



ANNUAL REPORT 2022-2023

**Manav Rachna International Institute
of Research and Studies**

(Deemed to be University under section 3 of the UGC Act, 1956)

NAAC Accredited 'A++' Grade University

“Manav Rachna”

Manav Rachna carries forward the mantle of excellence and professionalism with the philosophy of Manav Rachna.



“Vidyantariksha”

This is a conjunction of the words 'vidya' and 'antariksha'. “Vidya” means knowledge, information, the basis of creativity and innovation. It is the foundation of technology and envisages the future. “Antariksha” means 'the sky' , the space which we belong to or exist. It can be split into 'antar' and 'iksha' which means inner vision. Hence the combination, the core promise of Manav Rachna becomes “the reality of inner vision or root of knowledge”.

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Dr. Prashant Bhalla

President, MRIIRS

From the President's Desk

More than two decades ago, MRIIRS committed itself to respond to the imperative need for a robust professional education. Our ambition is to make sure the youth of today get the best education and best opportunities to meet both their personal and vocational goals. We established ourselves as a pioneer in the crusade, a path-breaking paradigm which we have continued to drive forward.

MRIIRS is a community where the best and brightest students learn from erudite faculty members and strategic partnerships. Our innovative curriculums and research opportunities are designed to solve today's most pressing problems. Through our undergraduate, graduate, postgraduate and doctoral programmes, we ensure our students receive a multidisciplinary and well-rounded education that prepares them to be the next generation of leaders.

We are aware of the needs of our country to make it a knowledge-based superpower in the next decade or two. With this in view, we have stepped in to cater to the futuristic academic ecosystem for the student community. Our endeavor is to create opportunities in various fields by subsuming the latest specialties of learning in our system, which would cater to the critical needs of the industry and economy. We foresee a close interaction amongst the universities, industries, business houses in modeling the content and skills. This will make education more and more vocational, skill based and relevant.

The situations across the globe in recent times have led educational institutions to overhaul their entire system to avoid any academic loss to the students. At Manav Rachna, we are highly concerned with the physical & mental well-being of all our students. Due to the unprecedented challenges created by the spread of Coronavirus, learning at Manav Rachna transitioned to a virtual platform to ensure that academics of our students don't lag behind. Our faculty members constantly make focused efforts to ensure that virtual learning happens seamlessly.

We are a University which lays paramount importance to research. We have endeavored to design courses which are in sync with the ever-growing demands of the industry and enable scholars to explore the frontiers of fields where new knowledge and understanding are being created and ignite a passion for being in the vanguard of discovery. Being at the forefront of discovery and taking part in creation of new knowledge is an immensely rewarding and life-affirming experience.

I welcome you to explore the never-ceasing vistas of amalgamated knowledge, walk the untrodden path of seizing opportunities hitherto never thought of and be the beacon for the generations to come.

Dr. Amit Bhalla

Vice President, MRIIRS



From the Vice-President's Desk

It gives me immense pleasure to present the Annual Report for the year 2022-23 with great deal of satisfaction and fulfillment. During the period under report, the University made significant progress on all fronts. Ours is a very young but very vibrant University. Manav Rachna is distinguished from others by its continued commitment to excellence and has been recognized as an institution that is involved in a high quality teaching and research in diverse fields. The University has been accredited by NAAC with grade 'A++' which places the University among the top ranked Universities in the country. The University has also received the NBA accreditation for its two engineering undergraduate programmes and MBA programme. Committed to academic reforms, the University is making proactive efforts to develop and implement innovative curricular frameworks and the Choice Based Credit System (CBCS) has been implemented in most of our academic programmes. The research programmes are equally innovative and qualitative. Conscious of its responsibility to create a culture of excellence, the University has been proactively promoting merit, objectivity and transparency in all its activities/processes that enthuses confidence amongst its stakeholders.

We have witnessed a greater focus on building research culture augmented by funding from various national and international funding agencies. While teaching is the primary focus and mainstay of the University, a conscious effort has been made to promote this culture of research, publication, innovation and participation in seminars, symposia, conferences etc by creating a conducive and enabling environment. It gives me immense pride to bring on record that the majority of the faculty members presented papers, delivered keynote addresses, chaired sessions, delivered lectures and talks, attended conferences and workshops and published papers in journals, many of repute.

Faculty - student team has led to another feather in the cap by establishing Start-up culture in the campus wherein several such initiatives are being incubated and few are commercialized. Our University is also committed to make the students' educational experience multifaceted and holistic. This commitment is very evident with world class sports facilities, holding sports meets, and encouraging and facilitating student participation in national and international level competitions.-

Always aim high and dream deep! All our dreams come true if we have the courage to pursue them. Here at MANAV RACHNA, it has been possible to enjoin academic vibrancy with moral values and social commitment and that is what we firmly believe in.



Prof. (Dr.) Sanjay Srivastava
Vice Chancellor, MRIIRS

From the Vice-Chancellor's Desk

It is my honor and privilege to present the Annual Progress Report of "Manav Rachna International Institute of Research & Studies" for the year 2022-23, before the Board of Management. I humbly acknowledge with great satisfaction and fulfillment, the contribution of all staff and faculty members of the university, who have shown an unparalleled devotion to their work, has resulted in the university growing considerably in scale and scope during the period under report.

MRIIRS is a multidisciplinary, research focused and student centric university working on a mission to develop and educate the path-shapers of tomorrow, who will go on to shoulder the challenges of globally responsible and ethical leadership. Above all else, it is the holistic development of our students into good human beings and responsible citizens of the nation that takes precedence. Such a vision requires altering education in a manner that grants a degree of freedom to the student – delivers a feeling that she/ he is the architect of the future. To catalyze this, the University is making proactive efforts to develop and implement an innovative curricular framework and the Choice Based Credit System (CBCS) has been implemented in our academic programmes.

After a remarkable beginning and a phenomenal growth in the past few years, the University can now showcase a truly multidisciplinary character, and in this setting, the academic programs have started flourishing on progressive inter disciplinarily and research-led learning. Its unique approach has the potential to positively influence the higher education landscape of our country in the next couple of decades. While teaching receives the primary focus, a conscious effort has been made to promote culture of research, publication, innovation and participation in seminars, symposia, conferences etc. by creating a conducive and enabling environment.

MRIIRS have always shown unparalleled commitment and competence to academics. It is a testimony to the commitment of all faculty and staff members to the profession and their spirit to ensure all the facets of the higher education universe are working like a well-oiled machine.

MRIIRS is fortunate to have on board several faculty members who come from the best Universities of India and across the globe. A majority of the faculty members have presented papers, delivered keynote addresses, chaired sessions, delivered lectures and talks, attended conferences and workshops and published papers in journals of repute. Our Founder Visionary, forever Hon'ble Dr. O.P. Bhalla, imagined Manav Rachna International Institute of Research & Studies as an investment in India's future – a contribution to the financial and human capital in the process of nation building. I must admit that it is our collective effort that is leading us in that direction.

I extend my heartiest gratitude to the students, faculty members, administrative staff, the trustees, and our management for setting MRIIRS on an accelerated path towards all round excellence Here's hoping that we together march towards a brighter horizon.

OFFICER(S) OF THE UNIVERSITY

CHANCELLOR

Dr. Prashant Bhalla

VICE CHANCELLOR

Prof. (Dr.) Sanjay Srivastava

PRO VICE CHANCELLOR

Prof. (Dr.) Naresh Grover

PRO VICE CHANCELLOR

Prof. (Dr.) Pardeep Kumar

PRO VICE CHANCELLOR

Prof. (Dr.) G.L. Khanna

REGISTRAR

Sh. R. K. Arora

DEAN ACADEMICS

Prof. (Dr.) Brijesh Kumar

ED & DEAN RESEARCH

Prof. (Dr.) Sarita Sachdeva

DEAN STUDENTS' WELFARE

Prof. (Dr.) Gurjeet Chawla

CONTROLLER OF EXAMINATIONS

Dr. N. K. Sharma

PROCTOR

Dr. Devendra Vashist

UNIVERSITY LIBRARIAN

Dr. Rajesh Kumar (University Librarian)

DEAN(S) OF FACULTIES

FACULTY OF ENGINEERING & TECHNOLOGY

Prof. (Dr.) Pardeep Kumar

FACULTY OF ALLIED SCIENCES

Prof. (Dr.) Moattar Raza Rizvi

FACULTY OF MANAGEMENT STUDIES

Prof. (Dr.) Rakesh Kumar Anand

FACULTY OF COMPUTER APPLICATIONS

Prof. (Dr.) Usha Batra

FACULTY OF MEDIA STUDIES & HUMANITIES

Prof. (Dr.) Maithili Ganjoo

FACULTY OF ARCHITECTURE & DESIGN

Prof. (Dr.) Pardeep Kumar

FACULTY OF HOTEL MANAGEMENT

Prof. (Dr.) Rakesh Kumar Anand

FACULTY OF COMMERCE

Prof. (Dr.) Monika Goel

FACULTY OF BEHAVIOURAL & SOCIAL SCIENCE

Prof. (Dr.) Naresh Grover

Prof. (Dr.) A K Sharan w.e.f 01.12.2022

FACULTY OF DENTAL SCIENCES

Prof. Dr. Arundeeep Singh upto 30-04-2023

Prof. Dr. Puneet Batra w.e.f 01-05-2023

CHAPTER-1

UNIVERSITY AT A GLANCE

With a mission to become a Centre of Excellence for Higher Education where aspiring students can be transformed into skilled and well-rounded professionals, Career Institute of Technology & Management (CITM) affiliated to Maharshi Dayanand University, a State University of Haryana was established in the year 1997. The College made rapid strides and was soon considered as a most preferred destination for students seeking admission to engineering and management programmes in the State of Haryana. It was conferred a status of Deemed University under Section 3 of UGC Act, 1956 by MHRD, GoI on the recommendations of the UGC, AICTE and Government of Haryana in the year 2008 in the name and style of Manav Rachna International University (MRIU). Vide MHRD Notification No. F.9-3/2007.U3 (A) dt. 11/01/2018 the name of Manav Rachna International University, Faridabad (Haryana) has been changed to Manav Rachna International Institute of Research and Studies (Deemed to be University). Ministry of Human Resource Development, Govt. of India vide Notification No. F.9-3/2007/U3 (A) Vol.2 dated 08-06-2018 further extended / regularized the deemed to be University status to Manav Rachna International Institute of Research and Studies, Faridabad, Haryana from 21.12.2013 onwards.

In pursuance to the Notification No. F-10/2016-U3 (A) dated May 13, 2019 issued by Ministry of Human Resources Development (MHRD), Department of Higher Education, ICR Division, Govt. of India, New Delhi vide which Manav Rachna Dental College (MRDC) has been included under the ambit of MRIIRS as a constituent Institution. MRIIRS has registered an all-round growth in academics, research and development, ISR, student support and progression, leadership and governance, environmental consciousness besides achievements in many other exemplary processes and procedures.

The University caters to all quality processes very ingeniously and as a result it has been accredited with 'A++' Grade during its 2nd cycle by National Assessment and Accreditation Council (NAAC) in February 2023 for 5 years from 20th February 2023.

The two engineering programmes namely B.Tech- Computer Science and Engineering and Biotechnology and one management programme MBA have been accredited by the National Board of Accreditation under Tier I. It has also been awarded the prestigious QS Stars rating, scoring five stars rating in six categories i.e. Teaching, Employability, Academic Development, Facilities, Social-responsibility and inclusiveness and with 4 stars in Programme Strength of Computer Science and Engineering Programme and rated MRIIRS with Overall 4 Star rating in year 2020. As per NIRF 2023 rankings, in Engineering category and University category, MRIIRS is placed in the Rank Band 101-150.

Manav Rachna International Institute of Research and Studies has been ranked at 258 by the QS Asia University Rankings 2024: Southern Asia based on the quality maintained in Academics, Faculty-Student Ratio, International Faculty Ratio, International Students Ratio, and International Research Network. This year MRIIRS has also established a position in QS International Trade Rankings (151-175 Band).



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

*The Executive Committee of the
National Assessment and Accreditation Council
is pleased to declare
Manav Rachna International
Institute of Research and Studies
(Deemed to be University u/s 3 of the UGC Act, 1956)
Sector-43, Faridabad, Haryana as
Accredited
with CGPA of 3.53 on four point scale
at A⁺⁺ grade
valid up to February 19, 2028*

Date : February 20, 2023



S. C. Anand

Director

The Times Higher Education (THE) Impact Rankings 2023, are global performance benchmarks that assess universities on their endeavors toward achieving the United Nations' Sustainable Development Goals (SDGs). These one-of-a-kind rankings evaluate the universities globally. MRIIRS has been ranked among the very top (35th) in India based on the initiatives in the direction of Sustainability:

- Ranked among the top 200 globally and 9th in India for clean water and sanitation (SDG-6)
- Ranked among the top 300 globally and 5th in India for the Sustainable Goal of Zero Hunger (SDG-2)
- Among the top 600 globally for Good Health & Well Being (SDG-3)- 11th in India and for Gender Equality (SDG-5) – 12th in India

As an educational institution that thrives with the motto "Sustainability drives Globality", our zealous pursuits towards sustainable actions are at the heart of all our initiatives.

Manav Rachna International Institute of Research and Studies Establishes a Symbiotic Milestone in

THE **IMPACT RANKINGS 2023**



1st
in Delhi-NCR/Haryana

9th
in India

 **SDG 6
CLEAN WATER
AND SANITATION**

**AMONGST
TOP 200 GLOBALLY**

**Ensure Access
to Water
and
Sanitation for
All and
Sustainable
Management
of Water**

**End Hunger,
Achieve
Food Security
and Improved
Nutrition and
Promote
Sustainable
Agriculture**



1st
in Delhi-NCR/Haryana

5th
in India

 **SDG 2
ZERO HUNGER**

**AMONGST
TOP 300 GLOBALLY**



Ensuring Healthy Lives and Promoting Well-being for All is Essential for Sustainable Development

Achieve Gender Equality and Empower All Women and Girls



The National Education Policy 2020 makes a call to action for all Indian universities to become digitally mature universities. Digital Maturity Framework survey was conducted by QS in collaboration with AWS and Intel during the month of March 2023 and MRIIRS has attained overall level (L3-Digitally Advanced) with Quality Assurance and Professional Development Parameters rated as level 4 with full scores. The UGC vide letter No. F.No. 22-1/2019(CPP-1/DU) dated 10th June 2020 has granted 12B Status to MRIIRS. A well-entrenched Internal Quality Assurance Cell has led to many quality-enhancing initiatives in the University. Energy Management System of MRIIRS is ISO 50001:2018 and Environmental Management System of MRIIRS is ISO 14001:2015 certified.

MRIIRS believes in touching and transforming every life through academically sound, intellectually inspiring and supportive environment which ushers innovative, academic and applied research within and cross-domain disciplines. It is committed to promote research and development activities by establishing a vibrant research ecosystem that encourages faculty members and students to dedicate themselves in pursuit of new knowledge, truth and innovation, to enhance teaching learning experience, serve the society and be good human being. In the onward research journey at MRIIRS, efforts have been undertaken to not only seed the culture of research but also to achieve substantial momentum in the research publications in Scopus and Web of Science apart from several in PubMed, UGC care with the University h-index as 35. The Manav Rachna NewGen IEDC funded by NSTEDB has contributed towards the creation of the Innovation ecosystem and has led to innovative start-ups, quality patents, and numerous recognitions won at various national and international platforms. Regular research/innovation related events are organized at MRIIRS for the students to showcase their relevant skills.

Dedicated Career Development Centre and Corporate Resource Centre provide well-designed training modules to enhance their soft-skills, communication-skills and their employability attributes through highly trained professionals. The University has an outstanding record of achievements of its students in sporting events across the country. Anti-ragging Committees, Grievances Redressal Mechanism, scholarships for meritorious, needy students and girl students are available. Vice-Chancellor is at the helm of affairs of every academic, administrative and financial function of the University and powers are delegated to Deans and Heads of Departments for an efficacious governance and management. Meetings of the Board of Management, Academic Council, BoS, DRC, BoF, IQAC, Finance Committee, Planning and Monitoring Board, Grievances Redressal Committee are regularly held for long-term and short-term planning, making mid-course corrections and a sustained growth of every process and procedure.

MRIIRS has always been in the forefront of rendering Institutional Social Responsibility for the welfare of society and commitments are discharged to the community with great alacrity. Regular participation in Institutional Social Responsibility (ISR) such as carrying out activities in the fields of Awareness and Prevention of Deadly Diseases, Swachha Bharat Abhiyaan, Oral Hygiene, Rehabilitation, Environment, Social Upliftment, Removal of illiteracy, Blood Donation, Awareness and Prevention of Child Labour, Anti Ragging and Social Harmony is customary with us.

Radio Manav Rachna 107.8 FM at MRIIRS campus is the first Community Radio station of Faridabad. This community Radio has been enabled to us by the Ministry of Information, Government of India. As a Community Radio station this strives to bring out the best programs for the community awareness, besides entertaining and educating the general public.

MRIIRS provides a whole slew of comfortable facilities like those of hostels, transportation, mess, medical attendance and so on to its students, faculty and staff alike.

We have a well-entrenched PhD programme in the University and all UGC guidelines 2016 on the subject are followed. Projects of our students are highly appreciated in different forums and have regularly won awards and recognition in various national and international competitions. The students and faculty members of MRIIRS are from almost all States and Union Territories. A sprawling campus on the outskirts of Delhi with well-equipped laboratories, classrooms equipped with smart devices, seminar halls, auditoriums, amphitheatres, campus-wide internet access along with liberal computer resources go a long way in providing a stimulating academic ambience. Dedicated Career Development Centre and Corporate Resource Centre provide well-designed training modules to enhance their soft-skills, communication-skills and their employability attributes through highly trained professionals. The University has an outstanding record of achievements of its students in sporting events across the country. Anti-ragging Committees, Grievances redressal Mechanism, scholarships for meritorious, needy students and girl students are available.

MRIIRS is offering UG, PG and PhD programmes in the broad areas of Engineering, Management, Physiotherapy, Foods & Nutrition, Dental, Media, Architecture, Business studies, Social Sciences, Computer Applications and other consanguine areas. In Academic Year 2022-23, 30 Undergraduate, 23 Post graduate programmes along with doctoral programme were offered under 10 teaching Faculties in the University. MRIIRS has forged knowledge partnerships with leading organizations like Electric One, Microsoft, IBM, Intel, Infineon, Mitsubishi, CISCO, UI Path, Honda Motors, Bombay Stock Exchange and others to add value to our programmes. Industry experts and academicians along with other stakeholders are requisitioned to provide inputs to identify the programme education objectives and design curriculum. An exhaustive and meticulous process is adopted to prepare the academic curriculum of different courses- strictly as per the guidelines of the UGC / AICTE / and other Regulatory Bodies. The continuous inputs from the industry, prospective employers and alumni have also given due considerations.

Knowledge and Skills to the students are disseminated through faculty members drawn from top-notch institutions in India, well-stocked state-of-the-art Library with a rich digital resource, well equipped labs and overall tranquil environment in the campus that makes learning a joyful experience. At MRIIRS, we believe that teaching-learning and evaluation form the bedrock of any educational programme. To lend cutting edge to our student centric pedagogical processes, interventions of ICT and contemporary educational technologies are part of our academic delivery. A large number of choice-based value-added courses are offered to the students with the purpose of expanding their frontiers of knowledge by these cross-domain movements.

Our students and faculty members have been engaged with a large number of MOOCs so as to enrich and broaden their knowledge-base. A Local Chapter of NPTEL-SWAYAM at MRIIRS has been recognized with a rating of 'A' based on the performance in NPTEL Online Certification courses. The emphasis is on imparting of quality education along with fostering a spirit of inquisitiveness among the students to open up new vistas of knowledge. Great store is set by practical training in the laboratories, industry attachments and project works.



Workshop on Sculpture Making



Workshop on Eco Bricks



Software Training on "REVIT Architecture and Structure"



Industrial Visit at 7th Smart Cities India Expo, Pragati Maidan, New Delhi



Students working on patients in clinics during posting in Dept of Periodontology



Software Training on "Trimble Tekla Structures"

Students participating in co-curricular activities

A large number of conferences, seminars, colloquiums, expert talks are organized to enable students to transcend far beyond the classroom teaching. The students and faculty from almost all States and Union Territories form part of student and faculty population in MRIIRS.

1.1 Vision, Mission & Objectives

Vision:

Manav Rachna International Institute of Research & Studies (Deemed to be University) is dedicated and committed to train and equip its students with the upgraded knowledge and skills, the chosen fields in the backdrop of Indian ethos and values to enable the students to face any global challenge with a view to transforming them into insightful, honorable and responsible citizens of this great country; and imbibe a work culture of theoretical and applied research leading to creation and dissemination of knowledge.

Mission:

To provide an environment in which teachers love to facilitate and students love to learn, consisting of infrastructure facilities at par with the best institutions in India and abroad. The aim is:

- To inculcate skills and impart knowledge to the ignited minds in the fields of science & technology and soft skills including leadership, team-building and communication.
- To create human beings with a golden heart, who work and dedicate themselves for the advancement of humanity.
- To undertake research and development activities in collaboration with the world of work leading to creation of new knowledge in the field(s) of Science, Commerce, Humanities, Engineering & Technology, Management, Health Sciences & Therapies, Sports, Multimedia, Applied & Performing Arts.

Quality Policy:

MRIIRS strives continuously to improve the quality of education, to nurture the talent of our students to enable them to embark upon a successful career. Our highly qualified team is dedicated to accomplish these objectives by imparting a proper blend of high conceptual and practical skills to the students. They are ably supported in their endeavour by excellent infrastructure, teaching methodology and commitment to Quality Management.

Main Objectives:

- To steer our young students towards a gateway of exciting professional careers through State-of-the-Art training and progressive development continuum.
- To impart knowledge, professional and human skills as well as to strengthen the character of its students and teachers so as to enable them for national development and social transformation.
- To provide conducive ambience culminating in development of a research culture in which both the students and teachers are encouraged to engage in Research and Development activities.

- To foster and nurture talent to promote “out of box” thinking to strike at innovative and radical solutions
- To provide amenities and support for its students and teachers to assimilate the latest technological advances within a dynamic environment
- To encourage its students and teachers to develop co-scholastic skills, proficiency in sports, excellence in arts and culture, and other intellectual pursuits for holistic development.
- To provide a multitude of platforms through conferences, symposia, seminars of the national/international levels to expose its students and teachers to the contemporary and futuristic trends of research.
- To encourage consultancy and extension to serve the society.
- To inculcate values of national pride, equality, inclusive growth, unity and justice.

1.2 Academic Programmes

There are ten teaching Faculties offering 53 programmes (30 UG and 23 PG) along with PhD programmes in the University. Well known experienced academicians and professionals are associated in preparing the academic curriculum of different programs strictly as per the guidelines of the UGC / AICTE and other Regulatory bodies. The emphasis is to impart quality education and to offer a congenial and liberal environment in the campus. The promotion of sports and extra-curricular activities is one of calculated strategies. Sport events are organized at a regular interregnum and students are encouraged to participate in such activities that not only enhance their co-curricular content and professional needs but also expand their horizons beyond the professions they are going to pursue. The co-curricular related activities, organized to explore what is the best in the students. “Creating better human beings’ is the motto of Manav Rachna International Institute of Research and Studies. While achieving academic excellence, at MRIIRS acquisition of knowledge skills is facilitated by organizing conferences, seminars, workshops and continuing education programs. Talent clubbed with hard work is a key element to success and the University has witnessed this with its proactive staff and students. Excellence being our mantra, all our effort and each of the endeavours are directed towards it.

The following academic programmes were offered in 2022-23:

Faculty of Engineering & Technology (FET)

B. Tech & B.Sc. Programmes

1. B.Tech Biotechnology (4yrs.)
2. B.Tech Civil Engineering (4yrs.)
3. B.Tech Computer Science & Engineering (4yrs.)
4. B.Tech Computer Science Engineering –Digital Forensics Cyber Security (4yrs.)
5. B.Tech Computer Science Engineering –Artificial Intelligence and Machine Learning (4yrs.)
6. B.Tech Electrical and Electronics Engineering (4yrs.)

7. B.Tech Electronics and Communication Engineering (4yrs.)
8. B.Tech Mechanical Engineering (4yrs.)
9. B.Sc. Microbiology (3 yrs.)

M. Tech & M.Sc. Programmes

1. M. Tech Biotechnology (2 yrs.)
2. M. Tech Mechanical Engineering (2 yrs.)
3. M. Tech Computer Engineering and Networking (2 yrs.)
4. M. Tech Automation and Robotics (2 yrs.)
5. M. Tech Civil Engineering (2 yrs.)
6. M. Sc. Biotechnology (2 yrs.)
7. M. Sc. Microbiology (2 yrs.)

Faculty of Allied Health Sciences (FAHS)

1. Bachelor of Physiotherapy (BPT) – [(4½ yrs.) with 6 months compulsory internship]
2. Master of Physiotherapy (MPT) (2 yrs.)
3. B.Sc. Nutrition & Dietetics (3 yrs.)
4. B.Sc (Hons) Food Science & Technology (3 yrs.)
5. M.Sc. Nutrition & Dietetics (2 yrs.)

Faculty of Management Studies (FMS)

1. Master of Business Administration (2 yrs.)
2. Bachelor of Business Administration (BBA) - General (3 yrs.)
3. Bachelor of Business Administration- International Business (Global) - (3 yrs.)
4. Bachelor of Business Administration -Banking & Financial Markets - (3 yrs.)
5. Bachelor of Business Administration –Digital Marketing - (3 yrs.)
6. Bachelor of Business Administration - Retail and Sales Management - (3 yrs.)

Faculty of Hotel Management (FHM)

1. B.Sc. – Hospitality and Hotel Administration (3 yrs.)
2. B.Sc. Culinary Arts (3 yrs.)

Faculty of Computer Applications (FCA)

1. Bachelor in Computer Applications (BCA) - (3 yrs.)
2. B.Sc. Information Technology - (3 yrs.)
3. Master of Computer Application (MCA) - (3 yrs.)

Faculty of Media Studies & Humanities (FMeH)

1. Bachelor of Arts – (Media and Communication) - (3 yrs.)
2. Master of Arts – (Media and Communication) - (2 yrs.)
3. Bachelor of Arts (Hons) – English - (3 yrs.)
4. Master of Arts English- (2yrs.)

Faculty of Architecture & Design (FAD)

1. B.Sc. Interior Design (3 yrs.)
2. Bachelor of Design (B. Design) - (4 yrs.)

Faculty of Commerce (FoC)

1. Bachelor of Commerce (B.Com) Hons - (3 yrs.)
2. Master of Commerce. (2 yrs.)

Faculty of Behavioural& Social Sciences (FBSS)

1. B. A (Hons.) - Applied Psychology (3 yrs.)
2. B. A (Hons.) - Economics (3 yrs.)
3. B. A - Liberal Arts (3 yrs.)
4. B. A - (Hons) Political Science (3 yrs.)
5. M. A - Applied Psychology (2 yrs.)
6. M. A - Economics (2 yrs.)
7. M. A – Public Policy and Administration (2 yrs.)

Faculty of Dental Sciences (FDS)

1. Bachelor of Dental Surgery (BDS) - (5 yrs.)
2. Master of Dental Surgery (MDS) - Prosthodontics and crown & Bridge (3 yrs.)
3. Master of Dental Surgery (MDS) - Orthodontics & Dentofacial Orthopedics (3 yrs.)
4. Master of Dental Surgery (MDS) - Conservative Dentistry & Endodontic (3 yrs.)
5. Master of Dental Surgery (MDS) - Paediatric and Preventive Dentistry (3 yrs.)
6. Master of Dental Surgery (MDS) – Periodontology (3 yrs.)

1.3 Knowledge Partners

MRIIRS has signed MoUs with leading corporates and institutions of the country and abroad to fortify the life skills of our students and to make them excel in their chosen professional careers. Our knowledge partners include the following:



Microsoft

Microsoft Corporation (MS) is an American multinational technology based company. It is involved in development, manufacturing, licenses, supports and sells computer software, consumer electronics, personal computers, and related services. Its best-la-town software products are the Microsoft Windows line of operating systems, the Microsoft Office suite, and the Internet & Edge web browsers. MRIIRS and Microsoft have joined hands to introduce a new programme B.Tech. in CSE (Hons) with specialization in Artificial Intelligence and Machine Learning, Cloud Computing which are designed to better equip students with the next generation of technologies like building intelligent machines, domain knowledge in cloud architecture and IoT environments, software and applications with a cutting-edge combination of machine learning, cloud computing, analytics & visualization technologies. As per the partnership, Microsoft will provide the university with knowledge, expertise and training resources on cutting edge technologies leveraging on its decades of expertise in the field of computing. MRIIRS students will be provided learning opportunities in real world work situations that will keep them abreast of the latest skills and knowledge of using Microsoft tools and resources. To adequately prepare themselves for the industry qualifying students will be given the chance to participate in the technical activities, competition, internship and placements. The company's long-standing commitment towards a better-informed generation of talented workforce will be the base of this collaboration.



INTEL Internet of Things (IoT) Manav Rachna International Institute of Research and Studies (MRIIRS) is collaborating with Intel® Corporation for launching a B.Tech Program in Electronics and Communication Engg. with specialization in Artificial Intelligence and Internet of Things. This Course provides an opportunity to the students to learn the insights to the most important technologies driving the modern world namely Artificial Intelligence and Internet of Things. Students will be given 360 degree exposure to various Intel Hardware and Software platforms that are used in Industry for AI and IoT development. The students will be able to learn about Intel Galileo, Intel Edison Boards along with other popular boards like Raspberry Pi and Arduino for designing IoT Systems.

Bombay Stock Exchange (BSE): In pursuit of bringing the best education to its students, MREI have initiated a tie-up with BSE Institute, the education & training wing of Bombay Stock Exchange which is the oldest and the largest (in terms of companies listed & fastest stock exchange in the world) to offer both short term and medium term courses in the Finance space which are both skill as well as employment oriented. This will give an opportunity to the students of Manav Rachna to gain from their invaluable wealth of knowledge and experience. BSE Institute has also plan to invest not only in classroom teaching but also in creating a lab with semi live data which will help students gain practical knowledge of the markets & online trading.

Infosys: Manav Rachna has been associated with Infosys since 2009 for training the students & faculty members under the purview of the Infosys Campus Connect Programme. Under this programme, Infosys certified faculty members conduct special modules for grooming and soft skills of graduates, as per the industry demand. Manav Rachna International University is offering a number of elective courses under the same flagship. Infosys has also sponsored faculty members for participation in international conferences.

Mitsubishi Electric India (MEI) - MEI set up an Advanced Automation (Factory Automation) Lab in the campus. Through this lab, the students will have an opportunity to work on advanced IQR setup which is used for Automation in the Industries. Consequently, they will have better employability prospects and hence better career prospects. Several workshops and FDPs on 'Advanced Modular PLC", Servomotors & VFD", Process Control & SCADA systems have been organized in collaboration with Mitsubishi Electric India. So far, more than 500 students & faculty members have benefited from these activities. Industrial training in Factory Automation Lab (Centre of Excellence established by Mitsubishi) is also being conducted for final year students to enhance their employability prospects. Our students actively participate in "Mitsubishi Electric Cup ", a national level project competition held by Mitsubishi every year. The students and faculty members of MRIIRS have access to webinars conducted by Mitsubishi Electric India.



SPEFL-SC, Sports, Physical Education, Fitness & Leisure Skills Council (SPEFL-SC), a skill development council for the Sports, Physical Education, Fitness & Leisure Sector, promoted by the Federation of Indian Chambers of Commerce & Industry (FICCI) and funded by the Government of India through National Skill Development Corporation (NSDC) enter into the agreement with FAS (MRIIRS) to offer skill development training programs for employment in Sports, Physical Education, Fitness & Leisure Industry Sector, for which both SPEFL-SC and MRIIRS shall deploy their core competencies. MRIIRS shall be Training Partner for conducting training programs, organizing the assessment & certification of Trainers and trainees from SPEFL-SC. The Sports Skill Council has declared MRIIRS as its stand-alone centre in view of the facilities available for training.



NHRD Network : MBA students participate in various inter-college competitions and faculty members attend various workshops conducted by NHRD. Executive committee members of NHRD visit the campus and interact with MBA students.



All India Management Association (AIMA) : MR Institutions are closely linked with AIMA and its Faridabad chapter (FMA). Faculty members attend various seminars, symposiums, conclaves and development programmes organized under the aegis of AIMA.



International Business Machine(IBM) : IBM has tied up with MRIIRS to jointly offer B.Tech-Computer Science & Engg. with specialization in Digital Forensics & Cyber Security to train the students on latest global technology and equip them with practical knowledge of working in the IT sector, where they can learn to implement their theoretical knowledge acquired through their program.



Honda Motorcycle and Scooter India Private Limited (HMSI) : The Department of Automobile Engineering, MRIIRS in association with Honda Motorcycle and Scooter India Private Limited (HMSI) has established a Centre for Automotive Training & Research. Here, HMSI will provide technology support to MRIIRS for setting up training and research infrastructure for MRIIRS students.

Ed Gate Technologies Pvt. Ltd. : University Programme Partner of Texas Instruments (TI), India has signed an MOU with MRIIRS for setting up a joint entitled " Texas Instruments Embedded System/Microcontrollers" at MRIIRS premises. EdGate Technologies Pvt. Ltd. provide equipment and training material to set up the lab based on IT platform and to provide initial training and learning material to begin the instructions. EDGate Technologies Pvt. Ltd., will help the university to organize training programmes/tutorials, workshops & faculty development programmes in its premises for faculty members of MRIIRS (formerly MRIU) & other Engineering Institutions to teach topics related to IT platform.



Electric One : Incepted with a single-minded objective, Electric Vehicle Center of Excellence (COE) in association with Electric one Mobility Pvt Limited is aimed to educate, engage and elevate students to be future-ready in a changed EV environment. This Certification and Curriculum based Experiential Program at the Centre will cater to the much-needed skills amongst students for the ever-growing futuristic segment of electric vehicles. It will provide tremendous professional and academic opportunities in the coming years. Most importantly, this Program will strengthen India's EV Vision.



Coding Ninja : Computer Science & Technology Department, MRU collaborated with Coding Ninjas to establish the Coding Ninjas' Center of Excellence for achieving organizational excellence in the field of Placement Preparation for Product-Based Companies. Center of Excellence is to increase awareness about the importance of Coding and Technical skills amongst the students. Students will get access to Videos, Notes, MCQ based and coding questions on LMS. Regular assessment will test the students' learning and 1-1 mentor support to clear their doubts and will also receive industry recognized certificates of completion and excellence after the completion of their course.



Inter Continental Hotels CROWNE PLAZA Group (Crowne Plaza Hotels): Manav Rachno IHG International Institute of Research and Studies and Inter Continental Hotels Group (Crowne Plaza Hotels) have entered into an Academic Partnership to provide opportunities to the Hotel & Hospitality Administration students to build their hospitality skills and improve their employability. The MoU will open up exciting avenues for the students of B.Sc HHA for acquiring rare skills and finesse from senior professionals in a truly International Chain, IHG. Also the hotel brand is sure to benefit from creation of a talent pool possessing skills of exacting standards of this thriving industry.



National Institute for Entrepreneurship and Small Business Development (NIESBUD) is a premier organization of the Ministry nicsbud of Skill Development and Entrepreneurship, engaged in training, consultancy, research, etc. in order to promote entrepreneurship. The Department of Management & Commerce, Manav Rachna University has undergone various events for its faculty members and students, under the major activities of the NISBUD which are Training of Trainers, Management Development Programmes, Entrepreneurship-cum-Skill Development Programmes& Entrepreneurship Development Programmes.



Asian Institute of asian Medical Sciences: Manav Rachna University has collaborated with Asian Institute of Medical Sciences to provide internship and job opportunities to students of BBA Healthcare Management. The arrangement shall help students to acquire hands-on learning and skills in quality control, patient service, marketing, Materials & Inventory control, Human Resource, IT, Finance, Front Office, pharmacy management etc of Hospitals. Students enrolled in this programme get practical exposure & real life learning in the hospital environment. Industry faculty experts provide support in review and upgradation of course curriculum and support in course delivery of specialization subjects. Students have access to course material, discussion forums, student projects, internship certification and support from industry mentors during internship. This collaboration results in students being industry ready which is the need of the hour, thereby adding value to students & the healthcare industry.



Globus: In a groundbreaking move, a Memorandum of Understanding (MoU) has been inked between Globus Eight and Manav Rachna International Institute of Research and Studies, signifying a profound alliance between the #corporateworld and academia. This collaboration is set to redefine the landscape of the Industry Academia PhD Program at Manav Rachna.

The primary objective of this MoU is to forge a platform for tackling real-world challenges, granting GlobusEightemployees exclusive access to Manav Rachna's prestigious PhD program. Through this synergy, the aim is to bridge the gap between industrial practices and academic research, nurturing a fertile ground for innovation and the exchange of knowledge.

It is a significant step towards a stronger partnership with the unified goal of advancing knowledge and addressing practical challenges. Both parties are motivated about the potential outcomes of this collaboration and look forward to fruitful joint endeavors in the future.



Manav Rachna International Institute of Research and Studies, Manav Rachna University (MRIIRS, MRU), & Ural State University of Economics (USUE) signed a memorandum of understanding to strengthen and expand the mutual contact between the two universities.

The institutions shall engage in faculty and student exchange programs, visiting student programs, administrative support programs, and collaborative research & discovery. This association will aid the universities' mission of enriching the teaching & learning processes at their campus.



Institute of Chartered Accountants of India (ICAI): MRIIRS has taken a significant step by signing a Memorandum of Understanding with the Institute of Chartered Accountants of India (ICAI). This collaboration aims to foster a dynamic partnership focused on sharing valuable knowledge in the DOMAINS of academic research and development programs for both students and faculty members. During the signing event, distinguished individuals from both institutions were in attendance, including CA. Vishal Doshi, CA. Dayaniwas Sharma, CA. Vandana D. Nagpal, Dr. Monika Goel, and Dr. Jayendra Verna. Through this association, there will be an accelerated exchange of journals, course materials, case studies, research publications, and other academic resources. Moreover, students will greatly benefit from practical exposure through workshops, seminars, and education and training programs. This partnership heralds a promising era of academic collaboration and innovation.



"I can do things you cannot, you can do things I cannot; together we can do great things." — Mother Teresa

To contribute towards Sustainable Development, Sustainability, Technology and Innovation Manav Rachna International Institute of Research and Studies signed a Memorandum of Understanding with TERI. Both the institutions will work together to implement joint research, collaborative projects, capacity building, training programs focusing on sustainable development and addressing various SDGs. The MoU also aims to create joint collaboration through fostering capacity building, training through faculty exchange, joint project and capacity building programme development at the national, regional and international level.



Indian Air Force: The memorandum of understanding between the Indian Air Force and Manav Rachna Educational Society is a new dawn of awakening for the quality of education and the need to prepare a generation, indicating the values and discipline.



The more the merrier is a phrase used to experience all the opportunities one unfolds and takes benefits. MRIIRS is a hub of opportunities that encapsulate the platform for growth and success. The Memorandum of Understanding signed by MRIIRS and National Institute of Food Technology Entrepreneurship and Management, Sonapat is an opportunity for dynamic understanding, wisdom and growth. It creates an impactful academic and research environment for the betterment of the students.



ICAR : The partnership that lives in the promotion of health and vision goes a long way as Manav Rachna International Institute of Research and Studies and ICAR - Indian Institute of Millets Research, Hyderabad signed a Memorandum of Understanding to promote millets through Research and Academic collaboration. The joint effort for a sustainable health environment in India can do wonders to our country in variety of disciplines.

HCLTech

HCL TECH: MRIIRS proudly inked a momentous Memorandum of Understanding (MoU) with HCL Technologies that sets forth a shared commitment to fostering excellence in education and research in the fields of #CyberSecurity and #DigitalForensics. As a part of the MoU, HCL will serve as a mentor for the newly established Centre of Excellence for Cyber Security. This collaboration aims to enrich undergraduate, postgraduate, and doctoral programs by introducing cutting-edge courses and regularly updating the curriculum to match industry standards. By offering students access to practical case studies and encouraging interactions with faculty and professionals in the domain, it envisions bridging the industry-academia gap. This partnership marks a pivotal milestone in the pursuit of academic excellence and industry relevance, promising boundless opportunities for aspiring Cyber Security students.



TPCRA World: One more step towards the acquisition of global knowledge! Manav Rachna Centre of Excellence for Cyber Security, MRIIRS, has signed a Memorandum of Understanding with India Blockchain Alliance, TPCRA World and Dragonchain, USA. The partnership will enhance with collaborators in global blockchain industry organization, Queensland Government, Blockchain Collective, and Local Australian companies to deliver the goals. This MoU will help develop and strengthen MRIIRS in Cyber Security and Blockchain. To kickstart, a launchpad program will be created under this initiative to impart free training on blockchain from IBA, TPCRA World, and Dragonchain, USA.

CHAPTER-2 AUTHORITIES OF THE UNIVERSITY

2.1 Board of Management

Ex-Officio Member

Dr. Sanjay Srivastava	Vice-Chancellor	Chairman
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Pro Vice Chancellor

Dr. Naresh Grover	Pro Vice Chancellor	Member
Dr. Pardeep Kumar	Pro Vice Chancellor	Member
Dr. G. L. Khanna	Pro Vice Chancellor	Member

Other Members:

Two Deans of Faculties:

Dr. Arundeeep Singh	Dean - FDS	Member
Dr. Maithili Ganjoo	Dean - FMeH	Member

Three eminent academicians nominated by the Chancellor:

Dr. N. C. Wadhwa, IQAS (Retd.)	DG - MREI	Member
Dr. Dayal.Singh.Kumar	Former Professor, PEC, Chandigarh and Director-CITM, Faridabad.	Member
Dr. Anita Choudhary	IAS (Retd)	Member

Two Faculty Members (from Professors, Associate Professors):

Dr. Suresh Kumar	Prof., Dept. of CSE, FET
Dr. Mahak Sharma	Associate Prof., Dept. of N&D, FAHS

Nominees of the Trust:

Dr. Amit Bhalla
Sh. Atul Kalra
Sh. Navdeep Chawla

CoE, MRIIRS (Permanent Invitee)

Sh. N. K. Sharma

Secretary:

Sh. R. K. Arora	Registrar, MRIIRS
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2.2 Academic Council

Ex-Officio Members:

Manav Rachna International Institute of Research and Studies (Deemed to be University), Faridabad

1. Dr. Sanjay Srivastava	Vice- Chancellor	Chairman
2. Dr. Naresh Grover	Pro Vice Chancellor	
3. Dr. Pardeep Kumar	Pro Vice Chancellor	
4. Dr. G. L. Khanna	Pro Vice Chancellor	

Dean(s) of Faculties:

5. Dr. Pardeep Kumar	Dean - FET and Dean FAD	Member
6. Dr. Moattar Raza Rizvi	Dean - FAHS	Member
7. Dr. Maithili Ganjoo	Dean - FMeH	Member
8. Dr. Monika Goel	Dean - FoC	Member
9. Lt Gen R.K.Anand	Dean - FMS and Dean FHM	Member
10. Dr. A. K. Sharan	Dean - FBSS	Member
11. Dr. Usha Batra	Dean - FCA	Member
12. Dr. Arundeeep Singh	Dean - FDS	Member

All Head of the Departments:

13. Dr. Devender Vashisht	HoD, Dept. of Aero and Auto, FET	Member
14. Dr. Sunita Bansal	HoD, Dept. of Civil, FET	Member
15. Dr. Charu Virmani	HoD, Dept. of CSE, FET	Member
16. Dr. Tapas Kumar	HoD, Dept. of CSE (SPL), FET	Member
17. Dr. Leena G	HoD, Dept. of EEE, FET	Member
18. Dr. Manoj Nayak	HoD, Dept. of ME, FET	Member
19. Dr. Manu Solanki	HoD, Dept. of Bio-Tech, FET	Member
20. Dr. Vijay Kumar	HoD, Dept. of Applied Sciences, FET	Member
21. Dr. Abhiruchi Passi	HoD, Dept. of ECE, FET	Member
22. Ms. Shruti Jain	HoD, Dept. of Arch & Design	Member
23. Dr. Nitesh Malhotra	HoD, Dept. of Physiotherapy, FAHS	Member
24. Dr. Divya Sanghi	HoD, Dept. of N&D, FAHS	Member
25. Dr. Deepti Dabas Hazarika	HoD, Dept. of Mgt. Studies, FMS	Member
26. Dr. Bhavesh Kumar	HoD, Dept. of Management Studies-UG, FMS	Member
27. Dr. Jayender Verma	HoD, Dept. of Commerce, FCBS	Member
28. Dr. Kiran Bala	HoD, Dept. of Media Studies, FMeH	Member
29. Dr. Shivani Vashisht	HoD, Dept. of English, FMeH	Member
30. Dr. Suhail	HoD, Dept. of Computer Application, FCA	Member
31. Dr. Priyanka Tiwari	HoD, Dept. of Psychology, FBSS	Member
32. Dr. Durairaj Kumarasamy	HoD, Dept. of Economics, FBSS	Member
33. Dr. Anandjit Goswami	HoD, Dept. of Social & Political Studies, FBSS	Member
34. Ms. Ritika Singh	HoD, Dept. of HM	Member

Ten Professors other than the Heads of the Departments:

35. Dr. Indu Kashyap	Dept. of CSE, FET	Member
36. Dr. Anindita Chatterjee	Dept. of Management Studies, FMS	Member
37. Dr. Anita Khosla	Dept. of EEE, FET	Member
38. Dr. Surbhi Kapoor	Dept. of Management Studies, FMS	Member
39. Dr. Pratibha Singh	Dept. of N & D, FAHS	Member
40. Dr. Parul Gandhi	Dept. of CA, FCA	Member
41. Dr. Abhilasha Shourie	Dept. of BT, FET	Member
42. Dr. Rashima Mahajan	Dept. of CSE, FET	Member
43. Dr. Basanta K Bhuyan	Dept of ME, FET	Member
44. Dr. Virender Narula	Dept of ME, FET	Member

Two Associate Professors from the Departments other than the Heads of the Departments (by rotation of seniority):

Two Associate Professors from the Departments:

45. Ms. Rachna Behl	Dept. of CSE, FET	Member
46. Col. (Retd) Sachin Marwah	Dept. of Automobile, FET	Member

Two Assistant Professors from the Departments (by rotation of seniority):

Two Assistant Professors from the Departments:

47. Dr. Shobhit Saxena	Dept. of Physiotherapy, FAHS	Member
48. Ms. Priyanka Rani	Dept. of CSE, FET	Member

Three persons amongst educationists of repute or persons from any other field related to the activities of the institution deemed to be University who are not in the service of the institution deemed to be University:

49. Dr. Prerna Gaur, Prof & founder ICE and EE, NSUT w.e.f 08.04.2022		Member
50. Dr. Reetesh Kumar Singh, Professor Dept of Commerce, Delhi School of Economics, University of Delhi		Member
51. Prof. Mewa Singh Turan, J-52FF, Jemma Block, EMERALD Hill, Gurugram		Member

Three persons who are not member of teaching Staff, co-opted by the Academic Council for their specialized knowledge:

52. Dr. A. Murli M. Rao, Head Computer Division, IGNOU, New Delhi		Member
53. Saranjeet Singh Bhasin, Prof. Jamia Millia Islamia, New Delhi		Member
54. Dr. Dayal Singh Kumar, Former Professor, PEC, Chandigarh and Director-CITM, Faridabad.		Member

Ex-Officio Secretary:

Secretary of the Academic Council:

55. Sh. R. K. Arora	Registrar, MRIIRS
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2.3 Planning and Monitoring Board

Ex-Officio Chairman:

Vice Chancellor:

Dr. Sanjay Srivastava	MRIIRS	Chairman
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Seven Internal Members:

Dr. Naresh Grover	Pro Vice Chancellor	Member
Dr. Pardeep Kumar	Pro Vice Chancellor	Member
Dr. G. L. Khanna	Pro Vice Chancellor	Member
Dr. Usha Batra	Dean - FCA	Member
Dr. Arundeeep Singh	Dean - FDS	Member
Dr. Maithili Ganjoo	Dean - FMeH	Member
Dr. Deepti Dabas Hazarika	Director - FMS	Member

Three External Members:

Three outside eminent experts:

Prof. Sandeep Grover	Prof & HOD, Mech. Engg. (YMCA, University of Science & Technology, Faridabad
Prof. K. Subramanian	IEEE Delhi Section (Past Chair) & Chairman NC. National Execom B-28 Tarang Appt, Plot No 19, IP Extn Patparganj, New Delhi
Mr. Vikram Mattoo	General Manager, Mitsubishi Electric India Pvt Ltd, Gurugram

Ex-Officio Secretary:

Secretary:

Sh. R. K. Arora	Registrar, MRIIRS
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2.4 Finance Committee

Ex-Officio:

Vice Chancellor:

Dr. Sanjay Srivastava	Vice Chancellor, MRIIRS	Chairman
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Pro Vice Chancellor:

Dr. Naresh Grover	Pro Vice Chancellor, MRIIRS	Member
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Dr. Pradeep Kumar	Pro Vice Chancellor, MRIIRS	Member
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Dr. G. L. Khanna	Pro Vice Chancellor, MRIIRS	Member
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Nominee(s) of the Society/Trust:

Mr. Atul Kalra		Member
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Two nominees of the Board of Management one of whom shall be a Member of Board:

Dr. Amit Bhalla		Member
Sh. Amit Kumar		Member

Ex-Officio Secretary:

Finance Officer Secretary:

Sh. Santosh Jha		Secretary
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CHAPTER-3

FACULTIES OF THE UNIVERSITY

3.1 Faculty of Engineering & Technology

Departments:

S. No.	Name of Department
1.	Department of Biotechnology
2.	Department of Civil Engineering
3.	Department of Computer Science Engineering
4.	Department of Electronics & Communications Engineering
5.	Department of Electrical & Electronics Engineering
6.	Department of Mechanical Engineering
7.	Department of Applied Science

Programme	Student Intake		Total Admissions	
	UG	PG	UG	PG
B.Tech-Biotechnology	30		28	
B.Tech-Civil Engineering	30		11	
B.Tech-Computer Science Engineering	240		252	
B.Tech-Computer Science Engineering–Digital Forensics Cyber Security	60		52	
B.Tech-Computer Science Engineering –Artificial Intelligence and Machine Learning	120		126	
B.Tech-Electronics & Communication Engineering	30		23	
B.Tech-Electrical & Electronics Engineering	30		04	
B.Tech-Mechanical Engineering	30		16	
M.Tech- Biotechnology		06		02
M.Tech- Civil Engineering		18		15
M.Tech-Computer Engineering and Networking		06		01
M.Tech-Electronics and Communication Engineering		06		00
M.Tech Automation & Robotics		06		03
M.Tech-Mechanical Engineering		06		02
B.Sc. Microbiology	30		21	
M.Sc. Microbiology		10		12
M.Sc.-Biotechnology		20		18

Faculty of Engineering and Technology (FET)

List of Faculty Members:

Name of the Full-time teacher	Designation	Department
Vishnu Raj	Assistant Professor	Aeronautical Engineering
Sachin Marwah	Associate Professor	Aeronautical Engineering
Devendra Vashist	Professor	Automobile Engineering
Gurpreet Singh	Associate Professor	Automobile Engineering
Nitin Waghmare	Assistant Professor	Automobile Engineering
Manu Solanki	Professor	Biotechnology
Kapila Kumar	Associate Professor	Biotechnology
Sarita Sachdeva	Professor	Biotechnology
Rashmi Rameshwari	Associate Professor	Biotechnology
Abhilasha Shourie	Professor	Biotechnology
Shobha Shrivastava	Associate Professor	Biotechnology
Nidhi Didwania	Professor	Biotechnology
Prachie Sharma	Assistant Professor	Biotechnology
Sabiha Imran	Professor	Biotechnology
Kanchan Bhardwaj	Associate Professor	Biotechnology
Krishna Priya Ganti	Associate Professor	Biotechnology
Preeti Nandal	Assistant Professor	Biotechnology
Jayant Maini	Assistant Professor	Biotechnology
Vineet Kumar Goswami	Assistant Professor	Biotechnology
Charu Rajpal	Assistant Professor	Biotechnology
Vandana Garg	Assistant Professor	Biotechnology

Somya Asthana	Assistant Professor	Biotechnology
Vineeta Sharma	Associate Professor	Biotechnology
Devendra Vashist	Professor	Automobile Engineering
Gurpreet Singh	Associate Professor	Automobile Engineering
Nitin Waghmare	Assistant Professor	Automobile Engineering
Manu Solanki	Professor	Biotechnology
Kapila Kumar	Associate Professor	Biotechnology
Sarita Sachdeva	Professor	Biotechnology
Rashmi Rameshwari	Associate Professor	Biotechnology
Abhilasha Shourie	Professor	Biotechnology
Shobha Shrivastava	Associate Professor	Biotechnology
Nidhi Didwania	Professor	Biotechnology
Prachie Sharma	Assistant Professor	Biotechnology
Sabiha Imran	Professor	Biotechnology
Kanchan Bhardwaj	Associate Professor	Biotechnology
Krishna Priya Ganti	Associate Professor	Biotechnology
Preeti Nandal	Assistant Professor	Biotechnology
Jayant Maini	Assistant Professor	Biotechnology
Vineet Kumar Goswami	Assistant Professor	Biotechnology
Charu Rajpal	Assistant Professor	Biotechnology
Vandana Garg	Assistant Professor	Biotechnology
Somya Asthana	Assistant Professor	Biotechnology
Vineeta Sharma	Associate Professor	Biotechnology
Prabir Kumar Paul	Professor	Biotechnology

Sadiqa Abbas	Professor	Civil Engineering
Anjali Gupta	Professor	Civil Engineering
Sonal Bhugra	Assistant Professor	Civil Engineering
Sunita Bansal	Professor	Civil Engineering
Arunangshu Mukherjee	Professor	Civil Engineering
Yaman Hooda	Assistant Professor	Civil Engineering
Haobam Derit Singh	Assistant Professor	Civil Engineering
Lilesh Gautam	Assistant Professor	Civil Engineering
Ashish Shukla	Assistant Professor	Civil Engineering
Sneha Rai	Assistant Professor	Civil Engineering / ESE
Dipankar Saha	Professor	Civil Engineering / ESE
Simple Sharma	Associate Professor	Computer Science & Engineering
Krishan Kumar	Associate Professor	Computer Science & Engineering
Srishty Jindal	Assistant Professor	Computer Science & Engineering
Poonam Katyal	Assistant Professor	Computer Science & Engineering
Shweta Sharma (CSE)	Assistant Professor	Computer Science & Engineering
Pronika Chawla	Assistant Professor	Computer Science & Engineering
Priyanka Grover	Assistant Professor	Computer Science & Engineering
Kritika Soni	Associate Professor	Computer Science & Engineering
Ranjeeta Mittal	Assistant Professor	Computer Science & Engineering
Meeta Singh	Associate Professor	Computer Science & Engineering
Neha Garg	Assistant Professor	Computer Science & Engineering
Tarvi Gupta	Assistant Professor	Computer Science & Engineering
Pradeep Sharma	Assistant Professor	Computer Science & Engineering

Shobha Tyagi	Assistant Professor	Computer Science & Engineering
Neha Batra / Gadhok	Assistant Professor	Computer Science & Engineering
Pinki Sagar	Assistant Professor	Computer Science & Engineering
Shefali Singhal	Assistant Professor	Computer Science & Engineering
Savita	Assistant Professor	Computer Science & Engineering
Charu Virmani	Professor	Computer Science & Engineering
Suresh Kumar	Professor	Computer Science & Engineering
Indu Kashyap	Professor	Computer Science & Engineering
Poonam Chahal/Nandal	Professor	Computer Science & Engineering
Rachna Behl	Associate Professor	Computer Science & Engineering
Deepa Bura	Professor	Computer Science & Engineering
Prashant dixit	Assistant Professor	Computer Science & Engineering
Supriya P. Panda	Professor	Computer Science & Engineering
Kamlesh Sharma	Professor	Computer Science & Engineering
Poonam Tanwar	Professor	Computer Science & Engineering
Rashima Mahajan	Professor	Computer Science & Engineering
Rosy Madaan	Associate Professor	Computer Science & Engineering
Nitasha Soni	Associate Professor	Computer Science & Engineering
Brijesh Kumar	Professor	Computer Science & Engineering
Manisha Vashisht	Assistant Professor	Computer Science & Engineering
Tapas Kumar	Professor	Computer Science & Engineering
Pallavi Goel	Associate Professor	Computer Science & Engineering
Ramesh Chandra Sahoo	Associate Professor	Computer Science & Engineering
Shweta Mongia	Associate Professor	Computer Science & Engineering

Anisha	Assistant Professor	Computer Science & Engineering
Arko Bagchi	Assistant Professor	Computer Science & Engineering
Meghna Luthra	Assistant Professor	Computer Science & Engineering
Sonali Batra	Assistant Professor	Computer Science & Engineering
Shobha Tyagi	Associate Professor	Computer Science & Engineering
Krishan Kumar	Associate Professor	Computer Science & Engineering
Ravindra Kumar Chahar	Associate Professor	Computer Science & Engineering
Mahboob Alam	Associate Professor	Computer Science & Engineering
Kaushal Kumar	Assistant Professor	Computer Science & Engineering
Tanu Dua	Assistant Professor	Computer Science & Engineering
Swati Hans	Assistant Professor	Computer Science & Engineering
Shivani Pahuja	Assistant Professor	Computer Science & Engineering
Siddheshwari Dutt Mishra	Assistant Professor	Computer Science & Engineering
Priyanka Rastogi	Assistant Professor	Computer Science & Engineering
Kirti Aggarwal	Assistant Professor	Computer Science & Engineering
Monika	Assistant Professor	Computer Science & Engineering
Romisha Arora	Assistant Professor	Computer Science & Engineering
Sunita Joshi	Assistant Professor	Computer Science & Engineering
Amarinder Kaur	Assistant Professor	Electrical and Electronics Engineering
Richa Adlakha	Assistant Professor	Electrical and Electronics Engineering
Leena G	Professor	Electrical and Electronics Engineering
Anita Khosla	Professor	Electrical and Electronics Engineering
Ashish Grover	Associate Professor	Electrical and Electronics Engineering
Neha Midha / Chaudhary	Assistant Professor	Electrical and Electronics Engineering

Amit Atri	Assistant Professor	Electrical and Electronics Engineering
Vimlesh Singh	Associate Professor	Electronics and Communication Engineering
Abhiruchi Passi	Professor	Electronics and Communication Engineering
Jyoti Verma	Assistant Professor	Electronics and Communication Engineering
Geeta Nijhawan	Professor	Electronics and Communication Engineering
Naresh Grover	Professor	Electronics and Communication Engineering
Umesh Dutta	Associate Professor	Electronics and Communication Engineering
Pratima Manhas	Associate Professor	Electronics and Communication Engineering
Purna Kakkar	Assistant Professor	Electronics and Communication Engineering
Yogendra Kumar Awasthi	Professor	Electronics and Communication Engineering
Anand Kumar Singh	Assistant Professor	Electronics and Communication Engineering
Sunny Bhatia	Assistant Professor	Mechanical Engineering
Prateek Mittal	Assistant Professor	Mechanical Engineering
Virender Narula	Professor	Mechanical Engineering
Basanta Kumar Bhuyan	Professor	Mechanical Engineering
Rajender Kumar	Assistant Professor	Mechanical Engineering
Pankaj Sakkarwal	Assistant Professor	Mechanical Engineering
Jimmy Mehta	Assistant Professor	Mechanical Engineering
Dinesh Chawla	Assistant Professor	Mechanical Engineering
Sushant	Assistant Professor	Mechanical Engineering
Vinay	Assistant Professor	Mechanical Engineering
Dain D. Thomas	Assistant Professor	Mechanical Engineering
Manoj Nayak	Professor	Mechanical Engineering
Seema Mahto	Assistant Professor	Mechanical Engineering

Anupama Rajput	Professor	First Year (ASH)- Chemistry
Jyoti Chawla	Professor	First Year (ASH)- Chemistry
Rajeev kumar	Assistant Professor	First Year (ASH)- Chemistry
Shagufta Jabin	Professor	First Year (ASH)- Chemistry
Sarvesh Kumar	Associate Professor	First Year (ASH)- Physics
Kapil Gupta	Assistant Professor	First Year (ASH)- Physics
Sandeep Srivastava	Assistant Professor	First Year (ASH)- Physics
Pardeep Kumar	Professor	First Year (ASH)- Physics
Deepak Kumar	Professor	First Year (ASH)- Maths
Vijay Kumar	Professor	First Year (ASH)- Maths
Arti Saxena	Assistant Professor	First Year (ASH)- Maths
Pooja Khurana/Sachdeva	Associate Professor	First Year (ASH)- Maths
Usha	Assistant Professor	First Year (ASH)- Maths
Neeraj Kumari	Professor	First Year (ASH)- H&M
Mithun Khanduja	Assistant Professor	First Year (ASH)- H&M
Nitin Jain	Assistant Professor	First Year (ASH)- H&M



DEPARTMENT(S) AT A GLANCE

1. DEPARTMENT OF AERONAUTICAL ENGINEERING

i) Thrust Areas of the Department:

- Computational Fluid Dynamics (CFD)
- Experimental Aerodynamics
- Structural dynamics, vibration and control
- Dynamics, control and guidance of atmospheric flights vehicles and spacecraft
- Flight Testing

ii) Academic Achievements:

a. Student's Publications: 2022-23

Title of the Paper	Name of the author (s)	Student Author	Title of the Journal / Conference / Book
A literature review on composite materials and its optimization in aerospace	Prema Thapa	Prema Thapa	International Journal of Scientific and Engineering Research
Stealth Technology and India - A Review	Vishnu Raj, Ankita Kumari, Tanay VN	Ankita Kumari, Tanay V N	International Journal of Engineering Applied Science and Technology
Air Quality Measurement in Rural and Industrial Zones	Vishnu Raj, Kamal Tosniwal, Kursange Pratham	Kamal Tosniwal, Kursange Pratham	International Journal of Engineering Applied Science and Technology

b. Student progression to higher education during the year: 2022-23

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Anish Yadav	B.Tech. - Aeronautical Engineering	Defense Institute of Advanced Technology, Pune	M.Tech
Rishabh Arora	B.Tech. - Aeronautical Engineering	Griffith University	Master of Science Professional Engineering
Vaibhav Sharma	B.Tech. - Aeronautical Engineering	IIT Dharwad	M. Tech Mechanical Materials and Aerospace Engineering
Vani Sadadiwala Bhaveshkumar	B.Tech. - Aeronautical Engineering	Manchester University	MSC. Aerospace Engineering

c. Students benefited by career counseling and guidance for competitive examinations: 2022-23

Activity Description	No. of Participants
Career advancement session on How to obtain DGCA approved RPTO License	2
Industrial Applications of Drone Technology	39

d. FDPs attended by faculty members: 2022-23

Name of the Faculty member	Title of FDP / Workshop / Conference Attended	Duration	
		Date from	Date to
Vishnu Raj	NPTEL Online Certification Course on Design of Fixed Wing Unmanned Aerial Vehicle	25-07-2022	16-09-2022
Vishnu Raj	NPTEL Online Certification Course on Introduction to Experiments in Flight	23-01-2023	17-02-2023
Vishnu Raj	Online Course on Introduction to Practical Design Engineering	07-03-2023	13-03-2023

e. Faculty Research Papers: 2022-23

Title of paper	Name of Author	Title of Journal	Year of Publication
Investigation of Mechanical and Tribological Properties of AA6061/MWCNT/B4C Hybrid Metal Matrix Composite	Vishnu Raj	Advances in Material Science and Engineering	2022-23

f. Faculty members: Awards & Recognitions: 2022-23

Name of Faculty Member	Awards/Recognition
Vishnu Raj	Certificate of Award -Elite Certification for Online SWAYAM-NPTEL Certificate Course: Design of Fixed Wing Unmanned Aerial Vehicle (25-07-2022-16-09-2022)
Vishnu Raj	Certificate of Award- Elite + Silver Medal for Online Swayam-NPTEL Certificate Course: Introduction to Experiments in Flight" (23.01.2023 to 17-02-2023)
Vishnu Raj	Recognition for Publishing Patent: Energy Efficient and Green Building Sustainability Using Photo Voltaic Panel for Electricity Generation and Distribution (17-02-2023)

2. DEPARTMENT OF AUTOMOBILE ENGINEERING

i) Thrust Areas of the Department:

- **Biofuels** (Jatropha and Castor biodiesel) & Alcohol based fuel (Methanol)
 - Performance and exhaust analysis of biofuel blends with diesel / gasoline.
 - Alternate energy sources for vehicles.
- **Automotive technologies**
 - DPF & SCR Technologies for implementing BS VI norms.
 - Active and passive safety technologies
 - Emission Measuring Techniques
- **Automotive Materials**
 - Composites for automobile parts
- **Mobility Design**
 - Ergonomics in Automotive Design
 - Computer Aided Design (for Auto parts)
- **Electric and Hybrid Vehicles**

ii) Academic Achievements:

a. Student's Publications: 2022-23

Title of paper	Name of all the author(s)	Student Authors	Journal/Conference/Book Title
Techniques Of Battery Selection for Usage in Electric Vehicles	Devendra Vashist, Anshul Tyagi, Diwaker Bhandari, Ankit Mittal	Anshul Tyagi, Diwaker Bhandari, Ankit Mittal	International Journal of Creative Research Thoughts. (IJCRT),
The Design and Development of Advanced Braking System with Microcontroller	Gurpreet Singh Matharou, Chirag Gupta, Vansh Pradhan, Tushar Ahlawat	Chirag Gupta, Vansh Pradhan, Tushar Ahlawat	ECS Transactions IOP Science
Design and Manufacturing of Automated Guided E-Cart for Stock Relocation	Nitin Kumar Waghmare, Gurpreet Singh Matharou, Saksham Bhatia, Dheeraj Kashyap, Anmol Singh	Saksham Bhatia, Dheeraj Kashyap, Anmol Singh	IEEE xplore INSPEC Accession Number: 22008088
Prototype of Operating a Vehicle Using Arduino Micro-Controller with Wireless Communication System	Gurpreet Singh Matharou, Nitin Kumar Waghmare, Prakash Tiwari, Bharat Sharma, Anuj Shrivastava	Prakash Tiwari, Bharat Sharma, Anuj Shrivastava	IEEE xplore INSPEC Accession Number: 22008125

b. Students benefited by career counseling and guidance for competitive examinations: 2022-23

Activity Description	No. of Participants
India E-Mobility show	31
Skill-based training on Electric Vehicles	13
Expert lecture on Electric Vehicle Technology, Policy, and Business case with Indian Perspective	38

c. Student progression to higher education during the year: 2022-23

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Abdullah Naim	B.Tech. Automobile Engineering	University Of Leeds, UK	M.Sc. (Engg.) Automotive Engineering

d. FDPs/Workshops/Conferences Attended: 2022-23

Name of the Faculty member	Title of FDP/Workshop/Conference Attended	Date from	Date to
Gurpreet Singh Matharou	Online Certification Course on Automation in Production System and Management	01-07-2022	01-10-2022
Gurpreet Singh Matharou	Online Certification Course on Innovation, Business Models and Entrepreneurship	01-08-2022	01-10-2022
Gurpreet Singh Matharou	Online Certification Course on Inspection and Quality Control in Manufacturing	01-01-2023	01-02-2023
Gurpreet Singh Matharou	Online Certification Course on Fundamentals of Automotive Systems	01-01-2023	01-04-2023
Nitin Kumar Waghmare	Online Certification Course on Electric Vehicle Part-1	12-01-2023	19-02-2023
Devendra Vashist	NPTEL FDP on Design Technology and Innovation	23-01-2023	17-03-2023

e. Events Organized: 2022-23

Title	From Date	To Date
Train the Trainer Programme on Electric Vehicle Technology for Skills Next Programme Level-I	04-07-2022	06-07-2022

f. Faculty Research Papers: 2022-23

Title of paper	Name of the author (s)	Name of journal	Year of publication
Particulate Matter Separator Analysis for Compression Ignition Engines Adhering Bharat Stage VI Norms	Devendra Vashist	ARAI Journal of Mobility Technology	2022-23
An Analysis of Automotive Industry Standards for Electric Power Train Vehicles	Devendra Vashist	SAE Technical Paper 2022-28-0394, 2022	2022-23
Development of a Novel Spiral Duct Particulate Matter Separator for Internal Combustion Engines	Devendra Vashist	International Journal of Automotive and Mechanical Engineering	2022-23
Techniques Of Battery Selection for Usage In Electric Vehicles	Devendra Vashist	International Journal of Creative Research Thoughts. (IJCRT),	2022-23
A Review of Artificial Intelligence role in Electric Vehicle Performance Enhancement for Improved Customer Acceptability in Indian Context	Devendra Vashist	International Journal of Electric and Hybrid Vehicles	2022-23

g. Books Chapters: 2022-23

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference
Gurpreet Singh Matharou	NA	The Design and Development of Advanced Braking System with Microcontroller	Proceedings of International Conference on Technologies for Smart Green Connected Societies 2021I
Gurpreet Singh Matharou	CHAPTER: Innovation Management in Present Indian Scenario in BOOK titled Multidimensional Aspects of Management	NA	NA
Nitin Kumar Waghmare Gurpreet Singh Matharou	NA	Design and Manufacturing of Automated Guided E-Cart for Stock Relocation	Proceedings of International Conference on Simulation, Automation & Smart Manufacturing

Gurpreet Singh Matharou Nitin Kumar Waghmare	NA	Prototype of Operating a Vehicle Using Arduino Microcontroller with Wireless Communication System	Proceedings of International Conference on Simulation, Automation & Smart Manufacturing
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h. Faculty members: Awards & Recognitions: 2022-23

Name of Faculty Member	Awards/Recognition
Devendra Vashist	Campus Coordinator for the electric vehicle design workshop- Enabling the Eco System for E-mobility (03-02-2023)
Devendra Vashist	Expert Talk in the Conclave on Organization of the Petroleum Exporting Countries (OPEC) & Electric Vehicle (20-12-2023)
Devendra Vashist	Certificate of Award -Elite Certification for Online SWAYAM-NPTEL Certificate Course: Design Technology and Innovation (28-04-2023)
Devendra Vashist	Invited Talk at International Online Conference on Reuse, Recycling, Upcycling, Sustainable Waste Management and Circular Economy (ICRSC-2022, 10-09-2022)
Nitin Kumar Waghmare	Certificate of Award- Elite for Online Swayam-NPTEL. Certificate Course: "Electric Vehicle part 1" (23-01-2023 to 17-02-2023)
Gurpreet Singh Matharou	Recognition for Publishing Patent Design on Wind and Solar Power Charging Station (19-03-2023)
Gurpreet Singh Matharou	Recognition for Publishing Patent: Energy Efficient and Green Building Sustainability Using Photo Voltaic Panel for Electricity Generation and Distribution (17-02-2023)
Gurpreet Singh Matharou	Top Performing Mentor (Appreciation Certificate) from IIT-Madras for course Rapid Manufacturing (25-07-2022 to 14-10-2022)
Gurpreet Singh Matharou	Inspection and Quality Control in Manufacturing (23-01-2023 to 17-02-2023)
Gurpreet Singh Matharou	Automation in Production System and Management (25-07-2022 to 14-10-2022)
Gurpreet Singh Matharou	Innovation, Business Models and Entrepreneurship (23-01-2023 to 17-02-2023)
Gurpreet Singh Matharou	Fundamentals of Automotive Systems (23-01-2023 to 14-04-2023)

3. DEPARTMENT OF BIOTECHNOLOGY

i) Thrust Areas of the Department:

- Drug Discovery Development
- Bioinformatics
- Agricultural Biotechnology
- Industrial Biotechnology
- Plant Biotechnology
- Microbial technology

ii) Academic Achievements

a. Student progression to higher education during the year: 2022-23

Name of student(s) enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Abhilansh Pandey	B. Tech Biotechnology Engineering	Georgia Tech Emory University	Master's in Biomedical Engineering
Alokrit Tanwar	B. Tech Biotechnology Engineering	University Of Glasgow	M.Sc. in Biomedical Sciences
Ananya Verma	B. Tech Biotechnology Engineering	IMM Business School, N. Delhi	Post Graduate Diploma in Management
Bhavishya Verma	B. Tech Biotechnology Engineering	Manav Rachna International Institute of Research & Studies, Faridabad	M. Tech Biotech
Kartik Jatwani	B. Tech Biotechnology Engineering	Technical University Dresden	Master of Science
Sahil Nehra	B. Tech Biotechnology Engineering	Humber College Institute of Technology and Advanced Learning, Toronto	Research analyst
Simran Jeet Kaur	B. Tech Biotechnology Engineering	University Of Wurzburg	Translational Neuroscience Master of Science
V. Rudra	B. Tech Biotechnology Engineering	University of Manchester	M. Sc Biotechnology & Enterprise

b. Students benefited by career counseling and guidance for competitive examinations: 2022-23

Activity Description	No. of Participants
Expert talk Career opportunities in Patents & Copyright Industry	58
Entrepreneurship opportunities in Biotechnology	64
Guest Lecture on Genomics in Research & Diagnostic: A Career Perspective	62
Career prospects at Monash University Australia.	31
Elucidating the role of SIN-3 mediated ROS in the regulation of autophagy, longevity, and health span in <i>Caenorhabditis elegans</i>	77
Fascinating facets of Agricultural Sciences	74
Journey of a Fly who became the Queen of Genetics	48
Path to Healthy Aging- Clues from <i>C.elegans</i>	56
Guest Lecture on Inherited non-coding RNAs in Zebrafish development	48
Development of vaccines for cancer and infectious diseases: Role of immunostimulatory molecules as adjuvants	55
Data science and artificial intelligence approaches to study biological systems	73
Plant Vaccines for Mankind	74

c. FDPs attended by Faculty Members:2022-23

Name of the Faculty member	Title of FDP/Workshop/Conference Attended	Date from	Date to
Manu Solanki	NPTTEL Course on Genetic Engineering: Theory and Applications	01-07-2022	01-10-2022
Manu Solanki	FDP on Organic Farming and Organic Food Marketing	25-07-2022	29-07-2022
Manu Solanki	FDP on Online Learning and Evaluation	20-03-2023	24-03-2023
Nidhi Didwania	FDP on Project Based Learning: International Perspective	04-07-2022	09-07-2022
Nidhi Didwania	FDP on Organic Farming and Organic Food Marketing	25-07-2022	29-07-2022
Nidhi Didwania	NPTTEL Course Certification on Environmental Biotechnology	01-07-2022	01-10-2022

Nidhi Didwania	NPTEL Course Certification on Nanotechnology in Agriculture-Silver Medal	01-01-2023	01-03-2023
Nidhi Didwania	FDP on Online Learning and Evaluation	20-03-2023	24-03-2023
Abhilasha Shourie	FDP on Organic Farming and Organic Food Marketing	25-07-2022	29-07-2022
Abhilasha Shourie	FDP on Effective Curriculum Implementation	12-12-2022	16-12-2022
Abhilasha Shourie	FDP on Online Learning and Evaluation	20-03-2023	24-03-2023
Jayant Maini	FDP on Project Based Learning: International Perspective	04-07-2022	09-07-2022
Jayant Maini	FDP on Introduction to Dynamical Models in Biology	30-08-2022	30-09-2022
Jayant Maini	FDP on Functional Genomics	01-08-2022	01-09-2022
Jayant Maini	FDP on Organic Farming and Organic Food Marketing	25-07-2022	29-07-2022
Jayant Maini	FDP on Online Learning and Evaluation	20-03-2023	24-03-2023
Kanchan Bhardwaj	FDP on Online Learning and Evaluation	20-03-2023	24-03-2023
Kanchan Bhardwaj	FDP on Functional Genomics	01-08-2022	01-09-2022
Sabiha Imran	NPTEL Course Certification on Cell culture Technologies	01-08-2022	30-09-2022
Sabiha Imran	FDP on Organic Farming and Organic Food Marketing	25-07-2022	29-07-2022
Sabiha Imran	NPTEL Course Certification on Introduction to Professional Scientific communication	01-01-2023	01-02-2023
Sabiha Imran	FDP on Online Learning and Evaluation	20-03-2023	24-03-2023
Krishna Priya Ganti	FDP on Online Learning and Evaluation	20-03-2023	24-03-2023
Krishna Priya Ganti	FDP on Organic Farming and Organic Food Marketing	25-07-2022	29-07-2022
Preeti Nandal	FDP on Online Learning and Evaluation	20-03-2023	24-03-2023
Preeti Nandal	FDP on Organic Farming and Organic Food Marketing	25-07-2022	29-07-2022

Preeti Nandal	Introduction to Professional Scientific communication	01-01-2023	01-02-2023
Preeti Nandal	NPTEL Course Certification on Human Molecular Genetics	01-01-2023	01-02-2023
Vineeta Sharma	FDP on Recent Progress in Biomaterials and their applications	10-10-2022	14-10-2022
Vineeta Sharma	NPTEL Course Certification on Human Molecular Genetics	01-01-2023	01-02-2023
Vineeta Sharma	FDP on Online Learning and Evaluation	20-03-2023	24-03-2023
Kapila Kumar	FDP on Online Learning and Evaluation	20-03-2023	24-03-2023
Kapila Kumar	FPD on Genomes to pathways	03-12-2022	21-12-2022
Kapila Kumar	FDP on Organic Farming and Organic Food Marketing	25-07-2022	29-07-2022
Vandana Nandal	FDP on Organic Farming and Organic Food Marketing	25-07-2022	29-07-2022
Vandana Nandal	NPTEL Course Certification on Introduction to Professional Scientific communication	01-01-2023	01-02-2023
Vandana Nandal	NPTEL Course Certification on Human Molecular Genetics	01-01-2023	01-02-2023
Vandana Nandal	FDP on Online Learning and Evaluation	20-03-2023	24-03-2023
Vandana Nandal	4 Indo - Bhutan Friendship Summit - 2023 at Institute of Management Studies, Thimphu, Bhutan.	21-06-2023	26-06-2023
Vineet Goswami	FDP on Online Learning and Evaluation	20-03-2023	24-03-2023
Prachie	FDP on Online Learning and Evaluation	20-03-2023	24-03-2023
Somya	FDP on Online Learning and Evaluation	20-03-2023	24-03-2023
Charu Rajpal	FDP on Online Learning and Evaluation	20-03-2023	24-03-2023
Charu Rajpal	4th International Conference on Advances in Biological Research and Environmental Sustainability	17-06-2023	21-06-2023
Rashmi Rameshwari	NPTEL Course Certification on Introduction to Research (Elite)	01-02-2023	01-04-2023

Rashmi Rameshwari	NPTTEL Course Certification on Learning English in Hindi (Silver)	01-02-2023	01-04-2023
Rashmi Rameshwari	FDP on Organic Farming and Organic Food Marketing	25-07-2022	29-07-2022
Rashmi Rameshwari	FDP on Computational Biology	13-07-2022	22-07-2022

d. Event Organized: 2022-23

Title	From	To
FDP on Organic Farming and Organic Food Marketing	25-07-2022	29-07-2022
Conference on Emerging technologies and enabling tools for Eco-friendly management of diseases of medicinal & aromatic plants	29-09-2022	30-09-2022
Workshop on NABL/NABH Guidelines and Processes	17-11-2022	17-11-2022
FDP on Online Learning and Evaluation	20-03-2023	24-03-2023

e. Faculty Research Papers: 2022-23

Title of paper	Name of the author/s	Name of journal	Year of publication
Integration of Microalgae-Based Wastewater Bioremediation-Biorefinery Process to Promote Circular Bioeconomy and Sustainability - A Review	Abhilasha Shourie	CLEAN - Soil, Air, Water	2022-23
Effect of Cadmium and Lead Stress on Seed Germination and Seedling Growth of <i>Jatropha curcas</i> L.	Abhilasha Shourie	Biosci Biotech Res Asia,	2022-23
Insights into the human gut virome by sampling a population from the Indian subcontinent	Kanchan Bhardwaj	Journal of general virology	2022-23
In silico mutational analysis to identify the role and pathogenicity of BCL-w missense Variants	Rashmi Rameshwari	Journal of Genetic Engineering and Biotechnology	2022-23
Microbial consortium: an eco-friendly approach against <i>Alternaria brassicas</i> in Indian mustard	Nidhi Didwania	Indian Phytopathology	2022-23
Pharmacological Potential of Polyherbal Formulation <i>Kabasura Kudineer</i> : A Review	Rashmi Rameshwari	Rasayan J. Chem.	2022-23

Potential Rational Methods for Improving Thermostability of Choline Oxidase	Rashmi Rameshwari	Journal For Basic Sciences	2022-23
Determination of endogenous concentration of Sodium potassium Cadmium Lead and Cadaverine correlating with physio-chemical parameters in Lycopersicon esculentum under multiple stress condition	Charu Rajpal	European Chemical Bulletin	2022-23
Prenatal arsenic exposure induces immunometabolism alteration and renal injury in rats.	Vineeta Sharma	Frontiers of Medicine	2022-23

f. Books Chapters: 2022-23

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference
Alifia Ibkar, Arunangshu Mukherjee, Nidhi Didwania & Sneha Rai	Impact of Urbanization on Hydrological Systems in India	Impact of Urbanization on Groundwater in Changing Climatic Scenario: A Case Study	International
Komal Arora, Deepak Kumar, Pooja Khurana	A Computational Model Approach for a Lifestyle Disorder: Hypertension	Smart Healthcare for Sustainable Urban Development	National
Devena Kumar Verma, Rashmi Rameshwari, Santosh Kumar	Nanomaterial as Nano-Pesticides	NA	NA

g. Faculty members: Awards & Recognitions:2022-23

Name of Faculty Member	Awards/Recognition
Nidhi Didwania	Women's Indian Chamber of Commerce and Industry: City President, (Water Resource Council) Faridabad (23-01-2023)
Nidhi Didwania	Chairperson in the Technical Session IV-DNA barcoding of medicinal plants (02-02-2023 to 04-02-2023)
Nidhi Didwania	Chairperson in Scientific session 1: Harnessing the power of plants and nature of humanity (04-01-2023)
Nidhi Didwania	NPTEL-AICTE Faculty Development Programme on "Environmental Biotechnology" + Elite, Topper (1%) (July to October 2022)

Nidhi Didwania	NPTEL-AICTE Faculty Development Programme on "Nanotechnology in Agriculture" + Elite, Topper (1%) (January to March 2023)
Kapila kumar	Recognition as Advisory Board Member- Biotic Chronicles, A USA Based knowledge sharing online Platform (21-07-2023)
Kapila kumar	Appreciation and Recognition as Consultant for a project by Good Tree International Inc., USA (30-04-2023)
Kapila kumar	Invited talk on Process of Innovation Development (27-02-2023)
Rashmi Rameshwari	External Practical examiner for M.Sc. Biochemistry Sem II(29-05-2023)
Rashmi Rameshwari	NPTEL-AICTE Faculty Development Programme on "Learn English in Hindi" + Elite (February to April 2023)

4. DEPARTMENT OF CIVIL ENGINEERING

i) Thrust Areas of the Department:

- Environmental Engineering
- Construction Management
- Structural Engineering
- Transportation Engineering
- Geotechnical Engineering
- Air Quality Monitoring

ii) Academic Achievements

a. Student's Publications: 2022-23

Title of paper	Name of all the author/s	Student Authors	Journal/Conference/ Book Title
Effect of High-Rise buildings on urban land use in Kabul	Hamidullah Azimi; Sunita Bansal; Tanmay Gupta	Hamidullah Azimi	High Technology Letters
Delay Assessment in Construction Projects using Six Sigma in Indian Context	Tanmay Swamy; Yaman Hooda	Tanmay Swamy	NICMAR Journal of Construction Management
Utilization of plastic waste in construction industry in India – A review	Sunita Bansal;Shubham Kushwah; Archit Garg;Karan Sharma	Archit Garg;Karan Sharma	Materials Today: Proceedings
Seismic Parametric Analysis of RC Multi-Storied Buildings with and Without Fluid Viscous Dampers	Danish Hussain, Sunita Bansal, Ashish Shukla and Vinod Kumar Kushwah	Danish Hussain	IOP Conference Series

Utilization of Incineration Ash as a Construction Material: A Review	Ashutosh Kumar; Sadiqa Abbas; Sonal Bhugra	Ashutosh Kumar	Materials Today: Proceedings
Parametric Evaluation of Mechanical and Durability Properties of Graphene Concrete in Indian Context	Aditya Pratap Singh, Gaurav Chhokar, Yaman Hooda	Aditya Pratap Singh, Gaurav Chhokar	Lecture Notes in Civil Engineering
A Case Study on the Shortage of availability of Skilled Labour in Faridabad, Delhi – NCR	Ashutosh Kumar, Yaman Hooda	Ashutosh Kumar	Lecture Notes in Civil Engineering
Skilled Labour shortage in the construction industry	Ashutosh Kumar, Ashish Shukla, Sunita Bansal and Vinod Kumar Kushwah	Ashutosh Kumar	IOP Conference Series
Green Concrete: A Review on Sustainable Development	Afzal Afzal, Ashish Shukla, Haobam Derit Singh and Vinod Kumar Kushwah	Afzal Afzal	IOP Conference Series
Comparative study on Self-Healing Bacterial Concrete Based on Different Bacteria: Strength and Durability	Aman Saini, Ashish Shukla and Nakul Gupta	Aman Saini	IOP Conference Series
Production of Various Construction Materials Using Red Mud: A Review	Tage Onia, Anjali Gupta, Ashish Shukla and Vinod Kumar Kushwah	Tage Onia	IOP Conference Series
Experimental Study on the Strength Parameters of Self Compacting Concrete Reinforced with Carbon Fibre	Vikas Choudhary; Haobam Derit Singh	Vikas Choudhary	Materials Today: Proceedings
Experimental Study on the Optimum Design and Performance of Porous Concrete with Partial Replacement of Cement with Glass Powder	Mohi Yadav, Bhupender Khatana, Haobam Derit Singh	Mohi Yadav, Bhupender Khatana	Lecture Notes in Civil Engineering
Exploring the Effectiveness of various waste materials in enhancing porous concrete performance: A comprehensive review	Anjali Gupta, Sandeep Singla, Lakshay Mongia, Shagufta Jabin, Abrar Hussain Gattoo, Asif Altaf	Lakshay Mongia	European Chemical Bulletin

A comparative Study of Bio cementation techniques for sustainable geotechnical sandy soil stabilization	Prachi Aggarwal, Anjali Gupta	Prachi Aggarwal	Springer
Comparative Vulnerability Assessment of Conventional Steel Structures and Pre - Engineered Fabricated Structures against Seismic Loads	Anurag Bhatt, Yaman Hooda	Anurag Bhatt	Springer
A Study on Steel Plate Jacketing as a Retrofitting Technique for an Existing High – Rise Structure	Shiv Verma, Yaman Hooda	Shiv Verma	Springer
Seismic Vulnerability Assessment of Angled – Roof Structures located on Hill Slopes with varying Ground Sloping Angle	Kamal Sharma, Yaman Hooda	Kamal Sharma	Springer
Effect of Vertical Irregularity on the Behavior of the High – Rise Structure against Wind Loads	Aman Saini, Yaman Hooda	Aman Saini	Springer
"Comparative Analysis of Transmission Line Towers for Angle section and Square Hollow section Structural Configuration in Indian context"	Rakshit Kumar, Yaman Hooda, Rajiv Ranjan	Rakshit Kumar	Materials Today: Proceedings
Seismic–Based Comparative Analysis of Existing Structures using P - Δ Effect	Shivam Sibbal, Animesh Yadav, Yaman Hooda	Shivam Sibbal, Animesh Yadav	Advances in 21st Century Human Settlements
Comparative Assessment of Vulnerability through Wind Analysis for a Multi-Storied Building	Jitesh Aggarwal, Gurdit Singh, Haobam Derit Singh	Jitesh Aggarwal, Gurdit Singh	Advances in 21st Century Human Settlements
Parametric Strength Study of Sustainable Steel Fiber Reinforced Concrete using Taguchi's Approach	Bhushan, Yaman Hooda	Bhushan	IOP Conference Series
Vulnerability Assessment of an Existing Bio – Gas Tank towards Lateral Loads	Vivek Bisht, Haobam Derit Singh	Vivek Bisht	IOP Conference Series

An Application of Taguchi's Approach in evaluation of Strength Properties of Sustainable Polymer Fibre Concrete	Vedant, Yaman Hooda	Vedant	IOP Conference Series
Feasibility Studies for Developing Composite Cement Dry Mix Mortar	Prince Bansal, Sunita Bansal	Prince Bansal	IOP Conference Series
Sustainable use of silica fume in green cement concrete production: A Review	Abotoli K Chichi, Lilesh Gautam	Abotoli K Chichi	Innovative Infrastructure Solutions (IISS)

b. Students benefited by career counseling and guidance for competitive examinations: 2022-23

Activity Description	No. of Participants
Zonal Championship cum Training on 2D Drafting and Designing	31
Seminar on Strategy to crack GATE & Other competitive Exams	53
Professional Discourse on "Realistic Finite Element Analysis with Abaqus	58
Rendezvous with Women Civil Engineers and Students to Brainstorm Career Opportunities in Civil Engineering with Women in the Sector	14
Workshop on Principles and Applications of Universal Testing Machine (UTM)	64

c. Student progression to higher education during the year: 2022-23

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Gurdit Singh	B.Tech Civil Engineering	Algoma University, Canada	Graduate Certificate: Project Management
Jatin Chaudhary	B.Tech Civil Engineering	Great Lakes Institute of Management, Chennai	PGD-Management
Lakshay Mongia	B.Tech Civil Engineering	Manav Rachna International Institute of Research & Studies	M.Tech-Civil Engineering with specialization in Construction Management
Mustjab	B.Tech Civil Engineering	Jamia Millia Islamia	Master of planning

Sagar Malik	M.Tech (Specialization I in Construction Management)	Manav Rachna International Institute of Research & Studies	Ph.D.
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d. FDPs attended by Faculty Members: 2022-23

Name of Faculty Member	Title	Date from	Date to
Sunita Bansal	2nd International Conference on Construction Materials and Structures (ICCMS – 2022)	13-12-2022	19-12-2022
Sunita Bansal	NPTEL-AICTE FDP on Availability and Management of Groundwater Resources	25-07-2022	14-10-2022
Sunita Bansal	FDP on AutoCAD	05-06-2023	09-06-2023
Sunita Bansal	FDP on Power Electronics for Renewable Energy Applications	31-10-2022	04-11-2022
Sunita Bansal	FDP on Innovative Technologies for Village Development	30-01-2023	03-02-2023
Yaman Hooda	2nd International Conference on Construction Materials and Structures (ICCMS – 2022)	13-12-2022	19-02-2022
Yaman Hooda	FDP on Advanced Construction Materials and Techniques for Roads, Buildings, Bridges and Other Civil Engineering Structures	18-07-2022	29-07-2022
Yaman Hooda	Short Course on Heavy-Haul Railways: Towards Safe, Efficient and Sustainable Design	02-08-2022	12-08-2022
Yaman Hooda	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Yaman Hooda	FDP on Structural Design using STAAD Pro	19-09-2022	23-09-2022
Yaman Hooda	FDP on Earthquake Risk Management	10-10-2022	14-10-2022
Yaman Hooda	NPTEL Certification Course on Design of Steel Structures	26-07-2022	24-10-2022
Yaman Hooda	FDP on Latest Analysis and Design Trends for Civil Engineering Structures	14-10-2022	18-10-2022
Yaman Hooda	Five Days International Workshop on Construction Materials	13-12-2022	17-02-2022
Yaman Hooda	FDP on Innovative Technologies for Village Development	30-01-2023	03-02-2023
Yaman Hooda	FDP on Sustainable Environmental Management	20-02-2023	24-02-2023
Yaman Hooda	FDP on Low Cost Housing Technique and Practices (Cluster)	13-03-2023	17-03-2023
Yaman Hooda	NPTEL Certification Course on Scheduling Techniques in Projects" - Course	26-01-2023	24-02-2023
Yaman Hooda	FDP on Research Methodology and Ethics in Research Publication	15-05-2023	19-05-2023
Yaman Hooda	FDP on AutoCAD	05-06-2023	09-06-2023
Haobam Derit Singh	2nd International Conference on Construction Materials and Structures (ICCMS – 2022)	13-12-2022	19-12-2022
Haobam Derit Singh	FDP on Advanced Construction Materials and Techniques for Roads, Buildings, Bridges and Other Civil Engineering Structures	18-07-2022	29-07-2022

Haobam Derit Singh	Short Course on Heavy-Haul Railways: Towards Safe, Efficient and Sustainable Design	02-08-2022	12-08-2022
Haobam Derit Singh	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Haobam Derit Singh	FDP on Structural Design using STAAD Pro	19-09-2022	23-09-2022
Haobam Derit Singh	FDP on Earthquake Risk Management	10-10-2022	14-10-2022
Haobam Derit Singh	NPTEL Online Course on Design of Steel Structures	26-07-2022	24-10-2022
Haobam Derit Singh	FDP on Latest Analysis and Design Trends for Civil Engineering Structures	14-10-2022	18-10-2022
Haobam Derit Singh	Five Days International Workshop on Construction Materials	13-12-2022	17-12-2022
Haobam Derit Singh	FDP on Innovative Technologies for Village Development	30-01-2023	03-02-2023
Haobam Derit Singh	FDP on Sustainable Environmental Management	20-02-2023	24-02-2023
Haobam Derit Singh	FDP on Low-Cost Housing Technique and Practices (Cluster)	13-03-2023	17-03-2023
Haobam Derit Singh	NPTEL Online Course on Scheduling Techniques in Projects	26-01-2023	24-02-2023
Haobam Derit Singh	FDP on Research Methodology and Ethics in Research Publication	15-05-2023	19-05-2023
Haobam Derit Singh	FDP on AutoCAD	05-06-2023	09-06-2023
Sonal Saluja	FDP on Innovative Technologies for Village Development	30-01-2023	03-02-2023
Sonal Saluja	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Sonal Saluja	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Ashish Shukla	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Ashish Shukla	FDP on Business and Soft skill Management	19-09-2022	23-09-2022
Ashish Shukla	FDP on Earthquake Risk Management	10-10-2022	14-10-2022
Ashish Shukla	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Ashish Shukla	FDP on Innovative Technologies for Village Development	30-01-2023	03-02-2023
Ashish Shukla	FDP on Applications of AI in Electronics Design	20-02-2023	24-02-2023
Ashish Shukla	FDP on Low Cost Housing Technique and Practices (Cluster)	13-03-2023	17-03-2023
Ashish Shukla	FDP on Curriculum Development in light of NEP 2020 in HEI	17-04-2023	21-04-2023
Sadiqa Abbas	FDP on Innovative Technologies for Village Development	30-01-2023	03-02-2023
Sadiqa Abbas	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Anjali Gupta	FDP on Innovative Technologies for Village Development	30-01-2023	03-02-2023
Anjali Gupta	FDP on Low Cost Housing Technique and Practices (Cluster)	13-03-2023	17-03-2023
Anjali Gupta	FDP on Earthquake Risk Management	10-10-2022	14-10-2022
Anjali Gupta	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022

Lilesh Gautam	FDP on Innovative Technologies for Village Development	30-01-2023	03-02-2023
Lilesh Gautam	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Lilesh Gautam	FDP on Earthquake Risk Management	10-10-2022	14-10-2022

g. Events Organized: 2022-23

Title	From Date	To Date
Short Term Programme on Innovative Technologies for Village Development	30-01-2023	03-02-2023
FDP on Low-Cost Housing Techniques and Practices	13-03-2023	17-03-2023

h. Faculty Research Papers: 2022-23

Title of paper	Name of the author/s	Name of Journal	Year of publications
"Delay Assessment in Construction Projects using Six Sigma in Indian Context"	Tanmay Swami and Yaman Hooda	NICMAR Journal of Construction Management	2022-23
Relative Experimental Evaluation of Properties of Concrete with addition of Super – Plasticizers	Yaman Hooda and Haobam Derit Singh	Materials Today: Proceedings	2022-23
Experimental Study on the Strength Parameters of Self Compacting Concrete Reinforced with Carbon Fiber	Vikas Choudhary, Haobam Derit Singh	Materials Today: Proceedings	2022-23
Utilization of plastic waste in construction industry in India – A review	Sunita Bansal, Shubham Singh Kushwah, Archit Garg, Karan Sharm	Materials Today: Proceedings	2022-23
Comparative Analysis of Transmission Line Towers for Angle section and Square Hollow section Structural Configuration in Indian context	Rakshit Kumar, Yaman Hooda	Materials Today: Proceedings	2022-23
Bone-China ceramic powder and granite industrial by-product waste in self-compacting concrete: A durability assessment with statistical validation	Lilesh Gautam, Sunita Bansal	Structures	2022-23
Sustainable use of silica fume in green cement concrete production: A review	Abotoli K Chichi, Lilesh Gautam	Innovative Infrastructure Solutions (IISS)	2022-23
Application of Artificial intelligence for Planning of Transportation system	Sonal Saluja, Sadiqa Abbas	BioGecko	2022-23
Automatic Bridge Crack Detection Model based on Convolutional Neural Network and Support Vector Machine	Anjali Gupta, Sandeep Singh, Anupama	European Chemical Bulletin	2022-23

Exploring the Effectiveness of Various Waste Materials in Enhancing Pervious Concrete Performance: A Comprehensive Review	Anjali Gupta, Lakshay Mongia, Shagufta Jabin	European Chemical Bulletin	2022-23
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i. Books Chapters: 2022-23

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference
Anjali Gupta	NA	Ground Improvement for Open Foundation on Soft Clays Using Stone Columns and PVD ains for Retaining Walls and Approaches of a Cable Stayed ROB	Ground Improvement Techniques
Yaman Hooda	NA	Comparative Analysis of Bracing Configuration for Retrofitting of Existing Structures on Hill Slopes	Proceedings of SECON 22
Yaman Hooda	Comparison of the Vulnerability Assessment of Step – Back Configuration and Set – Back Configuration Structures on Hill Slopes	NA	NA
Yaman Hooda and Haobam Derit Singh	Digital Reforms in Public Services and Infrastructure Development & Management.	NA	NA
Haobam Derit Singh and Yaman Hooda	Resilient of Digital Society to Natural Disasters	NA	NA

j. Faculty members: Awards & Recognitions: 2022-23

Name of Faculty Member	Awards/Recognition
Yaman Hooda	Student Learning Assessment 5 Stars-Excellent Performance (20-08-2022)
Yaman Hooda	Session Chaired on International Online Conference on Reuse, Recycling, Upcycling, Sustainable Waste Management and Circular Economy (ICRSC-2022) (11-09-2022)
Yaman Hooda	Present Paper (Invited Talk) International Online Conference on Reuse, Recycling, Upcycling, Sustainable Waste Management and Circular Economy (ICRSC-2022) (09-09-2022)

Yaman Hooda	Member in Editorial Board of International Journal of Engineering, Management & Technology (IJEMT) (22-09-2022)
Yaman Hooda	NPTEL Online Certification Course on Design of Steel Structures (09-11-2022)
Yaman Hooda	Lifetime Membership of Seismological Society of America (SSA) (03-02-2023)
Yaman Hooda	NPTEL Online Certification Course on Scheduling Techniques in Projects - Elite Certification (01-04-2023)
Yaman Hooda	Editor on Futuristic Trends in Construction Materials & Civil Engineering (10-06-2023)
Anjali Gupta	AICTE nominated as Expert evaluation committee member for NEAT 3.0 products/courses (03-01-2023)
Anjali Gupta	Selected as Reviewer for AICTE's Hindi Translation Project to review a third semester book for diploma students (16-01-2023)
Anjali Gupta	Super Green Woman Award (05-03-2023)
Sonal Saluja	Session chair at Second International Conference on Sustainable Materials and Practices for Built Environment (SMPBE-2023) (20-01-2023)
Sonal Saluja	Reviewer certificate of Materials Today: Proceedings (28-04-2023)
Sonal Saluja	National Advisory Board member (05-12-2022)
Sonal Saluja	Appreciation certificate for paper presentation on Engineers Day by Institution of Engineers, Faridabad Local Chapter (15-09-2022)

5. DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

i) Thrust Areas of the Department

- Cloud Computing
- Artificial Intelligence and Natural Language
- Embedded Systems
- Machine Learning and Pattern Recognition
- Big Data Analytics (BDA)
- Graphics and Gaming: Augmented Reality
- Communication Networks, Virtualization and Autonomic Computing.
- Cyber Security and Forensics

ii) Academic Achievements of the Department

a. Students Publications: 2022-23

Title of paper	Name of all the author/s	Student Authors	Journal/Conference/Book Title
Traffic Scenarios and Vision Used Cases for the Visually Impaired Clients	Bhoopesh Chaudhary, Vipin Rawat, Prateek Kumar, Manisha Vashisht	Bhoopesh Chaudhary, Vipin Rawat, Prateek Kumar	NA

Machine learning Models for Fake News Detection	Ananya Gupta, Monika Sharma, Dasari Gowthami, Tapas Kumar, Shweta Mongia	Ananya Gupta, Monika Sharma, Dasari Gowthami,	NA
Critical Review of Air Quality Prediction using Machine learning Techniques	Shweta Sharma, Poonam Tanwar, Ankur Yadav, B. Kesava Sairam, Sahil Jaswal	Ankur Yadav, B. Kesava Sairam, Sahil Jaswal	NA
Cyber Stalking: The Impact of Harassment on Vulnerable Group of Women and Minors	Nitasha Soni, Krishan , Mukul Saini, Akash, sanchit	Mukul Saini, Akash, Sanchit	International Journal of All Research Education and Scientific Methods (IJARESM),
A study on implementation of AI stock market prediction	Nitasha, Krishan, Hardik, Abhishek	hardik, Abhishek	International Journal of All Research Education and Scientific Methods (IJARESM),
Human Computer Interaction in Education	Ananya Khurana, Rohan Raj, Satendar, Neha Garg	Ananya Khurana, Rohan Raj, Satendar	Indian Journal of Data Mining
Types, Methodologies and Global Case Studies: A Review on Cyber Security	Deepika Arora, Mahak Garg, Shweta Mongia	Deepika Arora, Mahak Garg	NA
Analysis of Machine Learning algorithms used in Face Recognition Attendance System	Gourisha Goel, Vinay Bansal, Deepa Bura	Gourisha Goel, Vinay Bansal,	NA
A Review on HCI	Jhanvi Gupta, Mohit Ahuja	Neha Garg	NA
Achieving Anonymity with the help of TOR (TOR A Review)	Mr. Akash Rawat, Mr. Manav Mehlawat, Mrs. Neha Garg	Mr. Akash Rawat, Mr. Manav Mehlawat	International journal of Advances in Engineering and Management (IAEM)
Personality Prediction system using Questionnaire	Siddharth Bhatt, Yash Sharma, Priyanshu Karki, Poonam Katyal	Siddharth Bhatt, Yash Sharma, Priyanshu Karki, Poonam Katyal	BITSEEECON 2022, IJARIIT, Volume-8, Issue-4, 2022
Analysis and comparison of Different Cryptographic Algorithms	Yash Aggarwal, Nittan Kumar, Varun Dewarani, Poonam Katyal	Yash Aggarwal, Nittan Kumar, Varun Dewarani	JIMS 8i 2022 Journal
Digital Blockchain for Smart Surveillance in Resilient Cities	Charu Virmani, Harsh Vardhan, Abhimanyu Pathania	Harsh Vardhan, Abhimanyu Pathania	Journal
Comparative Analysis of Personality Prediction Systems of CV	Ms. Poonam Katyal, Mohit Sharma, Naman Sharma	Mohit Sharma, Naman Sharma	International Journal of Advances in Engineering and Management
Achieving Anonymity with the help of TOR	Akash Rawat, Arun Chaudhary, Harsh Kumar	Akash Rawat, Arun Chaudhary, Harsh Kumar	IJISRT, Vol. 7, Issue 11
Nifty-50 Prediction using Data science	Rakshit Duhan, Divesh Deswal, Shivam Bhasin, Priyanshu Lochab	Rakshit Duhan, Divesh Deswal, Shivam Bhasin, Priyanshu Lochab	WEB APP development

Adaptive traffic management for life saving services	Subhranshu Mohapatra, Siddhant Saxena	Subhranshu Mohapatra, Siddhant Saxena	IJCRT
Risk Management by Grid Computing in AWS	Vidushi Singhal, Kanika Khatri, Shefali Singhal	Vidushi Singhal, Kanika Khatri,	NA
Twitter Sentiment Analysis of India vs Pakistan T20 World Cup Match Using SVM Classifier	Eashaan Sharma, Aryan gaur, Shefali Singhal	Eashaan Sharma, Aryan gaur,	NA
Challenges and issues in energy efficient load balancing in the cloud computing environment	Unnati Tyagi, Vinay Bansal, Shefali SInghal, Tanvi Gupta	Unnati Tyagi, Vinay Bansal,	NA
Cnc Machine Handling for Holes Servicing through Programming	Shefali Singhal,Gaurav Singh, Rahul Sharma	Gaurav Singh, Rahul Sharma	NA
K-Means Clustering in Image Compression	Kanika Khatri, Vidushi Singhal, Shefali Singhal	Kanika Khatri, Vidushi Singhal	NA
Augmented Reality for Advanced Home Applications	Pronika, Devesh Mudgal,Gaurav Yati	Devesh Mudgal,Gaurav Yati	NA
Study of Image Data Security with Cloud	Pronika chawla, Harshita parihaar, Ankit MATHur	Harshita parihaar, Ankit MATHur	NA
Security Issues and Vulnerabilities in Web Application	Sitara Anumotu, Amit Balhara Kushagra Jha,Pronika Chawla	Sitara Anumotu, Amit Balhara Kushagra Jha,	NA
Social Engineering Attacks	Yuvraj Singh Saini, Lucky Sharma, Pronika Chawla & Sanidhya Parashar	Yuvraj Singh Saini, Lucky Sharma & Sanidhya Parashar	NA
Natural Language Processing in Chatbots	D. Sai Pranav, Mehar Mutreja, Devansh Punj & Pronika Chawla	D. Sai Pranav, Mehar Mutreja, Devansh Punj	NA
Face Recognition Techniques and Implementation	Inshita Bamba, Yashika, Jahanvi Singh & Pronika Chawla	Inshita Bamba, Yashika, Jahanvi Singh	NA
Development of Android Applications and Its Security	Hridya Dham, Tushar Dubey, Kunal Khandelwal, Kritika Soni & Pronika Chawla	Hridya Dham, Tushar Dubey, Kunal Khandelwal,	NA
Study of Smart Contracts	Koteswararao Nalabothi, Shobha Tyagi	Koteswararao Nalabothi	NA

b. Students benefited by career counseling and guidance for competitive Examinations: 2022-23

Activity Description	No. of Participants
A Two day's Workshop on ArduBotics Robotics	44
ANUBHUTI - 22	150
Cyber Security offline workshop	60
Cyber Security offline workshop	32
Cyber Security Workshop	128
Expert Talk on Artificial Intelligence: Real Life Case Studies of Various Domains	50
Expert Talk on Self Driving Vehicles using Robotics and Machine Learning	33
HACK THE MOUNTAINS 3.0	25
Industrial Visit C-DAC Mohali	31
International Guest Lecture series for exploring Java	120
Microsoft Imagine cup camp	400
Seminar on future prospects of artificial intelligence and internet of things	70
Session on Cyber Peace Volunteers	47
Webinar on Sustainable Blockchain Security	45
Webinar on Sustainable Blockchain Security	45
Workshop by Keyword Studios for AAA Gaming	97
Workshop on Compliances and Security in Cloud	49
In-house Pre-Placement Training	187
International Webinar by Taiwan Embassy's Education Division about scholarships and TEEP	100

c. Student progression to higher education during the year: 2022-23

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Divyansh Singh	B.Tech Computer Science and Engineering (Cloud Computing)	Vrije Universiteit Amsterdam	M.Sc. Artificial Intelligence
Kanika Rajput	B.Tech Computer Science and Engineering (Cloud Computing)	Vrije Universiteit Amsterdam	M.Sc. Artificial Intelligence
Kavya Kothakota	B.Tech Computer Science and Engineering (Cloud Computing)	Rowan University, New Jersey	MS
Rajanika Debnath	B.Tech Computer Science and Engineering (Cloud Computing)	Illinois Tech	MS
Riya Singh	B.Tech Computer Science and Engineering (Cloud Computing)	University Of Exeter.	M.Sc. Advanced Computer Science

d. Faculty members: Awards & Recognitions: 2022-23

Name of Faculty Member	Awards/Recognition
Poonam Tanwar	Gems of society award (15-03-2023)
Indu Kashyap	Patent Published System and Method for Nutrition Reporting using Artificial Intelligence (05-08-2022)
Rachna Behl	Patent Published System and Method for Nutrition Reporting using Artificial Intelligence (05-08-2022)
Indu Kashyap	NPTEL Online Certification: Business Analytics & Data Modeling Using R-Part II (15-08-2022)
Nitasha Soni	Patent Granted (An automated drug delivery system based on the Internet of Things, IPC: G05D 1/02) (02-11-2022)
Nitasha Soni	Patent Granted (A heart sound analysis system to detect heart disease, IPC: A61B 7/04) (17-10-2022)
Krishan Kumar	Patent Granted (An automated drug delivery system based on the Internet of Things, IPC: G05D 1/02) (02-11-2022)
Krishan Kumar	Patent Granted (A heart sound analysis system to detect heart disease, IPC: A61B 7/04) (17-10-2022)
Mamta Dahiya	Deliver a keynote address & session chair at International Conference on Computational Intelligence and Sustainable Engineering Solutions (CISES2023) (28-04-2023)
Mamta Dahiya	Bharat Gaurav Puraskar (23-04-2023)
Mamta Dahiya	MDU interview panelist at Deen Dayal Rastogi College (26-05-2023)

Rashi Sahay	Patent Published (Methods of data mining, IoT/WSN are used to avoid bacterial infection in the foodstuff (23-06-2023))
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e. FDPs attended by Faculty Members: 2022-23

Name of Faculty Member	Title	Date from	Date to
Charu Virmani	FDP on Data Science using Python recognised by AICTE	10-10-2022	14-10-2022
Manisha Vashisht	FDP on Machine Learning and Predictive Analysis using Python	11-07-2022	15-07-2022
Neha Garg	FDP on Project Based Learning: International Perspective	04-07-2022	09-07-2022
Rosy Madaan	FDP on Machine Learning and Predictive Analysis using Python	11-07-2022	15-07-2022
Savita	FDP on Machine Learning and Predictive Analysis using Python	11-07-2022	15-07-2022
Savita	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Ranjeeta Mittal	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Poonam Katyal	FDP on Data Science using Python recognised by AICTE	10-10-2022	14-10-2022
Poonam Nandal	FDP on Data Science using Python recognised by AICTE	10-10-2022	14-10-2022
Poonam Nandal	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Meeta Singh	FDP on Data Science using Python recognised by AICTE	10-10-2022	14-10-2022
Meeta Singh	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Srishty	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Rosy Madaan	NPTEL-AICTE FDP on Python for Data Science	01-07-2022	01-08-2022
Rosy Madaan	FDP on Planning, Execution and Evaluation of Project Work	20-02-2023	24-02-2023
Monika	FDP on Applications of AI in Electronics Design	20-02-2023	24-02-2023
Monika	FDP on Skill Development for Employability	16-01-2023	20-01-2023
Monika	Short Term Course on Smart Materials and Nanotechnology through ICT	17-10-2022	21-10-2022
Indu Kashyap	Online Certification Course Business Analytics and Data Mining Modelling using R - Part II	01-07-2022	01-08-2022

Nitasha Soni	FDP on Machine Learning and Predictive Analysis using Python	11-07-2022	15-07-2022
Pronika	FDP on Machine Learning and Predictive Analysis using Python	11-07-2022	15-07-2022
Sonali Batra	FDP on Machine Learning and Predictive Analysis using Python	11-07-2022	15-07-2022
Sonali Batra	Oracle Academy Certification Course on Java Programming	26-09-2022	07-10-2022
Sonali Batra	FDP on Data Science using Python recognized by AICTE	10-10-2022	14-10-2022
Ramesh Chandra Sahoo	FDP on Machine Learning and Predictive Analysis using Python	11-07-2022	15-07-2022
Ramesh Chandra Sahoo	FDP on Data Science using Python	10-10-2022	14-10-2022
Poonam Tanwar	FDP on Machine Learning and Predictive Analysis using Python	11-07-2022	15-07-2022
Shefali	FDP on Machine Learning and Predictive Analysis using Python	11-07-2022	15-07-2022
Shefali	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023
Shefali	FDP on Data Science using Python	10-10-2022	14-10-2022
Shefali	FDP on Research Methodology	31-03-2023	09-04-2023
Arko Bagchi	FDP on Machine Learning and Predictive Analysis using Python	11-07-2022	15-07-2022
Shweta Sharma	FDP on Machine Learning and Predictive Analysis using Python	11-07-2022	15-07-2022
Indu Kashyap	FDP on Machine Learning and Predictive Analysis using Python	11-07-2022	15-07-2022
Meghna Luthra	FDP on Machine Learning and Predictive Analysis using Python	11-07-2022	15-07-2022
Meghna Luthra	FDP on Project Based Learning: International Perspective	04-07-2022	09-07-2022
Shobha Tyagi	FDP on Project Based Learning: International Perspective	04-07-2022	09-07-2022
Meghna Luthra	FDP on VLSI Devices and Circuits for AI Applications	19-09-2022	23-09-2022
Nitasha Soni	FDP on Data Science using Python	10-10-2022	14-10-2022
Poonam Tanwar	NPTEL-AICTE FDP on Patent drafting for beginners	01-07-2022	01-08-2022
Poonam Tanwar	NPTEL-AICTE FDP on Python for Data Science	01-07-2022	01-08-2022
Pronika	NPTEL-AICTE FDP on Demystifying networking	01-07-2022	01-08-2022
Pronika	FDP on Data Science using Python	10-10-2022	14-10-2022

Shobha Tyagi	NPTEL-AICTE FDP on Modern Algebra	01-08-2022	01-10-2022
Poonam Tanwar	FDP on Data Science using Python	10-10-2022	14-10-2022
Nitasha Soni	FDP on Planning, Execution and Evaluation of Project Work	20-02-2023	24-02-2023
Kaushal Kumar	FDP on Planning, Execution and Evaluation of Project Work	20-02-2023	24-02-2023
Krishan Kumar	FDP on Data Science using Python recognized by AICTE	10-10-2022	14-10-2022
Krishan Kumar	FDP on Planning, Execution and Evaluation of Project Work	20-02-2023	24-02-2023
Poonam Tanwar	FDP on Planning, Execution and Evaluation of Project Work	20-02-2023	24-02-2023
Priyanka Rastogi	FDP on Planning, Execution and Evaluation of Project Work	20-02-2023	24-02-2023
Ramesh Chandra Sahoo	FDP on Planning, Execution and Evaluation of Project Work	20-02-2023	24-02-2023
Indu Kashyap	ATAL FDP on Artificial Intelligence	16-01-2023	20-01-2023
Anisha	FDP on Data Science using Python	10-10-2022	14-10-2022
Anisha	FDP on AI/ML for computer vision and medical image analysis applications	25-03-2023	05-04-2023
Shobha Tyagi	FDP on Research Methodology	31-03-2023	09-04-2023
Savita	FDP on VLSI Devices and Circuits for AI Applications	19-09-2022	23-09-2022
Savita	FDP on Data Science using Python	10-10-2022	14-10-2022
Savita	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Savita	FDP on Skill Development for Employability	16-01-2023	20-01-2023
Savita	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023
Tanu Dua	FDP on Data Science using Python	10-10-2022	14-10-2022
Tanu Dua	FDP on Skill Development for Employability	16-01-2023	20-01-2023
Tanu Dua	FDP on Research Methodology	31-03-2023	09-04-2023
Tanu Dua	FDP on Intellectual Property rights	24-04-2023	28-04-2023

Neha Garg	FDP on Data Science using Python	10-10-2022	14-10-2022
Neha Garg	FDP on Research Methodology	31-03-2023	09-04-2023
Pronika	FDP on Skill Development for Employability	16-01-2023	20-01-2023
Pronika	FDP on Planning, Execution and Evaluation of Project Work	20-02-2023	24-02-2023
Arko Bagchi	FDP on Planning, Execution and Evaluation of Project Work	20-02-2023	24-02-2023
Arko Bagchi	FDP on Professional Skills and Intellectual Property Rights	15-05-2023	19-05-2023
Supriya P Panda	FDP on Data Science using Python	10-10-2022	14-10-2022
Meghna Luthra	FDP on Role of Computational Intelligence In Society	15-05-2023	20-05-2023
Kaushal Kumar	FDP on Data Science using Python	10-10-2022	14-10-2022
Deepa Bura	FDP on Data Science using Python	10-10-2022	14-10-2022
Deepa Bura	FDP on Effective Curriculum Implementation	12-12-2022	16-12-2022
Deepa Bura	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Kaushal Kumar	FDP on VLSI Devices and Circuits for AI Applications	19-09-2022	23-09-2022
Kaushal Kumar	Short Term Course on Smart Materials and Nanotechnology through ICT	17-10-2022	21-10-2022
Kaushal Kumar	FDP on Artificial Intelligence	16-01-2023	20-01-2023
Kaushal Kumar	FDP on Intellectual Property rights	24-04-2023	28-04-2023
Kaushal Kumar	FDP on Skill Development for Employability	16-01-2023	20-01-2023
Prashant Dixit	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Rashima Mahajan	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Rashima Mahajan	FDP on Innovative Technologies for Village Development	16-01-2023	20-01-2023
Rashima Mahajan	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023
Prashant Dixit	FDP on Planning, Execution and Evaluation of Project Work	20-02-2023	24-02-2023
Shweta Sharma	FDP on Data Science using Python	10-10-2022	14-10-2022

Shobha Tyagi	NPTEL-AICTE Certification Course on Modern Algebra	18-08-2022	28-10-2022
Shobha Tyagi	FDP on Data Science using Python	10-10-2022	14-10-2022
Neha Batra	FDP on Data Science using Python	10-10-2022	14-10-2022
Neha Batra	FDP on Skill Development for Employability	16-01-2023	20-01-2023
Neha Batra	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Ranjeeta Mittal	FDP on Skill Development for Employability	16-01-2023	20-01-2023
Swati Hans	FDP on Skill Development for Employability	16-01-2023	20-01-2023
Tanvi Gupta	FDP on Skill Development for Employability	16-01-2023	20-01-2023
Tanvi Gupta	FDP on Data Science using Python	10-10-2022	14-10-2022
Rachna Behl	FDP on Data Science using Python recognized by AICTE	10-10-2022	14-10-2022
Romisha Arora	FDP on Machine Learning and Predictive Analysis using Python recognized by AICTE	11-07-2022	15-07-2022
Romisha Arora	FDP on Challenges and opportunities in VLSI Design recognized by AICTE	25-07-2022	29-07-2022
Romisha Arora	FDP on Energy Harvesting & Storage Materials & Devices recognized by AICTE	12-09-2022	16-09-2022
Romisha Arora	FDP on VLSI Devices and Circuits for AI Applications recognized by AICTE	19-09-2022	23-09-2022

f. Events Organized: 2022-23

Title	Date From	Date To
Short Term Course on Data Science using Python	10-10-2022	14-10-2022
Short Term Course on Skill Development for Employability	16-01-2023	20-01-2023
Short Term Course on Planning, Execution and Evaluation of Project Work	20-02-2023	24-02-2023

g. Faculty Research Papers: 2022-23

Title of paper	Name of the author/s	Name of journal	Year of publication
Identification and classification of prostate cancer identification and classification based on improved convolution neural network	Shobha Tyagi	BioMed Research International	2022-23
A Semi-Automated Hybrid Approach to Identify Radicalization on Social Digital Platform	Vandana Batra, Suresh Kumar	Indonesian Journal of Electrical Engineering and Computer Science This link is disabled,	2022-23
Identifying radical activity on social digital platform: A machine learning approach	Vandana Batra, Suresh Kumar	Trends in Sciences	2022-23
Roles of SEO in Increasing Page Speed and Reducing Energy Consumption,	Simple Sharma, Supriya P.Panda	International Journal of New Innovations in Engineering and Technology	2022-23
PERFORMANCE ANALYSIS OF AES AND FERNET ALGORITHM WITH EXISTING ENCRYPTION TECHNIQUES	Pronika, Supriya P. Panda	International Journal of Engineering Research and Applications	2022-23
A Review of Indian Soils and Detection of Key features of Fruits production using K-Means Clustering	Meenakshi, Deepa Bura	NeuroQuantology	2022-23
Development and performance evaluation of object and traffic light recognition model by way of deep learning	Shweta Bali (Shweta Sharma), Tapas Kumar	Indonesian Journal of Electrical Engineering and Computer Science	2022-23
Automatic video censoring system using deep learning	Poonam Tanwar	International Journal of Electrical and computer Engineering	2022-23
Improving document classification using domain-specific vocabulary: hybridization of deep learning approach with TFIDF	Indu Kashyap	International Journal of Information Technology (Singapore), 2022,	2022-23
Classification based topic extraction using domain-specific vocabulary: a supervised approach	Indu Kashyap	Indonesian Journal of Electrical Engineering and Computer Science This link is disabled,	2022-23
Pattern recalling analysis of an auto associative memory network using FFT and DWT	Ramesh ch Sahoo	Multimedia tools and applications, Springer	2022-23
ADS-Classif:A Robust Tool to Classify Diverse Documents using Weighted Domain-Specific Vocabulary	Indu Kashyap	IETE Journal of Research	2022-23
Cyber Stalking: The Impact of Harassment on Vulnerable Group of Women and Minors	Nitasha Soni, Krishan Kumar	International Journal of All Research Education and Scientific Methods (IJARESM),	2022-23
A study on implementation of AI in stock market prediction	Nitasha Soni, Krishan Kumar	International Journal of All Research Education and Scientific Methods (IJARESM),	2022-23
Human Computer Interaction in Education	Ananya Khurana, Rohan Raj, Satendar, Neha Garg	Indian Journal of Data Mining	2022-23

Statistical Evaluation of Network Packets in an Intrusion Detection Mechanism Using ML and DL Techniques	Rashima Mahajan	Cybernetics and Systems	2022-23
Spectrum sensing using 16-QAM and 32-QAM modulation techniques at different signal-to-noise ratio: a performance analysis	Rashima Mahajan	IAES International Journal of Artificial Intelligence	2022-23
Comparison of different Health and Nutrition Management Apps: A Comprehensive Analysis	Deepa Bura, Aman Negi, Tushar Saini,	Journal of Management and Service Science (JMSS)	2022-23
Proposed Applications of Artificial Intelligence in Birds Healthcare System	Krishan Kumar, Nitasha Soni	International Journal of All Research Education and Scientific Methods (IJARESM),	2022-23
Achieving Anonymity with the help of TOR (TOR A Review)	Akash Rawat, Manav Mehlawat, Neha Garg	International journal of Advances in Engineering and Management (IAEM)	2022-23
Load Balancing Algorithms with the application of Machine Learning: A Review".	Divyansh Singh, Vandit, Neha Garg	MR International Journal of Engineering and Technology	2022-23
Performance analysis of Hyperledger fabric blockchain network 2.2	Shobha Tyagi	JIMS8I International Journal of Information Communication and Computing Technology	2022-23
Face Mask Detection Using Python	Neha Garg Siddharth Singh, Deepanshu Choudhary, Varun Kapasia	International Journal of Engineering Applied Sciences and Technology	2022-23
An E-commerce prediction system for product allocation to bridge the gap between cultural analytics and data science	Shafali Singhal	Expert Systems	2022-23
Image Forgery Detection and Localization using Block based and key-point based Feature Matching Forensic Investigation	Monika and Abhiruchi Passi	Wireless Personal Communications ISSN: 0929-6212	2022-23
Elevation identification a part in Central India with GIS and remote sensing	Monika	Annals of Forest Research ISSN: 18448135, 20652445	2022-23
"Synthesis of functionalized rare earth metal as nanotherapeutics towards cancer diagnostics plethora"	Monika	Annals of Forest Research ISSN: 18448135, 20652445	2022-23
An enhanced hybridized approach for group recommendation via reliable ratings	Rachna Behl and Indu Kashyup	Indonesian Journal of Electrical Engineering and Computer Science This link is disabled, 2022, 27(1), pp. 413–421	2022-23
5G Wireless System Technology	Tanu dua	European Chemical Bulletin	2022-23
Identification and classification of prostate cancer identification and classification based on improved convolution neural network	Shobha Tyagi	BioMed Research International	2022-23

h. Book Chapters: 2022-23

Name of the Author	Title of the book/chapters published	Title of the Paper	Title of the Proceedings of the Conference
Supriya P Panda, Rosy Madaan, Komal Bhatia	Smart Healthcare for sustainable Urban Development	NA	NA
Manisha Vashisht, Brijesh Kumar	Robust Classification of Traffic Signs using MRMR Feature Reduction Technique	NA	NA
Poonam Chhabra, Rosy Madaan	NA	Data mining concepts in healthcare with discussion on prediction of diseases	NA
Prashant Dixit, Anuradha	NA	Comparative Study of Location-Based Routing Protocols for MANETs	NA
Prashant Dixit, Arvind Kumar, S.S Tyagi	NA	An Improved Location Aided Routing Protocol for Vehicular Ad-hoc Network using Reinforced Learning	NA
Dimple Chehal, Parul Gupta, Payal Gulati, Rosy Madaan, Komal Kumar Bhatia	Stress Detection Using Machine Learning Techniques in IoT Environment	NA	NA
Suresh Kumar, Kamlesh Sharma, Dhruv Veragi, Ankit Juyal	NA	Sentimental Analysis of Movie Reviews Using Machine Learning Algorithms	NA
Suresh Kumar, Kamlesh Sharma, Tathagat Yash, Dinki	NA	Ethical hacking: A technique to enhance information security	NA
Suresh Kumar, Kamlesh Sharma, Yanshee Sharma, Vanshika Bohra, Ananya Khurana, Savita Sindhu, Monica	NA	Evaluation of Eye Blink detection techniques for drowsy drivers	NA
Suresh Kumar, Kamlesh Sharma, Shaik Muhammad Irfan, Hemanth Rathore, Harsh Bisen, Dheeraj Kumar	NA	Comparative Analysis of Various Load Balancing Techniques in Cloud Environment	NA

Vineet Shrivastava and Suresh Kumar	NA	Movie Recommendation Based on Fully Connected Neural Network with Matrix Factorization	NA
Ranjeeta Mittal, Shweta Mongia, Urvashi Chugh	NA	Machine Learning techniques towards efficient occupancy detection for Industrial urban spaces	NA
Yanshee Sharma, Vanshika Bohra, Ananya Khurana, Suresh Kumar and Savita Sindhu	NA	Eye Blink Detection for drowsy drivers	NA
Mani Sharma, Savita Sindhu	NA	Computation of new routes created by adding Artificial Sensors in Wireless Sensor Network	NA
Vidushi Singhal, Kanika Khatri, Shefali Singhal	NA	Risk Management by Grid Computing in AWS	2022 International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON), 26-27 May 2022
Eashaan Sharma, Aryan gaur, Shefali Singhal	NA	Twitter Sentiment Analysis of India vs Pakistan T20 World Cup Match Using SVM Classifier	2022 International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON), 26-27 May 2022
Unnati Tyagi, Vinay Bansal, Shefali Singhal, Tanvi Gupta	NA	Challenges and issues in energy efficient load balancing in the cloud computing environment	2022 International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON), 26-27 May 2022
Shilpa, Nitasha	NA	Object Detection in Image using Components of Convolutional Neural Network and YOLO, COMMIT CON, 2022	2022 International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON), 26-27 May 2022
Inshita Bamba, Yashika, Jahanvi Singh and Pronika Chawla	Emerging Technologies in Data Mining and Information Security	Face Recognition Techniques and implementation	IEMIS 2022
Deepa Bura, Meeta Singh, Poonam Nandal, and Pooja Khurana	NA	Efficient Hybrid Technique for Devanagari Numerals Recognition	2022 International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON), 26-27 May 2022
Mridul Wadhwa, Tushar Jha, Bishal Kumar Prasad, Abhishek Bajaj, Lakshya Nagpal and Deepa Bura	NA	A Hybrid approach on Tracking Criminal Investigation and Suspect Prediction	2022 International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON), 26-27 May 2022

Anshu Sharma, Poonam Tanwar	NA	Identification of Autism Spectrum Disorder (ASD) from Facial Expressions using Deep Learning	2022 International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON), 26-27 May 2022
Rachna Behl, Indu Kashyap	NA	Learning impact of non-personalized approaches for PoI recommendations	IEMIS2022
Astha Goyal, Indu Kashyap	NA	Latent Dirichlet Allocation - An approach for topic discovery	2022 International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON), 26-27 May 2022
Vandana Kalra, Indu Kashyap	NA	Effect of Ensembling over K-fold Cross-Validation with Weighted K-Nearest Neighbor for Classification in Medical Domain	2022 International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON), 26-27 May 2022
Meghna Luthra	NA	A Comprehensive study to identify plants using Unsupervised & Supervised Learning	2022 International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON), 26-27 May 2022
Shobha Tyagi, Madhumita Kathuria	NA	Role of zero knowledge proof in Blockchain Security	2022 International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON), 26-27 May 2022
Tanvi Gupta, Supriya P Panda	NA	A Comparison of Machine Learning Algorithms in Predicting Pulmonary diseases	International Conference on Machine Learning, Big Data, Cloud and Parallel Computing, COM-IT-CON 2022,
Pronika	Evolving Predictive Analytics in Healthcare: New AI techniques for real-time interventions	Intelligent approach for network intrusion detection system (NIDS) utilizing machine learning (ML)	NA
Pronika	Emerging Technologies in Data Mining and Information Security	Social Engineering Attacks	Proceedings of IEMIS 2022
Pronika	Emerging Technologies in Data Mining and Information Security	Natural Language Processing in Chatbots	Proceedings of IEMIS 2022

Pronika	Emerging Technologies in Data Mining and Information Security	Development of Android Applications and Its Security	Proceedings of IEMIS 2022
Pronika	Next Generation of Internet of Things.	Security Issues and Vulnerabilities in Web Application	Proceedings of ICNGIoT
krishan, Charu Rohila	NA	Traffic Congestion Control System Using Machine Learning	2022 International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON), 26-27 May 2022
Jahanvi, Mohit, Neha Garg	NA	Human Computer Interaction in Education	CISCT 2022
Gourisha Goel, Vinay Bansal, Deepa Bura	NA	Analysis of Machine Learning algorithms used in Face Recognition Attendance System	2022 International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON), 26-27 May 2022
Shweta Bali, Tapas Kumar, S.S. Tyagi	NA	Lightweight Deep Learning Model for Traffic Light Detection Model	2022 2nd International Conference on Technological Advancements in Computational Sciences (ICTACS)
Neha Garg, Kamlesh Sharma	Feature Extraction for Emotion Recognition: A Review	NA	NA
Indu kashyap	NA	A Systematic Survey of Deep Neural Networks for Sentiment Analysis: Powerful Classification and Word Embedding Techniques	INDIACom - 2023
S K Srivastava, Pallavi Goel, Anisha, Savita Sindhu	Decision Support Systems for Smart City Applications	Industry 5.0: Coexistence of Humans and Machines	International Conference on Computational Intelligence for Engineering and Management Applications
A Hussain, Anisha, PM Goel, S Chakraborty	Decision Support Systems for Smart City Applications	Smart Child Safety Framework Using Internet of Things	International Conference on Computational Intelligence for Engineering and Management Applications
Meeta Singh, Poonam Nandal, Deepa Bura	Designing Context-Rich Learning by Extending Reality	Comparison Analysis of Global Healthcare of virtual reality Systems Market by Geography in Existing Market Scenario	NA

Shobha Tyagi, Chennakesava Gogireddy and Chandu Varikuppala	NA	Study of smart contracts	Proceedings of the International Conference on Innovative Computing & Communication (ICICC) 2022
N. Mehndiratta, G. Arora and R. Bathla	NA	The use of Artificial Intelligence in the Banking Industry	2023 International Conference on Recent Advances in Electrical, Electronics & Digital Healthcare Technologies (REEDCON)
S. Malhotra, G. Arora and R. Bathla	NA	Detection and Analysis of Fraud Phone Calls using Artificial Intelligence	2023 International Conference on Recent Advances in Electrical, Electronics & Digital Healthcare Technologies (REEDCON)

6. DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

i. Thrust Areas of the Department:

1. VLSI Design & Testing
2. Analog & Mixed Signal Design
3. Testing & Verification
4. RTOS
5. Wireless Communication
6. Antenna & RF Communication
7. Optical Communication & Networks
8. Machine Learning for Embedded Systems
9. Embedded Linux
10. Robotics
11. Internet of Things
12. Digital Signal Processing
13. Image Processing
14. Speech Signal Processing

ii. Academic Achievements

a. Student's Publications: 2022-23

Title of paper	Name of all the author/s	Student Authors	Journal / Conference / Book Title
NETRAM - AI Driven	Anuvart Kumar, Kartik Shekhar, Devdutt	Priti Bhowmik, Anuvart Kumar, Kartik Shekhar, Devdutt	MR International Journal of Engineering and Technology
Methods of Detection of Micro-plastic in Environment with Effect	Kartik Shekhar Kachhawa, Tarun Pal Singh, , Y K Awasthi	Kartik Shekhar Kachhawa, Tarun Pal Singh	International Journal of Information, Communication and Computing Technology (IJICCT)

b. Student progression to higher education during the year: 2022-23

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Ritick Sethi	B Tech - Electronics and Communication Engineering	University Of Applied Sciences Karlsruhe, Germany	Higher Study in Sensor System Technology
Yuvansh	B Tech - Electronics and Communication Engineering	Vaish College Of Engineering, Mdu Rohtak	M.Tech-Electronics and Communication Engineering

c. Students benefited by career counseling and guidance for competitive Examinations: 2022-23

Activity Description	No. of Participants
Current Industry Trends and Importance lithium batteries and electric vehicles	44
Career opportunities for Electronics Engineers in Semiconductor domain	50
Ansys solver capabilities and design Antenna demonstration with latest version of 2023 R1	25
Expert Talk on Active and Passive RF circuit Design	41
Expert Talk on Electromagnetic fields & Antenna for 5G and beyond using CST Studio Software	39

d. Events Organized: 2022-23

Title	From Date	To Date
STC on VLSI Devices and Circuits for AI Applications	19-09-2022	23-09-2022
STC on Smart Materials and Nanotechnology	17-10-2022	21-10-2022
STC on Applications of AI in Electronics Design	20-02-2023	24-02-2023

e. Faculty members: Awards & Recognitions: 2022-23

Name of Faculty Member	Awards/Recognition
Abhiruchi Passi	Faculty Coordinator in Smart India Hackathon 2022 (25-08-2022 to 29-08-2022)
Abhiruchi Passi	Patent Grant-IOT Based Laser Composite Material Cutting (27-05-2023)
Vimlesh Singh	Patent Grant- IOT Based Laser Composite Material Cutting (27-05-2023)
Vimlesh Singh	Appreciation Certificate for giving Expert Talk in Institute of Engineering & Technology Bundelkhand University Jhansi (05-06-2023)

Vimlesh Singh	Expert Talk Delivered in International Virtual Workshop on Research and Publication on Publication Misconduct (06-03-2023 to 08-03-2023)
Vimlesh Singh	Expert Talk in NITTTR Chandigarh in STC on Energy Harvesting & Storage Material & Devices on 13-09-2022 in Online mode
Vimlesh Singh	Faculty Coordinator in Smart India Hackathon 2022 (25-08-2022 to 29-08-2022)
Yogendra Kumar Awasthi	Jury Member in Smart India Hackathon 2022 (25-08-2022 to 29-08-2022)
Pratima Manhas	Resource Person for VLSI Design Training (06-06-2023 to 01-07-2023)
Pratima Manhas	Expert lecture on Fundamentals of IOT and its implementation using Tinker CAD IDE Tool (09-12-2022)

f. FDPs/Workshops/Conferences Attended: 2022-23

Name of Faculty Member	Title	Date from	Date to
Geeta Nijhawan	FDP on VLSI Devices and Circuits for AI Applications	19-09-2022	23-09-2022
Yogendra Kumar Awasthi	FDP on VLSI Devices and Circuits for AI Applications	19-09-2022	23-09-2022
Abhiruchi Passi	FDP on VLSI Devices and Circuits for AI Applications	19-09-2022	23-09-2022
Abhiruchi Passi	FDP on Applications of AI in Electronics Design	20-02-2023	24-02-2023
Abhiruchi Passi	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Abhiruchi Passi	Short Term Course on Research Scope in Electric Vehicles (In collaboration with ANSYS)	05-12-2022	09-12-2022
Abhiruchi Passi	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Vimlesh Singh	FDP on Machine Learning and Predictive Analysis using Python	11-07-2022	15-07-2022
Vimlesh Singh	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Vimlesh Singh	FDP on VLSI Devices and Circuits for AI Applications	19-09-2022	23-09-2022
Vimlesh Singh	FDP on Applications of AI in Electronics Design	20-02-2023	24-02-2023
Vimlesh Singh	NPTEL Online Course Certification on DC Microgrid and Control systems	01-07-2022	01-09-2022
Vimlesh Singh	NPTEL-AICTE FDP on Solar Energy Engineering and Technology	01-07-2022	01-10-2022
Pratima Manhas	FDP on VLSI Devices and Circuits for AI Applications	19-09-2022	23-09-2022

Pratima Manhas	NPTEL Online Certification on Digital System Design	01-01-2023	01-04-2023
Pratima Manhas	NPTEL Online Certification on Digital Circuits	25-07-2022	14-10-2022
Pratima Manhas	FDP on VLSI Design and Development	22-05-2023	26-05-2023
Pratima Manhas	FDP on Applications of AI in Electronics Design	20-02-2023	24-02-2023
Pratima Manhas	FDP on Innovative Technologies for Village Development	30-01-2023	03-02-2023
Pratima Manhas	FDP on MS office and soft skills	18-07-2022	22-07-2022
Jyoti Verma	FDP on VLSI Devices and Circuits for AI Applications	19-09-2022	23-09-2022
Jyoti Verma	FDP on Applications of AI in Electronics Design	20-02-2023	24-02-2023
Prerna Kakkar	FDP on Applications of AI in Electronics Design	20-02-2023	24-02-2023
Prerna Kakkar	FDP on VLSI Devices and Circuits for AI Applications	19-09-2022	23-09-2022
Anand Kumar Singh	FDP on Applications of AI in Electronics Design	20-02-2023	24-02-2023
Anand Kumar Singh	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023
Anand Kumar Singh	NPTEL Online Certification Embedded System Design	23-01-2023	14-04-2023

g. Faculty Research Papers:2022-23

Title of paper	Name of the author/s	Name of Journal	Year of publication
A Review on Reconfigurable Antenna	Geeta Nijhawan	Journal of Optoelectronics Laser	2022-23
A Planar Reconfigurable Antenna for Wideband and Narrowband Applications	Geeta Nijhawan	Journal of Optoelectronics Laser	2022-23
A Comprehensive Study with Challenges of Internet of Things (IoT) based Model for Smart Farming	Jyoti Verma	I.J. Education and Management Engineering	2022-23
Area Efficient Moving Object Detection using Spatial and Temporal Method in FPGA	Geeta Nijhawan	International Journal of Engineering Trends and Technology	2022-23
A Hybrid Approach for Moving Object Detection using Cartoon Features and RPCA-MOG	Geeta Nijhawan	International Journal of Intelligent Engineering and Systems (IJIES)	2022-23

Improved Sense Amplifier Based Flip Flop Design For Low Power And High Data Activity Circuits	Geeta Nijhawan	Journal of Applied Science and Engineering (Taiwan)	2022-23
A Hybrid Approach for Moving Object Detection Using TV-L1 Features and RPCA-MOG RPCA-MOG	Geeta Nijhawan	International Journal of Intelligent Engineering and Systems (IJIES)	2022-23
A solar, thermal, and Piezoelectric Based Hybrid Energy Harvesting for IoT and Underwater WSN Applications	Geeta Nijhawan	International Journal of Sensors Wireless Communications and Control	2022-23
Performance evaluation of microgrid with extreme learning machine based PIDcontroller	Jyoti Verma	Bulletin of Electrical Engineering and Informatics	2022-23
A Miniaturized circularly polarized multiband antenna for wi-max, c-band & X-band applications	Y.K.Awasthi	PIER	2022-23
Proposed multiband fractal monopole antenna for wlan and Wimax application	Y.K.Awasthi	PIER	2022-23
Enhanced chimp optimized self-tuned FOPR controller for battery scheduling using Grid and Solar PV Sources	Jyoti Verma	ELSEVIER Ltd. Journal of Energy Storage	2022-23
Rectangular Microstrip Patch Antenna with Partial Ground Slot and Step for 5-6 GHz IoT Applications	Jyoti Verma	I.J. Wireless and Microwave Technologies	2022-23
A Wideband Circularly Polarized CPW-Fed Diamond Shape Microstrip Antenna for WLAN/WiMAX Applications	Jyoti Verma	PIER	2022-23
Design and analysis of wideband stair step-shaped rectangular ring microstrip antenna with DGS for IoT applications	Y K Awasthi,	International Journal of Online Biomedical Engineering	2022-23
Metasurface Inspired Wideband High Isolation THz MIMO Antenna for Nano Communication including 6G Applications and Liquid Sensors	Y K Awasthi,	Elsevier-Nano Communication Networks	2022-23
RFID Technology for Next Generation: Theory, Design, and Applications	Y K Awasthi	Journal of East China University of Science and Technology	2022-23
Design of 16×100Gbps Free-Space Optical System using Advanced Modulation Techniques	Y K Awasthi	Springer-Journal of Optics	2022-23
Methods of detection of micro-plastic in environment with effect	Anand Kumar Singh	International Journal of Information Communication and Computing Technology	2022-23

Recent Developments in Chemical Doping of Graphene using Experimental Approaches and Its Applications	Prerna Kakkar	Advanced Engineering Materials	2022-23
Ku band metamaterial absorber for stealth applications against Radar and Military Satcom	Vimlesh Singh	PriMera Scientific Engineering	2022-23
A 7T high stable and low power SRAM cell design using QG-SNS FinFET	Umesh Dutta	Elsevier AEU-International Journal of Electronics and Communication	2022-23

h. Book Chapters: 2022-23

Name of the teacher	Title of the book/chapters published	Title of the Paper	Title of the proceedings of the conference /
Ab Wahid Bhat, Abhiruchi Passi	NA	Adaptive Clustering An optimal solution to Hotspot issue in Wireless Sensor Networks	NA
Ab Wahid Bhat, Abhiruchi Passi	NA	WIRELESS SENSOR NETWORK MOTES: A COMPARATIVE SURVEY,	NA
Nilesh B. Nagrale, Pratima Manhas, Shaveta Thakral, Jyoti Verma	NA	Design of broadband DGS based antenna for RMSS application	NA
Sonali Kumari, Y.K .Awasthi, Dipali Bansal	NA	Design of multiband antenna with staircase effect in ground for multiband application	NA
Sonali Kumari, Y.K. Awasthi, Dipali Bansal	NA	Design of Bow-Tie antenna for multiband applications	NA
Gaurav Saxena, Mayank Kumar, Neha Biswas, Prashant Nigam, and Y K Awasthi	NA	Design and Analysis of X-Band Metasurface Absorber for Stealth, EMI Reduction and Energy Harvesting Applications,	NA
Gaurav Saxena, Ram Lal Yadava, Y K Awasthi	NA	High Isolation EBG Based C-Band MIMO Antenna for RADAR Applications	NA
Jyoti Verma, Pratima Manhas	NA	Novel Fuzzy model for network selection in heterogeneous network	NA
Vimlesh Singh, Vani Sadadiwal, Kashish Mahinoo, Devender Sharma & Sarthak Singhal	NA	Triple Band Polarization Independent C- Band Metamaterial Absorber	NA

Umesh Dutta	Django for Everyone	NA	NA
Umesh Dutta	8051 Microcontroller Fundamentals and Programming: Project Based Learning Approach	NA	NA

7. DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

i. Thrust Areas of the Department:

- ❖ Power System Engineering which includes:
 - Power Generation Technology
 - Power System Dynamic and Stability
 - Unit commitment and Pricing
 - Power System Restructuring and Deregulation
 - Wide Area Measurements and Applications
 - HVDC and FACTS
 - AI Techniques and Optimization in Power System
 - Electrical Machines and AC-DC Drives
- ❖ Electric Vehicles:
 - Electrical Vehicular Technologies
 - Battery Technology and Battery Management
 - Grid Interfacing Issues of Electrical Vehicle
- ❖ Smart Grid Technologies and Micro-grids
 - Real-time pricing and Demand Response in Smart Grid Environment
 - Smart Grid Communications
 - Micro – and Nano – Grids, issues and solutions
 - Smart features in Electrical Grid
- ❖ Industrial Automation
 - Programmable logic Controllers
 - SCADA
 - Robotics
 - Servos
 - Variable frequency Drives
- ❖ Renewable Energy Sources
 - Solar Energy
 - Wind Energy
 - Fuel Cell Technology

- ❖ Power electronics & Drives
 - Converter Topologies
 - Power conditioning for Grid interfacing
- ❖ Energy Audit

Academic Achievements

a. Student's Publications: 2022-23

Title of paper	Name of all the author/s	Student Authors	Journal/Conference/Book Title
Cost Efficient Automatic Filling System for Differently Sized Bottles	Jibin Emmanuel Paul, Leena G	Jibin Emmanuel Paul	NA

b. Students benefited by career counseling and guidance for competitive Examinations 2022-23

Activity Description	No. of Participants
Workshop on Basics of PLC	10
In-House Pre-Placement Training	10
Expert Lecture on Smart Grid Analytics	30
Training on GOT 2000	22

c. Faculty members: Awards & Recognitions: 2022-23

Name of Faculty Member	Awards/Recognition
Amit Atri	Certificate of Award- Elite -NPTEL. Certificate Course: DC microgrid and Control systems (July to September 2022)
Richa Adlakha	Patent Grant-IOT Based Laser Composite Material Cutting Machine (27-05-2023)
Ashish Grover	Patent Grant-IOT Based Laser Composite Material Cutting Machine (27-05-2023)
Richa Adlakha	Best Project Award at Advance IDEA lab Faculty Development Program (26-05-2023)
Leena G	Certificate of Award- Elite + Silver Medal for Online Swayam-NPTEL. Certificate Course: Introduction to internet of things (July to October 2022)
Amrinder Kaur	Certificate of Award- Elite -NPTEL. Certificate Course: DC microgrid and Control systems (July to September 2022)
Amrinder Kaur	Patent Grant-IOT Based Laser Composite Material Cutting Machine (27-05-2023)
Amrinder Kaur	Lecture in the One Week International Virtual Faculty Development Program on Research Methods, Tools and Techniques for Multidisciplinary Research Design (24-02-2023)

Anita Khosla	Certificate of Award- Elite + Silver -NPTEL. Certificate Course: DC microgrid and Control systems (July to September 2022)
Amrinder Kaur	Lecture in the One Week International Virtual Faculty Development Program, Shrimati Narsamma Arts, Commerce and Science College, Kiran Nagar, Amravati, Maharashtra State (25-04-2023)
Leena G	Patent Award -Predictive Fault Detection in Grid Connected PV system using Training Based Model (02-09-2022)

d. FDPs attended by Faculty Members: 2022-23

Name of Faculty Member	Title	Date from	Date to
Amit Atri	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Amit Atri	NPTEL Online Course Certification on DC Microgrid and Control systems	01-07-2022	01-09-2022
Amit Atri	NPTEL-AICTE FDP on Recent Advances in Transmission Insulators	01-01-2023	01-02-2023
Amit Atri	NPTEL Online Course Certification on Recent Advances in Transmission Insulators	01-01-2023	01-02-2023
Amit Atri	FDP on Applications of AI in Electronics Design	20-02-2023	24-02-2023
Amit Atri	FDP on Innovative Technologies for Village Development	30-01-2023	03-02-2023
Amrinder Kaur	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Amrinder Kaur	NPTEL Online Course Certification on DC Microgrid and Control systems	01-07-2022	01-09-2022
Amrinder Kaur	FDP on Business and Soft skill Management	19-09-2022	23-09-2022
Amrinder Kaur	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Amrinder Kaur	FDP on Applications of AI in Electronics Design	20-02-2023	24-02-2023
Amrinder Kaur	FDP on Innovative Technologies for Village Development	30-01-2023	03-02-2023
Amrinder Kaur	FDP on Online Learning and Evaluation	20-03-2023	24-03-2023
Anita Khosla	NPTEL Online Course Certification on DC Microgrid and Control systems	01-07-2022	01-09-2022
Anita Khosla	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Anita Khosla	NPTEL Online Course Certification on DC Microgrid and Control systems	01-07-2022	01-09-2022
Anita Khosla	FDP on VLSI Devices and Circuits for AI Applications	19-09-2022	23-09-2022
Ashish Grover	FDP on Machine Learning and Predictive Analysis using Python	11-07-2022	15-07-2022

Ashish Grover	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Ashish Grover	FDP on VLSI Devices and Circuits for AI Applications	19-09-2022	23-09-2022
Ashish Grover	FDP on Earthquake Risk Management	10-10-2022	14-10-2022
Ashish Grover	FDP on Effective Curriculum Implementation	12-12-2022	16-12-2022
Ashish Grover	FDP on Strategic Planning and Management	24-04-2023	28-04-2023
Ashish Grover	NPTTEL Online Course Certification on DC Microgrid and Control systems	01-07-2022	01-09-2022
Leena G	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Leena G	NPTTEL Online Certification Course on Introduction to Internet of Things	01-07-2022	01-10-2022
Leena G	NPTTEL FDP on Introduction to Internet of Things	01-07-2022	01-10-2022
Leena G	ATAL FDP on Idea Lab Basic FDP 4(Hands on training)	19-12-2022	23-12-2022
Neha Chaudhary	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Neha Chaudhary	FDP on Applications of AI in Electronics Design	20-02-2023	24-02-2023
Neha Chaudhary	Mitsubishi Electric India Private Limited Organized Course on IQ-R, IQ-F, SERVO,HMI and Inverter	12-06-2023	16-06-2023
Richa Adlakha	FDP on Machine Learning and Predictive Analysis using Python	11-07-2022	15-07-2022
Richa Adlakha	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Richa Adlakha	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Richa Adlakha	FDP on Earthquake Risk Management	10-10-2022	14-10-2022
Richa Adlakha	FDP on Innovative Technologies for Village Development	16-01-2022	20-01-2022
Richa Adlakha	FDP on Strategic Planning and Management	24-04-2023	28-04-2023
Richa Adlakha	AICTE FDP on Idea Lab Advance Faculty Development Program on Design Thinking	24-05-2023	30-05-2023

e. Events Organized: 2022-23

Title	From Date	To Date
FDP on Energy Harvesting & Storage Materials & Devices	12-09-2022	16-09-2022
International Conference on Renewable Technologies in Engineering	07-10-2022	08-10-2022

f. Faculty Research Papers: 2022-23

Title of Paper	Name of the Author/s	Name of Journal	Year of Publication
Reliability and Availability Optimization of Smart Microgrid Using Specific Configuration of Renewable Resources and Considering Subcomponent Faults	Leena G	Energies	2022-23
Inverter based implementation of maximum power point techniques	Ashish Grover, Richa Adlakha	International Journal of Applied Power Engineering (IJAPE)	2022-23
Smart Home Systems Based on the internet of Things	Vimlesh Singh, Amrinder Kaur	Journal on Mobile Application and Technologies	2022-23
Detection of Parkinson's Disease in Alzheimer's Patients Utilizing Brain Imaging	Amrinder Kaur	Traitement du Signal	2022-23
Cyber Security of Smart Metering Infrastructure Using Median Absolute Deviation Methodology	Anita Khosla,	Security and Communication Networks	2022-23
Comparative Performance Investigation of Genetic Algorithms (GAs), Particle Swarm Optimization (PSO) and Bacteria Foraging Algorithm (BFA) Based Automatic Generation Control (AGC) with Multi Source Power Plants (MSPPs)	Anita Khosla	Electric Power Components and Systems,	2022-23
Robust soft sensor systems for industry: Evaluated through real-time case study	Anita Khosla	Measurement: Sensors	2022-23
Mapping Mindset about Gamification: Teaching Learning Perspective in UAE Education System and Indian Education System	Richa Adlakha	Revue d'Intelligence Artificielle, International Information and Engineering Technology Association	2022-23
Performance Analysis of cooperative spectrum sensing using double dynamic threshold	Neha Chaudhary, Rashima Mahajan	IAES international Journal of Artificial Intelligence	2022-23
Spectrum Sensing using 16-QAM and 32-QAM Modulation Techniques at different SNRs: A Performance Analysis,	Neha Chaudhary, Rashima Mahajan	IAES International Journal of Artificial Intelligence,	2022-23
Secured supply chain management system for fisheries through IoT	Ashish Grover	Measurement: Sensors	2022-23
Grid-Connected Photovoltaic System Stability Enhancement Using Ant Lion Optimized Model Reference Adaptive Control Strategy,	Leena G	Differential Equations and Dynamical Systems	2022-23

Simulation and harmonic analysis of hybrid distributed energy generation based microgrid system using intelligent technique	Anita Khosla	Indonesian Journal of Electrical Engineering and Computer Science	2022-23
Optimization technique for Renewable Energy Storage System for Power Quality Analysis with Connected Grid	Richa Adlakha	International Transactions on Electrical Energy Systems	2022-23
A New Technique of Reduction for the SISO and MIMO System Model for the Compensator Design	Leena G	International Journal of Engineering Trends and Technology, Volume 71 Issue 6, 221-234, June 2023, ISSN: 2231-5381, https://doi.org/10.14445/22315381/IJETT-V71I6P223	2022-23

j. Book Chapters: 2022-23

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference /workshop
Shefali Bansal, Medha Singh, Madhulika Bhaduria and Richa Adlakha	NA	Federated Learning Approach Towards Sentiment Analysis	Conference on Technological Advancements in Computational Sciences" (ICTACS-2022)
Ashish Grover	NA	Detecting Keratoconus using Machine Learning Models	Proceedings of 4th International Conference on Artificial Intelligence and Speech Technology, 2022
Amit Atri, Anita Khosla	NA	19 MWp Solar PV Plant Installation in Educational Institute in Delhi-NCR: A case study	2022 1st International Conference on Sustainable Technology for Power and Energy Systems, STPES 2022, 2022
Amit Atri, Anita Khosla	Renewable Energy Optimization, Planning and Control	Review of Water Electrolysis, Fuel Cells and it's Role in Energy Storage	International Conference on 'Renewable Technologies in Engineering (ICRTE 2022)' in association with Springer
Amit Atri, Anita Khosla and Lalit Prakash	Renewable Energy Optimization, Planning and Control	Power Generation using Municipal Solid Waste: A Review	International Conference on 'Renewable Technologies in Engineering (ICRTE 2022)' in association with Springer
Amit Atri, Anita Khosla	NA	Proposed Solar PV System in Educational Campus in Faridabad, India	7th IEEE International Conference on Recent Advances and Innovations in Engineering, ICRAIE 2022 - Proceedings, 2022, pp. 467-471

Yadav, G., Joshi, D., Leena, G., Soni, M.K.	NA	ANFIS (Adaptive Neuro-Fuzzy Inference System) based on Microgrid's Reliability and Availability	2022 IEEE 10th Power India International Conference, PIICON 2022
Jibin Emmanuel Paul, Leena G	NA	Cost Efficient Automatic Filling System for Differently Sized Bottles	International Conference on Recent Trends in Microelectronics, Automation, Computing and Communication Systems
Geeta Yadav, Dheeraj Joshi, Leena G. and M. K. Soni	Optimization Techniques in Engineering: Advances and Applications, (115–138) © 2023 Scrivener Publishing LLC	Application of Genetic Algorithm in Sensor Networks and Smart Grid	NA
Richa Adlakha, Ashish Grover, Anita Khosla	Renewable Energy Optimization, Planning and Control	Design and Modeling of Water Pumping System for Irrigation	International Conference on 'Renewable Technologies in Engineering (ICRTE 2022)' in association with Springer
Amit Atri, Anita Khosla	Lecture Notes in Electrical Engineering	Solar Photovoltaic Installation in Eight Educational Institutions in District Faridabad: A Case Study	NA
Amit Atri, Anita Khosla	Materials Today: Proceedings	Installation of Solar Photovoltaic and Biomass Based Hybrid power system in Delhi- NCR: A Case Study	Materials Today: Proceedings
Amrinder Kaur	Wiley-Scrivener	Study on Application of Photonic Metamaterial	Electromagnetic Metamaterials: Properties and Applications
Karthika Krishnakumar Ashish Grover, Pardeep Kumar	NA	Device Simulation of PTB7:PC70BM based Plastic Solar Cells using OghmaNano Software	2023 IEEE IAS Global Conference on Renewable Energy and Hyogen Technologies, GlobConHT 2023, 2023
Kamad Saxena, Ishani Kathuria, Madhulika Bhatia, Anchal Garg & Ashish Grover	Lecture Notes in Electrical Engineering (LNEE, volume 1001) Springer	Applications of Deep Learning in Healthcare: A Systematic Analysis	Proceedings of International Conference on Recent Innovations in Computing

8. DEPARTMENT OF MECHANICAL ENGINEERING

i) Thrust Areas of the Department:

- ❖ Additive Manufacturing & Robotics
- ❖ Unconventional Machining
- ❖ Metal Cutting and Tool Wear
- ❖ Biomechanics
- ❖ Energy Management and Analysis
- ❖ Mechanical Design Analysis
- ❖ Quality Control and TQM

ii) Academic Achievements:

a. Student's Publications: 2022-23

Title of Paper	Name of all the author/s	Student Authors	Journal/Conference /Book Title
To study and develop the mathematical models to review the properties of synovial fluids	Jai Chimmwal, Piyush Jangid, Deepak Kumar, Vijay Kumar, Rajender Kumar	Jai Chimmwal, Piyush Jangid	Material Today Proceeding
An explanatory study on defects in plastic molding parts caused by machine parameters in injection molding process	Ankush Mourya, Arshit Nanda, Kartik Parashar, Sushant, Rajender Kumar	Ankush Mourya, Arshit Nanda, Kartik Parashar	Material Today Proceeding
Investigation of Microstructures of the CBN Tools During Continuous and Interrupted Hard Turning	Akash Majeed, Manoj Nayak, Rakesh Sehgal	Akash Majeed	NA
Identification and Ranking to the Barrier Associated to Green Manufacturing in Indian Context	Sarthak Sharma, Rajender Kumar, Manoj Nayak	Sarthak Sharma	NA
Comparative Analysis of 2 Degree of freedom in Robots	Naman Rajput, Harshit Madan, Harsh Tanwar, YashJindal, Jimmy Mehta	Naman Rajput, Harshit Madan, Harsh Tanwar, YashJindal	International journal of Advances in Engineering and Management (IJAEM)
Comparative Analysis of AISI 10B21 app Licable for Fasteners	Riya Rawat, Rohit Sharma, Asimul Haque, Vishal Sharma, Seema Mahto and Jimmy Mehta	Riya Rawat, Rohit Sharma, Asimul Haque, Vishal Sharma	Medicon Engineering Themes
Advances in Synthesis and Characterization of CNT Reinforced Metal Matrix Composites	Garvit Kumar, Anirudh Sharma, Bhavish Sharma, Prateek Mittal	Garvit Kumar, Anirudh Sharma, Bhavish Sharma	Lecture Notes in Mechanical Engineering (Conference Proceedings)

Parametric Study of Abrasive Jet Machining on Zirconia	Nischal Thapa, Guransh Singh, Sidharth Ram, Ashish, Aman Kumar and Basanta Kumar Bhuyan	Nischal Thapa, Guransh Singh, Sidharth Ram, Ashish, Aman Kumar	Materials Today: Proceedings
Theoretical Comparison of Properties and Their Characteristics Features for Additive Manufactured Metal and Ceramic Structures	Utkarshika Chandra, Rajesh Kumar Porwal, Sanjay Mishra, Basanta Kr Bhuyan	Utkarshika Chandra	Recent Advances in Materials Processing and Characterization, Lecture Notes in Mechanical Engineering
Experimental study and recent scope on drilling Electrochemical Discharge Machining process: A Review	Gaurav Yadav, Riya Choudhary, Himanshu Bhardwaj, and B. K. Bhuyan	Gaurav Yadav, Riya Choudhary, Himanshu Bhardwaj	NA

b. Student progression to higher education during the year: 2022-23

Name of students enrolled for higher education	Graduated from which Programme	Name of Institution joined	Admitted to (Name of Programme)
Arpit Arora	B.Tech. - Mechanical Engineering	Amrita Vishwa Vidyapeetham	M.Tech in Engineering Design
Jatin Pratap Singh	B.Tech. - Mechanical Engineering	DAV Centenary College	Master of Business Administration
Sanskar Saxena	B - Tech Mechanical Core	Hindustan Institute of Maritime Training	Graduate Marine Engineering

c. Students benefited by career counseling and guidance for competitive Examinations: 2022-23

Activity Description	No. of Participants
Automotive Engineering and Green Logistic. Future starts now and Robotics and its prospects	55
Successful Career Planning, Higher Education & Technical Profile Building	45
Awareness Program on Manufacturing Entrepreneurship crucial for 'Make in India' From India to New India	36
Workshop on " CREO-PARAMETRIC" Software	12
Green India Hackathon-Sensitization of event	40
Green India Hackathon	16

d. Faculty members: Awards & Recognitions: 2022-23

Name of Faculty Member	Awards/Recognition
Basanta Kumar Bhuyan	Expert Talk on Introduction to Electrochemical Spark Machining Process in the FDP on Advances in Manufacturing Technologies (13-01-2023)
Jimmy Mehta	NPTEL Online Certification on Metal Additive Manufacturing Processes (31-10-2022)
Basanta Kumar Bhuyan	NPTEL Online Certification on Metal Additive Manufacturing Processes (31-10-2022)
Rajender Kumar	Training Course on Occupational Health and Safety Management System Lead Auditor (06-11-2022)
Rajender Kumar	Resource Person- FDP on Digital Supply Chains and Logistics 4.0 for Sustainable Future 14-11-2022 to 25-11-2022)
Rajender Kumar	ISO21001:2018-Internal Auditor International Standard for Management Systems for Educational Organizations-EOMS (23-11-2022)
Virender Narula	ZED Accessor (25-11-2022)
Rajender Kumar	Session Chair in the International Conference on Advance in material Science and Technology (ICAMST-2022) (25-11-2023 to 26-11-2023)
Basanta Kumar Bhuyan	Chaired-Technical Session at the Conference of Vijnana Parishad of India (VPI) (IC-RA-CMAS-2022) (03-12-2022)
Rajender Kumar	ZED Accessor (13-01-2023)
Rajender Kumar	Expert Lecture on Lean in Business Model on Online One Week Short Term Course on Skill Development for Employment Generation in India (24-04-2022 to 28-04-2023)
Pankaj Shakkarwal	Certificate of Appreciation for Advance FDP for IDEA Labs on Design Thinking (30-05-2023)
Basanta Kumar Bhuyan	Reviewer International Journal on Interactive Design and Manufacturing (03-06-2023)
Jimmy Mehta	Young Researcher Award 2023 (15-06-2023)
Jimmy Mehta	Keynote Speaker in the National Level World Record Webinar Series (Coating for Specific Tribological Applications) (18-06-2023)
Sunny Bhatia	Recognition as Invited session chair at 2nd International Conference on Computational Modelling, Simulation and Optimization held (23-06-2023 to 25-06-2023)
Jimmy Mehta	Keynote Speaker in the National Level World Record Webinar Series Revolutionizing Manufacturing: Exploring Additive Manufacturing Technique (13-07-2023)
Rajender Kumar	Young Personality of the year 2022

e. FDPs attended by Faculty Members: 2022-23

Name of Faculty Member	Title of FDP/Workshop/Conference	Date From	Date to
Manoj Nayak	FDP on Business and soft skill management	19-09-2022	23-09-2022
Manoj Nayak	ATAL FDP on Idea Lab Basic FDP 4 (Hands on training)	19-12-2022	23-12-2022

Manoj Nayak	FDP on Big Data Applications in Electrical Engineering	20-02-2023	24-02-2023
Manoj Nayak	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Basanta K Bhuyan	ASME International Mechanical Engineering Congress and Exposition, Columbus, Ohio, USA	30-10-2022	03-11-2022
Basanta K Bhuyan	FDP on Business and soft skill management	19-09-2022	23-09-2022
Basanta K Bhuyan	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Basanta K Bhuyan	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Basanta Kr. Bhuyan	NPTEL-AICTE FDP on Advanced Machining Processes	01-08-2022	01-10-2022
Virender Narula	FDP on Business and soft skill management	19-09-2022	23-09-2022
Rajender Kumar	FDP on Business and soft skill management	19-09-2022	23-09-2022
Rajender Kumar	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Rajender Kumar	Training course on Lead Auditor ISO 45001 (Occupational Health & Safety Management systems)	29-10-2022	06-11-2022
Rajender Kumar	FDP on Earthquake Risk Management	10-10-2022	14-10-2022
Rajender Kumar	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023
Rajender Kumar	FDP on Business Analytics with Interactive Live Dashboard	28-02-2023	04-03-2023
Dinesh Chawla	FDP on Metal Additive Manufacturing	01-07-2022	01-10-2022
Dinesh Chawla	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Dinesh Chawla	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023
Dinesh Chawla	FDP on Business and Soft Skill Management	19-09-2022	23-09-2022
Sushant	FDP on Business and Soft Skill Management	19-09-2022	23-09-2022
Sushant	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Sushant	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023

Prateek Mittal	FDP on Business and Soft Skill Management	19-09-2022	23-09-2022
Prateek Mittal	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Dain D Thomas	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Dain D Thomas	FDP on Business and Soft Skill Management	19-09-2022	23-09-2022
Pankaj Shakarwal	FDP on Earthquake Risk Management	10-10-2022	14-10-2022
Pankaj Shakarwal	FDP on Business and Soft Skill Management	19-09-2022	23-09-2022
Pankaj Shakarwal	FDP on Design Thinking for AICTE-Idea Lab	24-05-2023	30-05-2023
Vinay	FDP on Business and Soft Skill Management	19-09-2022	23-09-2022
Vinay	FDP on Earthquake Risk Management	10-10-2022	14-10-2022
Sunny Bhatia	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023
Jimmy Mehta	FDP on Business and Soft Skill Management	19-09-2022	23-09-2022
Jimmy Mehta	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Jimmy Mehta	FDP on Project Based Learning: International Perspective	04-07-2022	09-07-2022
Jimmy Mehta	NPTEL FDP on Metal Additive Manufacturing	01-07-2022	01-10-2022
Jimmy Mehta	NPTEL-AICTE Online Certification Course on Surface Engineering of Nanomaterials	01-01-2023	01-03-2023
Jimmy Mehta	FDP on Effective Curriculum Implementation	12-12-2022	16-12-2022
Jimmy Mehta	FDP on Innovative Technologies for Village Development	30-01-2023	03-02-2023
Jimmy Mehta	FDP on Low-Cost Housing Technique and Practices (Cluster)	13-03-2023	17-03-2023

f. Events Organized: 2022-23

Title	From Date	To Date
STC on Business and Soft Skill Management	19-09-2022	23-09-2022
FDP on Leadership and Management Development	09-01-2023	13-01-2023

g. Faculty Research Papers: 2022-23

Title of Paper	Name of the Author/S	Name of Journal	Year of Publication
Synthesis and Characterization of Al-Mg-Si Alloy based Hybrid Composite Reinforced with SiC and Graphite	Dinesh Chawla	Journal of Polymer and Composite	2022-23
Comparative Studies on Aluminum Metal Matrix Hybrid Composite Reinforced with different Particle size of Silicon Carbide and Graphite	Dinesh Chawla	European Chemical Bulletin	2022-23
An explanatory study on defects in plastic molding parts caused by machine parameters in injection molding process	Sushant	Material Today Proceeding	2022-23
Bio composites: Prospects and Manifold Applications for Human and Environmental Sustainability	Jimmy Mehta	ECS Journal of Solid-State Science and Technology	2022-23
Synergistic reinforcement of nanofillers in bio composites developed by additive manufacturing techniques	Jimmy Mehta	Biomass Conversion and Biorefinery	2022-23
Comparative Analysis of AISI 10B21 app Liable for Fasteners	Jimmy Mehta	Medicon Engineering Themes	2022-23
Comparative Analysis of 2 Degree of freedom in Robots	Jimmy Mehta	International journal of Advances in Engineering and Management (IJAEM)	2022-23
Parametric Optimization and Experimental Modelling of AWJ Machining of GFRP Composite	Basanta Kumar Bhuyan	International Journal of Materials Engineering Innovation	2022-23
Abrasive water jet machining of glass fibre reinforced polymer composite: experimental investigation, modelling and optimization	Basanta Kumar Bhuyan	International Journal on Interactive Design and Manufacturing (IJIDeM)	2022-23
Influence of process parameters on kerf properties of GFRP with abrasive water jet machining	Basanta Kumar Bhuyan	International Journal of Materials Engineering Innovation	2022-23
Influence of process parameters on delamination of GFRP with abrasive water jet machining	Basanta Kumar Bhuyan	Materials Today: Proceedings	2022-23
Parametric Study of Abrasive Jet Machining on Zirconia	Basanta Kumar Bhuyan	Materials Today: Proceedings	2022-23
Optimization of process parameters for machining defects of Glass Fibre Reinforced Polymer composite machined by AWJM	Basanta Kumar Bhuyan	Materials Today: Proceedings	2022-23

h. Book Chapters: 2022-23

Name of the teacher	Title of the book / chapters published	Title of the paper	Title of the proceedings of the conference
Manoj Nayak	NA	Investigation of Microstructures of the CBN Tools During Continuous and Interrupted Hard Turning	NA
Manoj Nayak	Chapter: Synthesis and Analysis of Digital IIR Filters for Denoising ECG Signal on FCGA Platform	NA	NA
Manoj Nayak	Chapter: Integration of IOT and 5G Communication	NA	NA
Basanta K Bhuyan	NA	Development of a Predictive Model and Optimization for the Kerf Properties and Delamination Length in AWJM of Kevlar Epoxy Composite	NA
Basanta K Bhuyan	NA	Theoretical Comparison of Properties and Their Characteristics Features for Additive Manufactured Metal and Ceramic Structures	Recent Advances in Materials Processing and Characterization, Lecture Notes in Mechanical Engineering
Rajender Kumar	Imperatives Associated with Women's Participation in Entrepreneurial Activities	NA	CRC Press
Sushant and Dinesh Chawla	Lean in Business Models: Way to Go for Entrepreneurial Journey in Industry 4.0 Context	NA	CRC Press
Rajender Kumar	Principles of Entrepreneurship in the Industry 4.0 Era	NA	CRC Press
Rajender Kumar	Applications of Artificial Intelligence and Machine Learning Using Additive Manufacturing Techniques	NA	CRC Press

9. DEPARTMENT OF APPLIED SCIENCE

i) Thrust Areas of the Department:

- ❖ Material Science
- ❖ Plasma Physics
- ❖ Nanotechnology
- ❖ Polymer Fibers
- ❖ Noise Pollution
- ❖ Synthetic Organic Chemistry
- ❖ Colloidal Chemistry
- ❖ Corrosion Studies and Water Purification.
- ❖ Bio-mathematics
- ❖ Fluid Dynamics
- ❖ Fuzzy Theory
- ❖ Decision Sciences
- ❖ Fixed Point Theory
- ❖ Numerical Analysis

ii) Academic Achievements:

a. Student's Publications: 2022-23

Title of Paper	Name of all the author/s	Student Authors	Journal/Conference /Book Title
Biomedical process: A review on removal of Fluoride from Wastewater	Sahil Sharma, Alifia Ibkar, Danish, Neha Sharma, Kashish, Manmath Orasad, Kamil khan, P. Rajput, Anupama. Rajput	Sahil Sharma, Alifia Ibkar, Danish, Neha Sharma, Kashish, Manmath Orasad, Kamil khan, P. Rajput, Anupama. Rajput	Ecology, Environment and Conservation
Analysis of Contamination of Soil by Sensor Monitoring Systems: A Green Technology	Manvi Bajaj, Preksha Swami, Anshita Singla, Jyoti Chawla, Shagufta Jabin	Manvi Bajaj, Preksha Swami, Anshita Singla	Ecology, Environment and Conservation
Removal of Organic and Inorganic Contaminants from Water by chemical and biological techniques. - A Review	Nikita Singh, Nimisha Keshan, Taranpreet Kaur, Rajeev Kumar and Shagufta Jabin	Nikita Singh, Nimisha Keshan, Taranpreet Kaur	Ecology, Environment and Conservation
Covid-19 analysis: A critique of a paper by Q. Lin	Bhanu Sharma, Pooja Khurana, and Deepak Kumar	Bhanu Sharma	AIP Conference Proceedings

N-substituted 2-sulfanylacetamide Prunus armeniaca: Synthesis, Characterization, and 2 Adsorption studies for As (III) remediation	Madhvi Nayyar, Jyoti Chawla & Rajeev Kumar	Madhvi Nayyar	Russian Journal of Applied Chemistry
Utilization of Punica Granatum capillary membrane for removal of arsenic trivalent ions from aqueous medium "Desalination and Water Treatment	Madhvi Nayyar, Rajeev Kumar, Jyoti Chawla	Madhvi Nayyar	Desalination and Water Treatment
Solution of constrained problems using particle swarm optimization	Kumari, S., Khurana, P., Singla, S., Kumar, A.	Sunita Kumari	International Journal of System Assurance Engineering and Management this link is disabled
Performance of dye-sensitized solar cells extracted dye from wood apple leaves	Alhorani, S., Kumar, S., Genwa, M., Meena, P.L.	Alhorani, S.	Journal of Physics Communications
Particle swarm optimization for constrained cost reliability of rubber plant	Sunita Kumari, Shakuntla Singla & Pooja Khurana	Sunita Kumari	Life Cycle Reliability and Safety Engineering
Development and characterization of N-substituted derivative of 2-sulfanylacetamide on Phyllanthus emblica seed coat as novel adsorbent for remediation of As(III) from water	Madhvi Nayyar, Rajeev Kumar, Jyoti Chawla	Madhvi Nayyar	Water Practice and Technology

b. Students benefited by career counseling and guidance for competitive Examinations: 2022-23

Activity Description	No. of Participants
Science Carnival	150
National Mathematics Day	147

c. FDPs / Workshops / Conferences Attended by Faculty members: 2022-23

Name of Faculty Member	Title of FDP/Workshop/Conference	Date from	Date to
Pooja Khurana	Online FDP on Inculcating Universal Human Values in Technical Education	03-04-2023	07-04-2023
Pooja Khurana	Online Course on Nonlinear Dynamics and Applications	13-02-2023	16-02-2023
Arti Saxena	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023
Anupama Rajput	FDP on Low Cost Housing Technique and Practices (Cluster)	13-03-2023	17-03-2023
Jyoti Chawla	Short Term Course on Smart Materials and Nanotechnology through ICT	17-10-2022	21-10-2022
Jyoti Chawla	FDP on Low Cost Housing Technique and Practices (Cluster)	13-03-2023	17-03-2023
Kapil Gupta	FDP on Innovative Technologies for Village Development	30-01-2023	03-02-2023
Arti Saxena	FDP on Innovative Technologies for Village Development	30-01-2023	03-02-2023
Pooja Khurana	FDP on Innovative Technologies for Village Development	30-01-2023	03-02-2023
Deepak Kumar	FDP on Innovative Technologies for Village Development	30-01-2023	03-02-2023
Usha Chahal	FDP on Innovative Technologies for Village Development	30-01-2023	03-02-2023
Sandeep Srivastava	FDP on Innovative Technologies for Village Development	30-01-2023	03-02-2023
Rajeev Kumar	FDP on Innovative Technologies for Village Development	30-01-2023	03-02-2023
Anupama Rajput	FDP on Innovative Technologies for Village Development	30-01-2023	03-02-2023
Jyoti Chawla	FDP on Innovative Technologies for Village Development	30-01-2023	03-02-2023
Sandeep Srivastava	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Anupama Rajput	Short Term Course on Smart Materials and Nanotechnology through ICT	17-10-2022	21-10-2022
Kapil Gupta	Short Term Course on Smart Materials and Nanotechnology through ICT	17-10-2022	21-10-2022
Sandeep Srivastava	Short Term Course on Smart Materials and Nanotechnology through ICT	17-10-2022	21-10-2022
Rajeev Kumar	Short Term Course on Smart Materials and Nanotechnology through ICT	17-10-2022	21-10-2022
Usha Chahal	FDP on Data Science using Python	10-10-2022	14-10-2022
Anupama Rajput	FDP on Earthquake Risk Management	10-10-2022	14-10-2022
Rajeev Kumar	FDP on Earthquake Risk Management	10-10-2022	14-10-2022
Kapil Gupta	FDP on VLSI Devices and Circuits for AI Applications	19-09-2022	23-09-2022
Sandeep Srivastava	FDP on VLSI Devices and Circuits for AI Applications	19-09-2022	23-09-2022

Rajeev Kumar	Short Term Course on Smart Materials and Nanotechnology through ICT	17-10-2022	21-10-2022
Usha Chahal	FDP on Data Science using Python	10-10-2022	14-10-2022
Anupama Rajput	FDP on Earthquake Risk Management	10-10-2022	14-10-2022
Rajeev Kumar	FDP on Earthquake Risk Management	10-10-2022	14-10-2022
Kapil Gupta	FDP on VLSI Devices and Circuits for AI Applications	19-09-2022	23-09-2022
Sandeep Srivastava	FDP on VLSI Devices and Circuits for AI Applications	19-09-2022	23-09-2022
Usha Chahal	FDP on VLSI Devices and Circuits for AI Applications	19-09-2022	23-09-2022
Rajeev Kumar	FDP on VLSI Devices and Circuits for AI Applications	19-09-2022	23-09-2022
Anupama Rajput	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Kapil Gupta	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Sandeep Srivastava	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Sarvesh Kumar	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Sandeep Srivastava	FDP on Advances In Analytical Techniques	25-07-2022	30-07-2022
Deepak Kumar	FDP on Project Based Learning: International Perspective	04-07-2022	09-07-2022
Neeraj Kumari	FDP on Business and Soft Skill management	19-09-2022	23-09-2022
Neeraj Kumari	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Vijay Kumar	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023
Deepak Kumar	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023
Shagufta Jabin	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Shagufta Jabin	FDP on Earthquake Risk Management	10-10-2022	14-10-2022

d. Events organized: 2022-23

Title	From Date	To Date
6th International Conference of Vijnana Parishad of India on Recent Advances in Computational Mathematics and Applied Sciences	09-12-2022	11-12-2022

e. Faculty Research Papers: 2022-23

Title of Paper	Name of Authors	Name of Journal	Year of Publication
A study on effect of Performance Appraisal and Training & Development Practices on Employees' Performance in the Higher Educational Institutions	Neeraj Kumari	Journal of the Asiatic Society of Mumbai	2022-23
Empirical Study on Work-Life Conflicts Experienced by Women Educators which Influence Work-Life Balance	Neeraj Kumari	NeuroQuantology	2022-23
A Study of Work Life Balance of Women Educators Working in Higher Education	Neeraj Kumari	International Journal of Food and Nutritional Science (IJFANS)	2022-23
Influence of social media advertising, e-marketing and product quality on consumer purchase behavior with reference to cosmetics	Neeraj Kumari	Journal of management and entrepreneurship	2022-23
Plastic Pollution & its impact on Environment	Anupama Rajput	Ecology, Environment and Conservation	2022-23
Bioremedial process: A review on removal of Fluoride from Waste Water	Anupama Rajput	Ecology, Environment and Conservation	2022-23
Analysis of Contamination of Soil by Sensor Monitoring Systems: A Green Technology	Jyoti Chawla and shagufta Jabin	Ecology, Environment and Conservation	2022-23
Removal of Organic and Inorganic Contaminants from Water by chemical and biological techniques.- A Review	Rajeev Kumar and shagufta Jabin	Ecology, Environment and Conservation	2022-23
Revisiting the modern approach to manage agricultural solid waste: an innovatives solution	Shagufta Jabin	Environment, Developement & Sustainability	2022-23
Synthesis and characterization of polyamine-based polyelectrolytes for wastewater treatment in the sugar industry	Shagufta Jabin	Journal of Molecular Structure	2022-23
Effectiveness of Exploring the various waste materials in enhancing concrete performance: A Comprehensive Review	Shagufta Jabin	European Chem Bulletin	2022-23

VlseKriterijumska Optimizacija I Kompromisno Resenj (VIKOR) Method: MCDM Approach for the Medical Diagnosis of Vector-Borne Disease	Vijay Kumar	Journal of Computational and Cognitive Engineering	2022-23
Study of the effect of annealing and irradiation of high energy ions on vanadium oxide thin films	Kapil Gupta	Rasayan Journal of Chemistry	2022-23
Mathematical Model for Analysing Availability of Threshing Combine Machine Under Reduced Capacity.	Pooja Khurana	Yugoslav Journal of Operations Research	2022-23
Covid-19 analysis: A critique of a paper by Q. Lin	Pooja Khurana	AIP Conference Proceedings	2022-23
Steganography using Various Security Methods	Usha and and Suhail Javed Quraishi	TELEMATIQUE	2022-23
N-substituted 2-sulfanyl acetamide Prunus armeniaca: Synthesis, Characterization, and 2 Adsorption studies for As(III) remediation	Jyoti Chawla	Russian Journal of Applied Chemistry	2022-23
Utilization of Punica Granatum carpellary membrane for removal of arsenic trivalent ions from aqueous medium"Desalination and Water Treatment	Rajeev Kumar	Desalination and Water Treatment	2022-23
Performance of dye-sensitized solar cells extracted dye from wood apple leaves	Sarvesh Kumar	Journal of Physics Communications	2022-23
Intuitionistic Trapezoidal Fuzzy based Aggregation Operator: Applications in Medical Diagnosis	Vijay Kumar	MR International Journal of Engineering and Technology	2022-23
Fixed Point Theorems of Fuzzy Partial Metric Spaces	Vijay Kumar	TWMS Journal of Applied and Engineering Mathematics	2022-23
Development and characterization of N-substituted derivative of 2-sulfanyl acetamide on Phyllanthus emblica seed coat as novel adsorbent for remediation of As(III) from water	Jyoti Chawla	Water Practice and Technology	2022-23

Solution of constrained problems using particle swarm optimization	Pooja Khurana	International Journal of System Assurance Engineering and Management This link is disabled	2022-23
Particle swarm optimization for constrained cost reliability of rubber plant	Pooja Khurana	Life Cycle Reliability and Safety Engineering	2022-23
Internet of Medical Thing and FIS Evaluation for Selecting and Delivering the best Health Insurance Coverage	Deepak Kumar	JOURNAL OF PHARMACEUTICAL NEGATIVE RESULTS	2022-23
To study and develop the mathematical models to review the properties of synovial fluids	Deepak Kumar	Materials Today: Proceedings	2022-23
A Two-Layered Model of Blood Flow for Stenosed Artery along with the Peripheral Layer	Deepak Kumar	Series on Biomechanics,	2022-23
Empirical Study On Design And Development Of Hand-Crafted Footwear	Deepak Kumar	International Journal of Experimental Research and Review	2022-23
Plasticizer effects on PVA-doped mixed-ion composite polymer electrolytes	Sandeep Srivastava	Polymer Bulletin, Springer Nature	2022-23

f. Book Chapters: 2022-23

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference
Arti Saxena	Advancing Computational Intelligence Techniques for Security Systems Design Chapter 4: IoT-Tangle Enhanced Security Systems	NA	NA
Deepak Kumar and Pooja Khurana	NA	Covid-19 analysis: A critique of a paper by Q. Lin	NA
Deepak Kumar and Pooja Khurana	A Computational Model Approach for a Lifestyle Disorder: Hypertension	NA	NA

Deepak Kumar, Pooja Khurana	NA	Computational model of SIR and Age- Dependent Epidemic Disease	NA
Deepak Kumar	NA	Application of Genetic Algorithm to optimize the Age-wise and Gender-wise growth of diabetes population in India	NA
Deepak Kumar	Mathematical Models on Diabetes Mellitus and its complications	NA	NA
Anupama Rajput	Advanced polymeric Materials for Aerospace Applications"	NA	NA
Shagufta Jabin	Nanocomposites for the removal of pharmaceuticals in inking water sources	NA	NA
Shagufta Jabin	Ionic liquids as valuable assets in extraction techniques	NA	NA

Details of Board of Faculty and Board of Studies are tabulated below:

Board of Faculty			
1	Dr. Pardeep Kumar	Professor & PVC	Chairman &
2	Dr. Charu Virmani	Professor & Head-CSE	Member
3	Dr. Tapas Kumar	Professor & Head-CSE(Spl)	Member
4	Dr. Devendra Vashisht	Professor & Head-Auto & Aero	Member
5	Dr. Leena G.	Professor & Head-EEE	Member
6	Dr. Sunita Bansal	Professor & Head-Civil	Member
7	Dr. Abhiruchi Passi	Professor & Head-ECE	Member
8	Dr. Manoj Nayak	Professor & Head-Mech	Member
9	Dr. Manu Solanki	Professor & Head -BT	Member
10	Dr. Arunangshu	Professor & Head-Environmental Sciences	Member
11	Dr. Vijay kumar	Professor & Head-Applied Sciences	Member
12	Dr. Sarita Sachdeva	Professor-BT	Member
13	Dr. Supriya Panda	Professor-CSE	Member
14	Dr. Anita Khosla	Professor-EEE	Member
15	Dr Y K Awasthi	Professor - ECE	Member
16	Dr. Basant Kumar	Professor-Mech	Member
17	Dr. Anupama Rajput	Professor-Applied Sciences	Member
18	Dr. Anjali Gupta	Professor, Civil	Member

19	Dr Ramesh Kumar Sahoo	Associate Professor CSE	Member
20	Dr. Kapila Kumar	Associate Professor BT	Member
21	Ms. Shweta Sharma	Asst Professor- CSE	Member
22	Dr Jimmy Mehta	Assistant Professor Mech	Member
23	Dr. Naresh Grover	PVC & Dean	Special
24	Dr. Geeta Nijhawan	Professor & Associate Dean	
25	Dr. T.V.Vijay Kumar	Professor, JNU	External
26	Sh. Sushil Chandra	Sr Consultant, TCS	External

Board of Studies

Department of Applied Sciences

1	Dr. Vijay Kumar	Professor & Head	Chairperson
2	Dr. Pardeep Kumar	PVC & Dean-FET, MRIIRS	Member
3	Dr. Jyoti Chawla	Associate Dean Academics, MRIIRS	Member
4	Dr. Anupama Rajput	Professor	Member
5	Dr. Deepak Kumar	Professor	Member
6	Dr. Shagufta Jabin	Professor	Member
7	Dr. Sarvesh Kumar	Associate Professor	Member
8	Dr. Kapil Gupta	Associate Professor	Member
9	Dr. Sandeep Srivastava	Associate Professor	Member
10	Ms. Usha Chahal	Assisrtant Professor	Member
11	Dr. P.K. Bhatnagar	Professor Emeritus, Dept. of Electronic Science, Delhi	External
12	Dr. Vikas Bhardwaj	Sr. Scientist, NCEGR, Geological Survey of India,	External
13	Dr. Ruchi Gupta	Assistant Professor, Manav Rachna University,	External

Department of Aeronautical Engineering

1	Air. Cmde. Devender	Prof & Head	Chairman
2	Mr. Vishal Antil	Assistant Professor	Member
3	Mrs. Sabiha Parveen	Assistant Professor	Member
4	Dr. Virender Narula	Professor	Member
5	Col. Sachin Marwah	Associate Professor	Member
6	Ms. Sonali Gupta	Assistant Professor	Member
7	Dr. R.S. Tarnacha	Professor, Amity University	External
8	Dr. Balraj Gupta	Director, Aerial Delivery Research & Development	External

Department of Automobile Engineering

1	Dr. Devendra Vashist	Professor & Head	Chairman
2	Dr. Virender Narula	Professor	Member
3	Dr. Dev Dutt	Associate Professor	Member
4	Mr. Sunny Bhatia	Assistant Professor	Member
5	Mr. Gurpreet Singh	Assistant Professor	Member
6	Mr. Sagar Maji	Professor, DTU, Delhi	External
7	Mr. Sharad Pradhan	General Manager, CSR, Honda	External

Department of Biotechnology			
1	Dr. Manu Solanki	Professor, BT	Chairman
2	Dr. Sarita Sachdeva	Professor, BT	Member
3	Dr. Abhilasha Shourie	Professor, BT	Member
4	Dr. Sabiha Imran	Professor, BT	Member
5	Dr. Nidhi Didwania	Professor, BT	Member
6	Dr. Rashmi Rameshwari		Member
7	Dr. Kanchan Bhardwaj	Associate Professor, BT	Member
8	Dr. Kapila Kumar	Assistant Professor	Member
9	Dr. Jayant Maini	Assistant Professor	Member
10	Dr. Arif Ali	Professor, Biotechnology, Jamia Milia, New Delhi	External
11	Dr. Neera Kapoor	Professor, School of Life Sciences, IGNOU, New Delhi	External

Department of Civil Engineering			
1	Dr. Sunita Bansal	Professor & HOD	Chairman
2	Dr. Sadiqa Abbas	Professor	Member
3	Dr. Anjali Gupta	Professor	Member
4	Dr. Dev Dutt	Associate Professor	Member
5	Mr. Aftab Alam	Assistant Professor	Member
6	Mr. Yaman Hooda	Assistant Professor	Member
7	Dr. Anil Sahu	Professor, Deptt. of Civil Engineering, Delhi	External
8	Dr. Krishan Mohan	Former Director General, National Council for Cement	External

Department of Computer Science Engineering			
1	Dr. Charu Virmani	Professor & Chairperson	Chairman
2	Dr. Tapas Kumar	Professor & Associate Dean-FET	Member
3	Dr. Brijesh Kumar	Professor & Dean Academics	Member
4	Dr. Rashima Mahajan	Professor & Director IQAC	Member
5	Dr. Kamlesh Sharma	Professor & Associate Dean Academics	Member
6	Dr. Suresh Kumar	Professor	Member
7	Dr. Indu Kasyap	Professor	Member
8	Dr. Supriya P. Panda	Professor	Member
9	Dr. Kamlesh Sharma	Professor	Member
10	Dr. Poonam Tanwar	Professor	Member
11	Dr. Poonam Chahal	Professor	Member
12	Dr. Meeta Singh	Professor	Member
13	Dr. Deepa Bura	Professor	Member
14	Ms. Rachna Bhel	Associate Professor	Member
15	Dr. Ramesh Chandra	Associate Professor	Member
16	Ms. Meghna Luthra	Assistant Professor	Member
17	Ms. Pronika	Assistant Professor	Member
18	Dr. Arun Sharma	Professor & Dean, Indira Gandhi Technical University	External
19	Ms. Nivedita	Cloud Specialist, Microsoft	External
20	Dr. Vikram Goyal	Professor, IIIT, Delhi	External

Department of Mechanical Engineering			
1	Dr. Manoj Nayak	Professor & Head	Chairman
2	Dr. Virender Narula	Professor	Member
3	Dr. Basant Bhuyan	Professor	
4	Mr. Joydeep Chakraborty	Associate Professor	Member
5	Dr. Devdutt	Associate Professor	Member
6	Dr. Rajender Kumar	Asst. Professor	Member
7	Mr. Dain Thomas	Asst. Professor	Member
8	Dr. Sandeep Grover	Professor, YMCAUST, Faridabad	External
9	Mr. Nepal Singh	Chief Manager, NSIC Neemka, Faridabad	External

Department of Electronic & Communication Engineering			
1	Dr. Abhiruchi Passi	Professor & Head	Chairman
2	Dr. Naresh Grover	Professor and Pro Vice Chancellor	Special
3	Dr. Geeta Nijhawan	Professor and Associate Dean	c
4	Dr. Y.K.Awasthi	Professor	Member
5	Dr. Vimlesh Singh	Associate Professor	Member
6	Dr. Umesh Dutta	Associate Professor	Member
7	Dr. Jyoti Verma	Assistant Professor	Member
8	Ms. Prerna Kakkar	Assistant Professor	Member
9	Dr. Munish Vashisht	Professor, Department of ECE, JC Bose University of	External
10	Mr. Saurabh Garg	Technical Lead (Production Support), Agnity	External

Department of Electrical & Electronics Engineering			
1	Dr. Leena G.	Professor & Head	Chairman
2	Dr. Anita Khosla	Professor	Member
3	Dr. Ashish Grover	Associate Professor	Member
4	Dr. Amrinder Kaur	Associate Professor	Member
5	Dr. Richa Adlakha	Assistant Professor	Member
6	Dr. Neha Chaudhary	Assistant Professor	Member
7	Dr. Vivek Shrivastava	Associate Professor, Dept. of Electrical and	External
8	Mr. Birbal Singh Tanwar	Sr. Project Manager, GE Power India Ltd, Noida	External

3.2 Faculty of Commerce & Business Studies

Name of Departments:

S.No. Name of Department

1. Department of Commerce
2. Department of Business Studies

Programme	Student Intake		Total Admissions	
	UG	PG	UG	PG
BBA - General	150		166	
BBA - Banking and Financial Market	30		29	
BBA (Global)-IB	20		16	
BBA – Digital Marketing	50		55	
BBA – Retail and Sales Management	15		12	
B.Com (Hons.)	150		153	
M.Com		10		08

Faculty of Commerce and Business Studies (FCBS):

List of Faculty Members:

Name of the Full-time teacher	Designation	Department
Arvind Dalal	Associate Professor	Business Studies
Kanupriya Shekhar	Assistant Professor	Business Studies
Urvashi Sharma	Associate Professor	Business Studies
Neha Wadhawan	Associate Professor	Business Studies
Anjali Singh	Associate Professor	Business Studies
Madhumita Mahapatra	Assistant Professor	Business Studies

Rakesh Kumar Arya	Professor	Business Studies
PRIYANKA BHAYANA	Assistant Professor	Business Studies
Narinder Tanwar	Professor	Business Studies
Amit Kumar	Assistant Professor	Business Studies
Vinit Sikka	Associate Professor	Business Studies
Kirti Khanna	Assistant Professor	Business Studies
Naina Sobti	Assistant Professor	Business Studies
Utpala Das	Associate Professor	Business Studies
Neha Yadav	Assistant Professor	Business Studies
Pushpesh	Assistant Professor	Business Studies
Kulbir Kaur Bhatti	Assistant Professor	Business Studies
Nidhi Tandon	Associate Professor	Commerce
Jayender Verma	Professor	Commerce
Simran Kaur	Associate Professor	Commerce
Preeti Chabra	Associate Professor	Commerce
Arun Vashista	Assistant Professor	Commerce
Monika Goel	Professor	Commerce
Arkaja Garg	Assistant Professor	Commerce
Shilpa Bhatia	Assistant Professor	Commerce
Priyanka Srivastava	Assistant Professor	Commerce
Anjani Srivastava	Assistant Professor	Commerce
Amardeep Singh	Assistant Professor	Commerce
Pushpendra Singh	Assistant Professor	Commerce



1. DEPARTMENT OF COMMERCE

i) Thrust Area

• Accounting Standards and Auditing
• Mergers and Acquisitions
• Banking and Financial Analysis
• Taxation and Law
• Marketing and E-Commerce
• Entrepreneurship
• Advertising and Sales Promotion

ii) Academic Achievements

a. Student's Publications: 2022-23

Title of the Paper	Name of the author (s)	Student Author	Title of the Journal / Conference / Book
Consumer Behaviour towards Online and Traditional Shopping	Muskaan Arora, Sohela Malik, Arun Vashishta	Muskaan Arora, Sohela Malik	International Journal of Science and Research
Consumer Behavior towards Online Food Delivery Apps	Muskaan Arora, Arun Vashishta, Jayendra Verma	Muskaan Arora	International Journal of Novel Research and Development
Analysis of Correlation between Inflation and Aggregate Consumption Expenditure on Clothing and Footwear in Pre and Post Covid Era	Sejal, Puspendra Singh, Jayendra Verma	Sejal	International Journal of Humanities Social Science and Management

b. Student progression to higher education during the year: 2022-23

Name of students enrolled for higher education	Graduated from which Programme	Name of Institution joined	Admitted to (Name of Programme)
Abhishek	B.Com (Hons.)	Maharshi Dayanand University, Gurugram	Master of Business Administration
Akansha Bhatia	B.Com (Hons.)	The Institute Of Cost Accountants Of India	CA
Anshul Goel	B.Com (Hons.)	Skill Circle	Diploma in CDC
Bhumika Sharma	B.Com (Hons.)	Manav Rachna International Institute Of Research And Studies	Master of Business Administration
Chirag Ahuja	B.Com (Hons.)	Narsee Monjee Institute Of Management Studies	DBFM
Dipanshu Sapra	B.Com (Hons.)	Manav Rachna International Institute Of Research And Studies	Master of Business Administration
Gulshan	B.Com (Hons.)	Chandigarh University	Master of Business Administration
Ishika	B.Com (Hons.)	The institute of company secretaries of India	CS-executive
Jiya Dubey	B.Com (Hons.)	Manav Rachna International Institute Of Research & Studies	M.Com
Khushi Singla	B.Com (Hons.)	Inter National Institute Of Fashion Design	PG Design
Komal Bhadana	B.Com (Hons.)	Manav Rachna International Institute Of Research And Studies	M.Com
Manvi Mittal	B.Com (Hons.)	Manav Rachna International Institute Of Research And Studies	Master of Business Administration
Munmun	B.Com (Hons.)	JC BOSE University, YMCA, Faridabad	MBA
Muskaan Arora	M.Com	Manav Rachna International Institute of Research & Studies, Faridabad	Ph.D.
Muskan Aggarwal	B.com Hon's	Jagnath International Management School	PGGM(IB)

Payal Mittal	B.Com (Hons.)	Rawal Institute Of Management	Master of Business Administration
Resham Sharma	B.Com (Hons.)	Graphic Era	Master of Business Administration
Sagar sharma	B.Com (Hons.)	Lloyd Business School	PGDM
Shanu Bainsla	B.Com (Hons.)	Manav Rachna International Institute of Research & Studies, Faridabad	MBA
Sheetal Chawla	B.Com (Hons.)	Amity University	Master of Business Administration
Sohela malik	M.Com	ARTH Institute	B.ed
Tanmay Goyal	B.Com (Hons.)	Jc Bose University Of Science And Technology	Master of Business Administration
Vanshika Mittal	B.Com (Hons.)	Jagnath International Management School	PGDM(IB)
Vivek Yadav	B.Com (Hons.)	International School Of Business And Media	Post graduate diploma in management
Yash Chopra	B.Com (Hons.)	Managemnt Education And Research Institute	Master of Business Administration
Yashika Chopra	B.Com (Hons.)	Managemnt Education And Research Institute	Master of Business Administration

c. Students benefited by career counseling and guidance for competitive Examinations: 2022-23

Activity Description	No. of Participants
Budget and Current Market Scenario	63
Know the Art of Investing	132
Prospects of CA as Future Career	78
Communication: The Core to personality development and professional life	62
Career Opportunities as a Chartered Accountancy and Taxation	52
Stock Market & Traits expected from Future Managers	38
Career Opportunities for Commerce Graduates in the Industry	57
Career Opportunities as a Company Secretary	45

Career Opportunities for ACCA and Other Professional Courses	44
Necessary Skills for Career Development	44
Workshop on Being Industry Ready	70
Career Awareness Session with ICSI on "Career as a Company Secretary"	56

d. Faculty members: Awards & Recognitions: 2022-23

Name of Faculty Member	Awards/Recognition
Nidhi Tandon	Recognition of the appointment as a Member of the Editorial Review Board of the scientific e-journal Virtual Economic (01-04-2023)
Amardeep Singh	Recognition: Invited as Key Resource Person in Faculty Development Program, New Trends and Teaching Practices in Business Analytics for Management Education (13-09-2022)
	Elite with silver medal NPTEL on line certification from IIT Bombay in Business and Sustainable Development (29-10-2022)
Simran Kaur	Elite NPTEL on line certification from IIT Guwahati in Economic Growth and Development (27-03-2023)
Simran Kaur	Elite NPTEL on line certification from IIT Roorkee in Marketing Research and Analysis II (30-04-2023)
Arkaja Garg	Certificate of Appreciation of "Top Performing Mentor" NPTEL Online Certification course "raining of Trainers (July to December 2022)

e. FDPs / Workshops / Conferences Attended by Faculty members: 2022-23

Name of Faculty Member	Title of FDP/Workshop/Conference	Date from	Date to
Simran Kaur	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Nidhi Tandon	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Jayender Verma	FDP on Strategic Planning and Management	24-04-2023	28-04-2023
Simran Kaur	One Week Workshop on Data Analytics using SPSS: From Basic to Advance	04-07-2022	09-07-2022
Simran Kaur	FDP on Strategic Planning and Management	24-04-2023	28-04-2023
Nidhi Tandon	FDP on Strategic Planning and Management	24-04-2023	28-04-2023
Preeti Chhabra	FDP on Strategic Planning and Management	24-04-2023	28-04-2023
Arkaja Garg	FDP on Project Based Learning: International Perspective	04-07-2022	09-07-2022
Arkaja Garg	FDP on Strategic Planning and Management	24-04-2023	28-04-2023
Arun Vashista	FDP on Strategic Planning and Management	24-04-2023	28-04-2023

Amardeep Singh	FDP on Strategic Planning and Management	24-04-2023	28-04-2023
Anjani Srivastava	FDP on Strategic Planning and Management	24-04-2023	28-04-2023
Jayender Verma	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023
Arun Vashista	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023

f. Events Organized: 2022-23

Title	From Date	To Date
FDP on Strategic Planning and Management	24-04-2023	28-04-2023

g. Faculty Research Papers: 2022-23

Title of Paper	Name of Authors	Name of Journal	Year of Publication
Impact of Goods And Service Tax on Tourism Industry with Focus on Tour Operator and Hotel Industry	Monika Goel	International Journal of Mechanical Engineering	2022-23
Work Stress Management in an Organisation with the Role of HRM	Preeti Chhabra	Journal of Positive School Psychology	2022-23
Empirical Analysis on Buying EMPIRICAL ANALYSIS ON BUYING Behavior of Consumer towards Cosmetic Products in Faridabad City	Simran Kaur	Journal of the Maharaja Sayajirao University of Baroda	2022-23
Relationship between Social Media Advertising, E-marketing and Product Quality on Consumer Purchase Behaviour about Cosmetics	Simran Kaur	Journal of Jundishapur Journal of Microbiology	2022-23
Impact of Social Media Marketing on Consumer Buying Behaviour Towards Cosmetic Products	Simran Kaur	Specialusis Ugdymas (SU)	2022-23
DETERMINANTS OF CONSUMER PREFERENCE TOWARDS PRIVATE LABEL AND MANUFACTURER BRANDS IN ORGANIZED PACKAGED FOOD RETAILING: A FACTOR ANALYSIS APPROACH	Nidhi Tandon, Jayender Verma	International Journal of Indian Culture and Business Management	2022-23

Evolution of Indian Tax System – Tax Policy, e-initiatives and administrative reforms	Monika Goel	SPECIALUSIS UGDYMAS / SPECIAL EDUCATION	2022-23
Income Tax reforms – Transforming Tax administration through Faceless Assessment	Monika Goel	SPECIALUSIS UGDYMAS / SPECIAL EDUCATION	2022-23
Consumer Behaviour towards Online and Traditional Shopping	Muskaan Arora, Sohela Malik, Arun Vashishta	International Journal of Science and Research	2022-23
Consumer Behavior towards online food delivery apps	Muskaan Arora, Arun Vashishta, Jayendra Verma	International Journal of Novel Research and Development	2022-23
Analysis of Correlation between Inflation and Aggregate Consumption Expenditure on Clothing and Footwear in Pre and Post Covid Era	Sejal, Puspendra Singh, Jayendra Verma	International Journal of Humanities Social Science and Management	2022-23
'Role of 'Guru Ka Langar' in Pandemic Management During COVID-19: Guided by Religious Belief'	Amardeep Singh	Journal of Business Thought	2022-23
The Impact of Digitalization and Enterprise Architecture Deployment Practice on Organizational Benefit	Simran Kaur	Eur. Chem. Bull.	2022-23
Corporate Social Responsibilities (Csr) As A Tool Of Brand Building	Preeti Chhabra	Journal of Positive School Psychology	2022-23

h. Book Chapters: 2022-23

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference
Preeti Chhabra, RK Arya	Macroeconomics: A Comprehensive Approach	NA	NA
Preeti Chhabra, Ms. Disha Madan	Kuch Sawal Zindagi Ke, Kuch Jawaab Zindagi Se	NA	NA

Preeti Chhabra, RK Arya	Microeconomics Including Managerial Economics	NA	NA
Preeti Chhabra, RK Arya	Introductory to Microeconomics	NA	NA
Preeti Chhabra, RK Arya	Statistics for Economics	NA	NA
Preeti Chhabra, RK Arya	Introductory to Macroeconomics	NA	NA
Preeti Chhabra,	Indian Economic Development	NA	NA
RK Arya	Fundamentals of Financial Management and Investment Analysis	NA	NA
Chand Prakash, Rita Yadav, Amit Dangi, and Amardeep Singh	NA	Factor Analysis Approach to Study Mobile Applications' Characteristics and Consumers' Attitudes	Computational Intelligence for Engineering and Management Applications
Sureshbhai P. Raval, Simran Kaur, Prakash L. Dompale	Contemporary Economic Issues in India	NA	NA
Nidhi Tandon	Marketing & Management in Business Development	NA	NA
Simran Kaur	multidimensional Aspects of Management	NA	NA
Simran Kaur	Socio-Economic Implications of Human Resource Management in Contemporary World	NA	NA

Nidhi Tandon, Simran Kaur	Multidimensional Aspects of Management	NA	NA
Simran Kaur and Ms.Uma Anurag	Multidimensional Aspects of Management	NA	NA
Ms.Nidhi Tandon, Jayender Verma and Simran Kaur	multidimensional Aspects of Management	NA	NA
Simran Kaur,	Real Life Management Case Studies	NA	NA
Gurpreet Singh Matharou Simran Kaur	Recent Developments in Nanofibers Research	NA	NA

2. DEPARTMENT OF BUSINESS STUDIES

i) Thrust Area

• Brand Management
• International Marketing and E-Commerce
• Banking and Financial Analysis
• International Business
• Mergers and Acquisition
• Digital Marketing

ii) Academic Achievements

a. Students benefited by career counseling and guidance for competitive Examinations: 2022-23

Activity Description	No. of Participants
One day Entrepreneur	72
Rebuttal Rebels: A Soft Skill Based Activity	16
Program 20-20: A Career Counseling Activity for Advanced Learners	82
Industrial Visit to BSE India Ltd.	41

b. Student progression to higher education during the year: 2022-23

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Ankit Sharma	Bachelor of Business Administration (Genera)	Manav Rachna International Institute of Research and Studies	Master of Business Administration
Deepika	BBA (Banking)	Manav Rachna International Institute of Research and Studies	Master of Business Administration
Ritika	BBA (Banking)	Manav Rachna International Institute of Research and Studies	Master of Business Administration
Gravit Thakural	Bachelor of Business Administration (Genera)	Manav Rachna International Institute of Research and Studies	Master of Business Administration
Kanchan Tyagi	Bachelor of Business Administration (Genera)	Sharda School of Business studies	Master of Business Administration
Pranchal Bhati	Bachelor of Business Administration (Genera)	Manav Rachna International Institute of Research and Studies	Master of Business Administration
Raghav Dhamija	Bachelor of Business Administration (Genera)	Institute of Integrated Learning in Management University	Master of Business Administration
Vansh Narang	Bachelor of Business Administration (Genera)	Manav Rachna International Institute of Research and Studies	Master of Business Administration
Yash Raturi	Bachelor of Business Administration (Genera)	Manav Rachna International Institute of Research and Studies	Master of Business Administration

c. FDPs/Conferences Attended: 2022-23

Name of the Faculty member	Title of the Event	Date From	Date to
Utpala Das Saxena	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Neha Wadhawan	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Arvind Dalal	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Shilpa Bhatia	FDP on Leadership and Management Development	09-01-2023	13-01-2023

Madhumita Mahapatra	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Madhumita Mahapatra	FDP on Cyber Security	20-02-2023	24-02-2023
Neha Yadav	FDP on Holistic Pedagogy	09-01-2023	15-01-2023
Anjali Singh	FDP on Effective Curriculum Implementation	12-12-2022	16-12-2022
Pushpesh	FDP on Holistic Pedagogy	09-01-2023	15-01-2023
Urvashi Sharma	FDP on Strategic Planning and Management	24-04-2023	28-04-2023
Arvind Dalal	FDP on Strategic Planning and Management	24-04-2023	28-04-2023
Anjali Singh	FDP on Strategic Planning and Management	24-04-2023	28-04-2023
Utpala Das Saxena	FDP on Strategic Planning and Management	24-04-2023	28-04-2023
Neha Yadav	FDP on Strategic Planning and Management	24-04-2023	28-04-2023
Priyanka Srivastava	FDP on Strategic Planning and Management	24-04-2023	28-04-2023
Kirti Khanna	FDP on Strategic Planning and Management	24-04-2023	28-04-2023
Neha Yadav	FDP on Business Analytics with Interactive Live Dashboard	28-02-2023	04-03-2023
Kulbir Kaur Bhatti	FDP on Effective Teaching Learning using social media	05-06-2023	09-06-2023
Neha Wadhawan	FDP on Strategic Planning and Management	24-04-2023	28-04-2023
Neha Wadhawan	FDP on New reforms in Higher Education with reference to NEP	27-07-2022	02-08-2022
Rashmi Singel	FDP on Effective Teaching Learning using social media	05-06-2023	09-06-2023

d. Faculty members: Awards & Recognitions: 2022-23

Name of Faculty Member	Awards/Recognition
Vinit Sikka	Chairperson of International Conference on India's G20 Presidency: Role and Challenges and solutions in creating one earth, one family and one future (21-04-2023)
Vinit Sikka	Guest Faculty for Executive Development Program (17-03-2023)
Vinit Sikka	Best Research Paper Award (21-03-2023)
Amit Kumar	Best Research Paper Award (31-03-2023)
Amit Kumar	Appreciation Letter of Recognition: Webinar on Intellectual Property Right (03-11-2022)

e. Events organized: 2022-23

Title	From Date	To Date
Faculty Research Colloquium on Pathways to Research	03-09-2022	03-09-2022
Webinar on IPR: Pathways to Research	26-09-2022	26-09-2022
FDP on AI Tools in Research Using Chat-GPT	11-05-2023	11-05-2023
FDP on "How to publish a research paper in Scopus indexed Journal"	18-05-2023	18-05-2023

f. Faculty Research Papers: 2022-23

Title of Paper	Name of The Author/S	Name of Journal	Year of Publication
Women Leadership & Academic Performance: An overview and analysis	Arvind Dalal	International Journal of Food and Nutritional Sciences	2022-23
Covid 19 (Corona) A massive crises on the performance of the Hotel (Hospitality) Industry in India	Urvashi Sharma	International Research Journal of Management Sociology & Humanities	2022-23
Role of higher education among management young professionals in India: an analytical study on employability skills and development" development"	Urvashi Sharma	Delhi Business Review	2022-23
Public Private Partnership in strengthening the base of Higher Education in India	Anjali Singh	International Journal of Early Childhood Special Education (INT-JECSE) DOI:10.9756/INTJECSE/V1415.1028	2022-23

Impact of Green HRM Practices on Organization Sustainability	Anjali Singh	Manager - The British Journal of Administrative Management	2022-23
Global Evidence of Pandemic Effects On Educational Disruption	Anjali Singh	E3S-Web of Conferences (SCOPUS)	2022-23
Systematic Literature Review analysis of capital structure theories & its determinants: estimation of future trend	Kirti Khanna	Journal of Pharmaceutical Negative Results	2022-23
A Factors for Stabilizing the Population	Arvind Dalal	International Journal of Research and Analytical Reviews	2022-23
Critical review of Oil and Gas EPC contractors profitably and sustainability challenges and strategies	Narinder	NA	2022-23
Challenges & Opportunities in New Education Policy in India- A Study	Neha Yadav	European Economic Letters	2022-23
The Evolving Landscape of Digital Marketing: Trend, Impacts and Opp	Neha Wadhawan	Journal of Data Acquisition and Processing	2022-23
The impacts of marketing strategy on consumer behavior and business performance	Neha Wadhawan	Manager-The British Journal of Administrative Management	2022-23

g. Book Chapters: 2022-23

Name of the Teacher	Title of the book/chapters published	Title of the Paper	Title of the proceedings of the conference
Utpala Das. Kulbir Kaur Bhatti	NA	A Study on the Effects of Digital Transformation on the Education Sector	14th International Conference Proceedings Re-Imagining Business Dynamics through Digital Transformations in Disrupted World
Urvashi Sharma/ Rakesh Kuamr Arya	NA	Restricted Benefits of Globalization	Restricted benefits of globalization
Anjali Singh	NA	Delivery more than expectation- Training as a Stimulation to Improve Performance	3rd ICRIEMSD Souvenir

Urvashi Sharma	"Efficacy of teachers during pandemic; COVID-19 changes and its associated factors related to the physical and mental health of both the teachers and students.	NA	NA
Urvashi Sharma	GREEN HRM –An emerging vision of sustainable environment and organizational agility in the INDIAN context	NA	NA
Anjali Singh	Multidisciplinary approaches in Social Sciences, Education & Language(Vol 4)	NA	NA
Anjali Singh	A study on "Behavioral issues in young adults: Role of technological platforms" in Delhi NCR (Emerging Digitalization Trends in Business and Management: A Roadmap to Industry 5.0, AAP and CRC Press, Taylor and Francis Group)	NA	NA
Anjali Singh	"Multidimensional Aspects of Management"	NA	NA
Anjali Singh	Artificially Intelligent Human Resources	NA	NA
Neha Yadav	Accounting and Financial Management	NA	NA
Kirti Khanna	A Systematic Literature Review on Factors Affecting Customer Engagement in Mobile Applications.	A. Singh, S. Sharma, M. Unanoglu, & S. Taneja (Eds.), Cultural Marketing and Metaverse for Consumer Engagement	NA

Details of Board of Faculty and Board of Studies are tabulated below:

Board of Faculty			
1	Dr. Monika Goel	Dean, FOC	Chairperson
2	Dr. Jayender Verma	Prof. & Head, Department of Commerce	Member
3	Dr. Simran Kaur	Assistant Professor	Member
4	Dr. Preety Chhabra	Assistant Professor	Member
5	Dr. Nidhi Tandon	Assistant Professor	Member
6	Dr. Anjani Srivasatava	Assistant Professor	Member
7	Ms. Alka Kapoor	Jt. Secretary (Sr. Grade), The Institute of Company Secretaries of India, New Delhi	External Member
8	CA Manish Kumar	Partner, AARK & Co, Gurugram	External Member
9	Dr. B S Bodla	Director, Institute of Management Studies, Kurukshetra University, Kurukshetra	External Member

Boards of Studies			
Department of Business Studies			
1	Dr. Bhavesh Prakash	Director and HOD	Chairman
2	Dr. Rakesh Kumar	Professor	Member
3	Dr. Narinder Tanwar	Professor	Member
4	Dr. Anjali Singh	Associate. Professor	Member
5	Dr. Arvind Dalal	Associate. Professor	Member
6	Ms. Madhumita	Assistant Professor	Member
7	Ms. Shilpa Bhatia	Assistant Professor	Member
8	Mr. Pulock Bhattacharjee	Vice President, BSE Inst. Ltd. New Delhi	External Member
9	Dr. Ashutosh Nigam	Professor & Dean, Dept of Mgmt Studies Bose University of Science and Technology, Faridabad	External Member

Department of Commerce			
1	Dr Jayender Verma	Professor & Head	Chairman
2	Dr Monika Goel	Professor and Dean	Member
3	Dr Preeti Chhabra	Associate Professor	Member
4	Dr Nidhi Tandon	Associate Professor	Member
5	Ms Arkaja Garg	Assistant Professor	Member
6	Mr Arun Vashishta	Assistant Professor	Member
7	Mr Pulock Bhattacharji	Vice President, BSE Institute Pvt. Ltd	External Member
8	Dr P k Surya	Professor, Kirori Mal College, Delhi	External Member

3.3 Faculty of Allied Health Sciences

Name of Departments

S.No. Name of Department

1. Department of Nutrition & Dietetics
2. Department of Physiotherapy

Admission Status:

Programme	Student Intake		Total Admissions	
	UG	PG	UG	PG
Bachelor of Physiotherapy (BPT)	60		59	
B.Sc. Nutrition and Dietetics	30		31	
B.Sc. (Hons.)-Food Science and Technology	10		11	
Master of Physiotherapy (MPT)		40		37
M.Sc.- Nutrition and Dietetics		40		36

Faculty of Allied Health Sciences:

List of Faculty Members

Name of the Full-time	Designation	Department
Shishir Nigam	Assistant Professor	Physiotherapy
Shobhit Saxena	Assistant Professor	Physiotherapy
Preeti Saini	Assistant Professor	Physiotherapy
G.L Khanna	Professor	Physiotherapy
Pooja Sharma	Associate Professor	Physiotherapy
Sumit Arora	Associate Professor	Physiotherapy
Sunita Kumari	Assistant Professor	Physiotherapy

Ankita	Assistant Professor	Physiotherapy
Moattar Raza Rizvi	Professor	Physiotherapy
Dikshant Jatwani	Assistant Professor	Physiotherapy
Achin Kumar	Assistant Professor	Physiotherapy
Priyanka Sethi	Assistant Professor	Physiotherapy
Irshad Ahmad	Assistant Professor	Physiotherapy
Nitesh Malhotra	Associate Professor	Physiotherapy
Chandni	Assistant Professor	Physiotherapy
Jatin Maheshwari	Assistant Professor	Physiotherapy
Kangana Junega Kansal	Demonstrator	Physiotherapy
Dheeraj Kumar	Demonstrator	Physiotherapy
Sanjeev Gupta	Professor	Physiotherapy
Kshitija Bansal	Associate Professor	Physiotherapy
Roshni Raj	Junior Physiotherapists	Physiotherapy
Nitika Roy	Demonstrator	Physiotherapy
Sneha Chakraverty	Assistant Professor	Physiotherapy
Gurjeet Kaur Chawla	Professor	Nutrition & Dietetics
Ankita Sehjpal Sharma	Assistant Professor	Nutrition & Dietetics
Divya Sanghi	Professor	Nutrition & Dietetics
Pratibha Singh	Professor	Nutrition & Dietetics
Priya Mishra	Assistant Professor	Nutrition & Dietetics
Mehak Sharma	Associate Professor	Nutrition & Dietetics
Divya Puri	Assistant Professor	Nutrition & Dietetics
Gurseen Rakhra	Assistant Professor	Nutrition & Dietetics

Vandana Garg	Assistant Professor	Nutrition & Dietetics
Madhvi Awasthi	Assistant Professor	Nutrition & Dietetics
Srishti Negi	Assistant Professor	Nutrition & Dietetics
Lakhvinder Kaur	Associate Professor	Nutrition & Dietetics
Lucy George	Associate Professor	Nutrition & Dietetics
Lavanya M.N	Assistant Professor	Nutrition & Dietetics/FST
Kommi Kalpana	Associate Professor	Nutrition & Dietetics/FST
Deepak	Assistant Professor	Nutrition & Dietetics/FST
Mehak Katyal	Assistant Professor	Nutrition & Dietetics/FST



Departments at a Glance

1. Department of Nutrition and Dietetics

i) Thrust Area:

- Clinical Nutrition
- Food Science and Technology
- Public Health and Nutrition
- Sports Nutrition

ii) Academic Achievements

a. Student's Publications: 2022-23

Title of the Paper	Name of the author/s	Student Authors	Journal/Conference/Book Title
Influence of Nutrition Knowledge on the Association between Maternal Nutrition and Birth Outcomes	Divya Sanghi	Arshi Mehboob	International Journal of Child Health and Nutrition
Dietary Pattern of School-Going Children during COVID-19 Pandemic.	Mahak Sharma	Brij Pal Singh	International Journal of Child Health and Nutrition
Development & Characterization of Nachos incorporated with Beet Greens	Prachi & Divya Puri	Prachi	International Journal of Biology, Pharmacy & Allied Sciences
Impact of Stress on Nutritional Status	Srishti Negi	Amolika Bisht	Scientist
Impact of Alcohol Consumption – A Recent Update	Srishti Negi	Anjali Sharma	Scientist
Assessment of Disordered Eating Attitude and Mental Health among Indian Kho-Kho Players	G. L .Khanna	Kommi Kalpana	Nutrition and Food Science
Energy Availability and RED-S Risk Assessment among Kho-Kho Players in India.	Keren Susan Cherian	Kommi Kalpana	Sports Sciences for Health

A Comparison of Body Composition and Blood Lipid Indices Among Kho-Kho Players based on Water Intake Pattern	G.L.Khanna	Kommi Kalpana	Saudi Journal of Sports Medicine
Intrinsic disordered nature and prediction of the secondary structure in wheat dehydrins.	Joshi Ridhi	Gurseen Rakhra	Research Journal of Biotechnology
Insights into the functional characterization of dir proteins through genome wide in-silico and evolutionary studies: a systematic review.	Preedhi Kapoor, Vineet Kumar, Ridhi Joshi,	Gurseen Rakhra	Functional and Integrative Genomics
Review-Increasing rate of obesity:Interest towards purchasing mode	Priya Mishra	Prashasti Aatre	NIU International Journal Of Human Rights
Nutritional Potential and multiple uses of Banana Peel: A Review	Priya Mishra	Unnati Sharma	Agricultural and biological research
Combined approach for synthesis of edible film biodegradable attributes	Ankita Sharma	Himanshu Singh	IJFANS
Formulation of beetroot juice and coconut water fluid - based gel for enhanced sports performance	Ankita Sharma	Hemant Singh	International Journal of Science and Research
A comprehensive Review on Nutrition During Pregnancy: Nutrient Requirement and Guidelines	Gurjeet Kaur Chawla	Saloni Jain	TIJER - International Research Journal
Effect of Gender on the Quality of Life among Elderly Population: A Survey Report on Quality of Life among Elderly Individuals Ages 60 years and Above Residing in Delhi NCR Region	Gurjeet Kaur Chawla	Yashvi Rexwal	Journal of the Indian Academy of Geriatrics
Organoleptic, Proximal Analysis & Shelf-Life Detection Of Oats Based Chocolate	Priya Mishra	Mona Hooda	Ijfans International Journal Of Food And Nutritional Sciences

b. Student progression to higher education during the year: 2022-23

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Abir Mazumder	B.Sc. Nutrition & Dietetics	Sharda University	M.Sc. Nutrition and Dietetics
Akshay Malik	B.Sc. Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies	M.Sc. Nutrition and Dietetics
Bhavyanshi	B.Sc. Nutrition & Dietetics	Coventry University	M.Sc. Global Healthcare Management
Cheshta Gera	B.Sc. Nutrition & Dietetics	Gnd University, Amritsar	M.Sc. Food technology
Deepanshi Bhatnagar	B.Sc. Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies	M.Sc. Nutrition and Dietetics
Devanshi Kumari	B.Sc. Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies	M.Sc. Nutrition and Dietetics
Khushi Bhati	B.Sc. Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies	M.Sc. Nutrition and Dietetics
Neha Chauhan	B.Sc. Nutrition & Dietetics	Chandigarh University, Chandigarh	M.Sc. Nutrition and Dietetics

Nehal Guruwani	B.Sc. Nutrition & Dietetics	Jaipur National University	M.Sc. Clinical Nutrition
Nikita Gupta	B.Sc. Nutrition & Dietetics	Amity University Noida U.P.	M.Sc. Nutrition and Dietetics
Priyanshi Jain	B.Sc. Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies	M.Sc. Nutrition and Dietetics
Samiksha	B.Sc. Nutrition & Dietetics	SSM College Jaipur	M.Sc. Food and Nutrition
Satyam Singh	B.Sc. Nutrition & Dietetics	University Of Westminster, London (309 Regent St., London W1B 2Hw).	MSc. Sports and Exercise Nutrition
Shipra Arora	B.Sc. Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies	M.Sc. Nutrition and Dietetics
Shreya Pasricha	B.Sc. Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies	M.Sc. Nutrition and Dietetics
Sonal Aswal	B.Sc. Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies	M.Sc. Nutrition and Dietetics
Soumya Tyagi	B.Sc. Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies	M.Sc. Nutrition and Dietetics
Srishti Sethi	B.Sc. Nutrition & Dietetics	Sharda University	M.Sc. Nutrition and Dietetics

Sunakshi Chauhan	B.Sc. Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies	M.Sc. Nutrition and Dietetics
Tannisha Vadhavan	B.Sc. Nutrition & Dietetics	Symbiosis University Pune	M.Sc. Nutrition and Dietetics
Tanvi Asija	B.Sc. Nutrition & Dietetics	GND University, Amritsar	M.Sc. Food technology
Thungdeno B Kikon	B.Sc. Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies	M.Sc. Nutrition and Dietetics
Utkarsh Dev	B.Sc. Nutrition & Dietetics	GND University, Amritsar	M.Sc. Sports Nutrition
Yashika Bansal	B.Sc. Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies	M.Sc. Nutrition and Dietetics
Yashika Bharti	B.Sc. Nutrition & Dietetics	Amity University Noida U.P.	M.Sc. Nutrition and Dietetics

c. Students benefited by career counseling and guidance for competitive Examinations: 2022-23

Activity Description	No. of Participants
Dietetics Day 2023 - workshop consist of Healthy Recipe Competition and demonstration of recipes created by Nestle	36
Workshop on Somatotype	25
Yoga Mahotsav 2023 in collaboration with Morarji Desai National Institute of Yoga, Ministry of AYUSH, Government of INDIA	166

Journey of being a nutritionist	30
Competitive Exam preparation on NET/ JRF	25
Industrial Interaction: Exploring Opportunities in Nutrition Sector	24
Workshop on Protein and Fat estimation Technology	42
Millet Recipe Competition	17

d. Faculty members: Awards & Recognitions: 2022-23

Name of Faculty Member	Awards/Recognition
Madhvi Awasthi	Appreciation certificate for expert lecture (08-09-2022)
Madhvi Awasthi	Certification of award NPTEL Academic Writing (cec22-ge01) (12-10-2022)
Lakhvinder Kaur	Recognition for publishing patent: Green Nanotechnology: Advancement in Phyto formulation Research (16-09-2022)
Lakhvinder Kaur	Mentor to the team FRESHOMETER secured first place in MANAGE Agri Eureka 2022 (07-11-2022)
Lakhvinder Kaur	ANVESHAN-2022, Student Research Convention (23-02-2023)
Divya Puri	Session chair at 5th International Conference on Food & Nutrition (16-11-2022 to 17-11-2022)
Mahak Sharma	Recognition as Keynote Speaker on Online health seminar on wellness, sports and factors in metabolic syndrome (14-10-2022 to 15-10-2022)
Mahak Sharma	Speaker in National Nutrition Conference by Sharp NGO (24-09-2022)
Divya Sanghi	Speaker on Online health seminar on wellness, sports and factors in metabolic syndrome (15-10-2022)
Divya Sanghi	Speaker on Nutrition and Immunity (07-10-2022)

e. FDPs attended by Faculty Members: 2022-23

Name of the Faculty member	Title of the Event	Date From	Date to
Mahak Sharma	FDP on Project Based Learning: International Perspective	04-07-2022	09-07-2022
Mahak Sharma	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023

Mahak Sharma	FDP on Advanced Communication Skills and Digital Literacy in Profession	24-04-2023	30-04-2023
Mahak Sharma	Short Term Course on Yoga Foundation Course by MNDIY	21-11-2022	18-01-2023
Madhvi Awasthi	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Ankita Sharma	FDP on Teaching, Learning and Research	04-01-2023	10-01-2023
Ankita Sharma	Short Term Course on Yoga Foundation Course by MNDIY	21-11-2022	18-01-2023
Ankita Sharma	FDP on Advanced Communication Skills and Digital Literacy in Profession	24-04-2023	30-04-2023
Ankita Sharma	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Gurjeet Kaur Chawla	FDP on Innovative Technologies for Village Development	16-01-2023	20-01-2023
Lucy George	One Week Workshop on Biostatistical Data Analysis and Research Methodology	21-12-2022	27-12-2022
Lucy George	FDP on Advanced Research Methodology	21-03-2023	27-03-2023
Divya Sanghi	Short Term Course on Yoga Foundation Course by MNDIY	21-11-2022	18-01-2023
Divya Sanghi	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023
Divya Sanghi	FDP on Advanced Communication Skills and Digital Literacy in Profession	24-04-2023	30-04-2023
Divya Sanghi	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Priya Mishra	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023
Priya Mishra	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Lakhvinder Kaur	Short Term Course on Yoga Foundation Course by MNDIY	21-11-2022	18-01-2023
Lakhvinder Kaur	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023
Lakhvinder Kaur	Management Development Programme for women Officer in Agriculture and Allied Sectors	21-11-2022	25-11-2022
Lakhvinder Kaur	FDP on Innovations in water Treatment and sustainable Infrastructure	29-05-2023	02-06-2023

Komi Kalpana	Short Term Course on Yoga Foundation Course by MNDIY	21-11-2022	18-01-2023
Pratibha Singh	Short Term Course on Yoga Foundation Course by MNDIY	21-11-2022	18-01-2023
Gurseen Rakhra	FDP on Strategic Planning and Management	24-04-2023	28-04-2023
Divya Puri	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023
Divya Puri	FDP on Strategic Planning and Management	24-04-2023	28-04-2023
Divya Puri	FDP on ICT Tools for Effective Teaching Learning	29-05-2023	03-06-2023
Vandana Garg	FDP on Strategic Planning and Management	24-04-2023	28-04-2023
Vandana Garg	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023
Mehak Katyal	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023

f. Events organized: 2022-23

Title of the Event	From date	To date
FDP on Protein and Fat estimation Technology	17-04-2023	21-04-2023

g. Faculty Research Papers: 2022-23

Title of Paper	Name of the Author/S	Name of Journal	Year of Publication
Influence of Nutrition Knowledge on the Association between Maternal Nutrition and Birth Outcomes	Divya Sanghi	International Journal of Child Health and Nutrition	2022-23
Dietary Pattern of School-Going Children during COVID-19 Pandemic	Mahak Sharma	International Journal of Child Health and Nutrition	2022-23
Development & Characterization of Nachos incorporated with Beet Greens	Divya Puri	International Journal of Biology, Pharmacy & Allied Sciences	2022-23
Impact of Stress on Nutritional Status	Srishti Negi	Scientist	2022-23

Impact of Alcohol Consumption – A Recent Update	Srishti Negi	Scientist	2022-23
Assessment of Disordered Eating Attitude and Mental Health among Indian Kho-Kho Players	G.L.Khanna	Nutrition and Food Science	2022-23
Energy Availability and RED-S Risk Assessment among Kho-Kho Players in India.	Keren Susan Cherian	Sports Sciences for Health	2022-23
A Comparison of Body Composition and Blood Lipid Indices Among Kho-Kho Players based on Water Intake Pattern	G.L.Khanna	Saudi Journal of Sports Medicine	2022-23
Intrinsic disordered nature and prediction of the secondary structure in wheat dehydrins.	Gurseen Rakhra	Research Journal of Biotechnology	2022-23
Insights into the functional characterization of dir proteins through genome wide in-silico and evolutionary studies: a systematic review.	Gurseen Rakhra	Functional and Integrative Genomics	2022-23
Importance of omega-6 to omega-3 ratio in obesity	Gurseen Rakhra	TIJER- International Research Journal	2022-23
Association of sleep quality with dietary diversity and BMI	Gurseen Rakhra	International Journal for Multidisciplinary Research	2022-23
Application of Fuzzy Logic In Smart Agriculture To Recognize Tomato Fruit Ripeness	Lakhvinder Kaur	International Journal of Food and Nutritional Sciences	2022-23
Review-Increasing rate of obesity:Interest towards purchasing mode	Priya Mishra	NIU International Journal Of Human Rights	2022-23
Nutritional Potential and multiple uses of Banana Peel: A REVIEW	Priya Mishra	Agricultural and biological research	2022-23
Combined Approach for Synthesis of Edible Film Biodegradable Attributes	Ankita Sharma	IJFANS	2022-23
formulation of beetroot juice and coconut water fluid - based gel for enhanced sports performance	Ankita Sharma	International Journal of Science and Research	2022-23
A comprehensive Review on Nutrition During Pregnancy: Nutrient Requirement and Guidelines	Gurjeet Kaur Chawla	TIJER - International Research Journal	2022-23
Effect of Gender on the Quality of Life among Elderly Population: A Survey Report on Quality of Life among Elderly Individuals Ages 60 years and Above Residing in Delhi NCR Region	Gurjeet Kaur Chawla	Journal of the Indian Academy of Geriatrics	2022-23

g. Book Chapters: 2022-23

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference
Preeti, Mahak Sharma	Current Overview on Disease and Health (B.P. International)	NA	NA
Mahak Sharma, Madhvi Awasthi	Advances in Food and Nutrition (ABS Books)	NA	NA
Mahak Sharma	Pharmacology. chapter name: Vitamins and Nutraceuticals	NA	NA
Lakhvinder Kaur	BOOK: Solid and Hazardous waste management	NA	NA
Divya Sanghi, Ankita Sharma	Impact of COVID-19 on Food Security	NA	NA

2. DEPARTMENT OF PHYSIOTHERAPY
i) Thrust Area:

- ❖ Micro Injury Profile of Athletes
- ❖ Hydration Status
- ❖ Balance and Agility
- ❖ Vibration Training Technique
- ❖ Isokinetic Dynamometry
- ❖ Ergonomics
- ❖ Motor- Learning and NDT

ii) Student's Achievements:

a. Student's Publications: 2022-23

Title of Paper	Name of all the author/s	Student Authors	Journal/Conference /Book Title
Association of Selected Fitness Variables with Perceived Performance Levels in Lawn Tennis Players	Sukriti Manchanda, Shobhit Saxena, Pooja Sharma, Moattar Raza Rizvi, Ankita Sharma, Irshad Ahmad, Shaji John Kachanathu	Sukriti Manchanda	Journal of Health and Allied Sciences
Prevalence of musculoskeletal pain among computer users working from home during COVID-19 pandemic: a cross sectional survey	Lakshita Gosain, Irshad Ahmad, Moattar Raza Rizvi, Ankita Sharma and Shobhit Saxena	Lakshita Gosain	Bulletin of Faculty of Physical Therapy
Effect of active Myo kinetic chain release and stretching on physical performance amongst young racquet sports players	Ashirbad Das, Preeti Saini, Moattar Raza Rizvi, Irshad Ahmad	Ashirbad Das	TRENDS IN SPORT SCIENCES
Effectiveness of neck stabilization and Contrology training in comparison to conventional therapy amongst individual with text neck syndrome.	Sonali Bharal, Moattar Raza Rizvi, Ankita Sharma, Irshad Ahmad	Sonali Bharal	European Review for Medical and Pharmacological Sciences
Effect of electro MYO stimulation and plyometrics training on sports specific parameters in badminton players	Mani Bhadra Panda, Moattar Raza Rizvi, Ankita Sharma, Irshad Ahmad	Mani Bhadra Panda	Sports Medicine and Health Sciences
Association Of Explosive Power and Endurance Among Cricketers Of State Level	Ghosalkar Anagha, SHishir Nigam, Preeti Saini	Ghosalkar Anagha	International Journal of Physiotherapy
Comparing the Effect of Balance and Coordination Exercise on Different Platforms as on Floor, Swiss Ball & Foam in Geriatric Population–A Randomized Control Trial	Satyajit Sabat ¹ , Shweta Sharma ² , Preeti Saini ¹ , Shobhit Saxena ¹ , Ankita Sharma ¹ , *Moattar Raza Rizvi ¹	Satyajit Sabat	Aging Medicine and Healthcare
To Establish a Correlation between Lumbar Proprioception, Lumbar ROM with Change in Lumbar Lordosis Angle in Workers in Steel Industries	Akash Mazumdar, Pooja Sharma, Sunita Kumari, Shweta Sharma, Parul Sharma, Pooja Anand	Akash Mazumdar	Bulletin of Environment, Pharmacology and Life Sciences

Correlation Between Bicycle Geometry and The Lysholm Score (Knee) In Young Healthy Adult Male Cyclists	Aditya Divyansh, Shishir Nigam, Moattar Raza Rizvi, Ankita Sharma, Shobhit Saxena	Aditya Divyansh	Sports Science
Comparing the effect of myofascial release and muscle energy technique on craniovertebral angle and headache in tension-type headache patients	Sharma, Ankita; Sharma, Ankita; Rizvi, Moattar; Kumari, Sunita; Sharma, Pooja	Sharma, Ankita	Revista de Pesquisa em Fisioterapia
Instrument-Assisted Soft Tissue Mobilization Technique versus Static Stretching in Patients with Pronated Dominant Foot: A Comparison in Effectiveness on Flexibility, Foot Posture, Foot Function Index, and Dynamic Balance	Ujjwal Gupta, Ankita Sharma, Moattar R. Rizvi, Mazen M. Alqahtani, Fuzail Ahmad, Faizan Z. Kashoo, Mohammad Miraj, Mohammad R. Asad, Shadab Uddin, Waseem M. Ahamed, Saravanakumar Nanjan, Sayed A. Hussain and Irshad Ahmad	Ujjwal Gupta	Healthcare
Comparison of endurance, agility, and core strength between national and state level female football players	Zoya Zaidi, Moattar Raza Rizvi, Ankita Sharma, Preeti Saini, Shishir Nigam	Zoya Zaidi	Saudi Journal of Sports Medicine

b. Student progression to higher education during the year: 2022-23

Name of Students enrolled for	Graduated from which Programme	Name of Institution Joined	Admitted to (Name of Programme)
Akanksha	Bachelor of Physiotherapy	Manav Rachna International Institute of Research and Studies	MPT
Anurag Nand Mehr	Bachelor of Physiotherapy	Institute of Management & Technical Studies	MPT- Orthopedics
Aparna Bararia	Bachelor of Physiotherapy	Manav Rachna International Institute of Research and Studies	MPT
Hafiza Ibadasuk Syiem	Bachelor of Physiotherapy	Raja Rajeshwari College Of Department Of Physiotherapy, Bangalore	MPT- Cardiology
Harkesh	Bachelor of Physiotherapy	Sanskriti University, Mathura	MPT_ Orthopedics
Jai Pant	Bachelor of Physiotherapy	Manav Rachna International Institute of Research and Studies	MPT Sports
Mehul Jain	Bachelor of Physiotherapy	Manav Rachna International Institute of Research and Studies	MPT

Muskan Kapoor	Bachelor of Physiotherapy	Banarsidas Chandiwala Institute of Department of Physiotherapy	MPT
Muskan Rastogi	Bachelor of Physiotherapy	Kasturba Medical College, Mangalore	MPT- OBG
Nainy Grewal	Bachelor of Physiotherapy	Lambton College	MPT
Nirvana Bhattarai	Bachelor of Physiotherapy	Fanshawe College, Toronto	PG Diploma- Gerontology
Rinki	Bachelor of Physiotherapy	Pgims, Rohtak	MPT- Cardiology
Simran Chawla	Bachelor of Physiotherapy	Shree Guru Gobind Singh Tricentenary University	MPT- Neurology
Varsha	Bachelor of Physiotherapy	Gurugram University	MPT
Versha Yadav	Bachelor of Physiotherapy	Gurugram University	MPT
Vidushi Singh	Bachelor of Physiotherapy	Manav Rachna International Institute of Research and Studies	MPT
Yashma Shrestha	Bachelor of Physiotherapy	Fanshawe College, Toronto	PG Diploma- Gerontology
Atiya	Bachelor of Physiotherapy	Manav Rachna International Institute of Research and Studies	MPT

c. Students benefited by career counseling and guidance for competitive Examinations: 2022-23

Activity Description	No. of Participants
Workshop on Biomechanical analysis of walking and running using Gait ON	78
Summer Enrichment Programme in Neurosciences Neurorehabilitation	21
Career Guidance in the field of Physiotherapy	141

d. FDPs Attended by Faculty Members: 2022-23

Name of the Faculty member	Title of the Event	Date From	Date to
Pooja Sharma	FDP on Effective Curriculum Implementation	12-12-2022	16-12-2022
Preeti Saini	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Nitesh Malhotra	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Ankita	FDP on Effective Curriculum Implementation	12-12-2022	16-12-2022
Sneha Chakravarty	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023
Kshitja Bansal	FDP on Leadership and Management Development	09-01-2023	13-01-2023
Sunita Kumari	FDP on Leadership and Management Development	09-01-2023	13-01-2023

e. Events Organised:2022-23

Title of the Professional Development Program Organised for Teaching Staff: FDP, STC, Conference, Seminar, Expert Talk, Session etc	From Date	To Date
6th National and International Conference on Health and Sports Science	17-02-2023	18-02-2023

f. Faculty members: Awards & Recognitions:2022-23

Name of Faculty Member	Awards/Recognition
Pooja Sharma	Certificate of Participation as Advisory Committee Osteo Manual summit 2022 organized by Academy of Exercise Health and Therapy (20-11-2022)
Pooja Sharma	Shield of Honour during Workshop on Taping for Cervical and Upper Limb, Fortis Escorts - Bone & Joint Institute (11-09-2022)
Pooja Sharma	Preeminent Innovative Educators Award 2022, 8th international conference on IRSD, MGSIPA Chandigarh, India (30-11-2022)
Pooja Sharma	Organizing Joint Secretary, Physio Connect 3- International Conference (19-02-2023)
Irshad Ahmad	Prominent Researcher Award 2022, 8th international conference on IRSD, MGSIPA Chandigarh, India (30-09-2022)
Irshad Ahmad	Eminent young scientist award 2023, Spine Ortho Neuro Conclave, Paras Health, Gurugram (17-06-2023)

Shobhit Saxena	Appreciation Award: Organizer Physio Connect 3- International Conference (19-02-2023)
Nitesh Malhotra	Academic Excellence Award 2022 (PHYSIOHARCON 2022), MDU, Rohtak, India (18-12-2022)
Ankita	Best Paper Presentation Award, International Conference on Innovative Sustainable Practices: A Global Multidisciplinary Approach ICISP Virtual 2023 (15-04-2023 to 16-04-2023)

g. Faculty Research Papers: 2022-23

Title of paper	Name of Author	Title of Journal	Year of Publication
Effect of Electro Myo Stimulation and plyometrics training on sports-specific parameters in badminton players	Moattar Raza Rizvi	Sports Medicine and Health Science	2022-23
Comparison of endurance, agility, and core strength between national and state level female football players	Moattar Raza Rizvi	Saudi Journal of Sports Medicine	2022-23
Association of Selected Fitness Variables with Perceived Performance Levels in Lawn Tennis Players	Shobhit Saxena	Journal of Health and Allied Sciences NU	2022-23
Instrument-Assisted Soft Tissue Mobilization Technique versus Static Stretching in Patients with Pronated Dominant Foot: A Comparison in Effectiveness on Flexibility, Foot Posture, Foot Function Index, and Dynamic Balance	Ankita	Healthcare	2022-23
Prevalence of musculoskeletal pain among computer users working from home during the COVID-19 pandemic: a cross-sectional survey	Irshad Ahmad	Bulletin of Faculty of Physical Therapy	2022-23
The effect of active myokinetic chain release and stretching on physical performance amongst young racquet sports players.	Preeti Saini	Trends in Sport Sciences	2022-23
Comparing the effect of myofascial release and muscle energy technique on craniocervical angle and headache in tension type headache patients	Ankita	Rev. Pesqui. Fisioter	2022-23
Correlation Between Bicycle Geometry and The Lysholm Score (Knee) In Young Healthy Adult Male Cyclists	Moattar Raza Rizvi	Sports Science	2022-23

Comparing the Effect of Balance and Coordination Exercise on Different Platforms as on Floor, Swiss Ball & Foam in Geriatric Population—A Randomized Control Trial	Moattar Raza Rizvi	Aging Medicine and Healthcare	2022-23
A randomized controlled trial between hamstring muscle tightness and lumbar lordotic angle	Moattar Raza Rizvi	Comparative Exercise Physiology	2022-23
Role of physiotherapy in dealing with mental health challenges as a consequence of COVID 19: A review	Moattar Raza Rizvi	International Journal of Health Sciences	2022-23
MD Simulation Studies for Selective Phytochemicals as Potential Inhibitors against Major Biological Targets of Diabetic Nephropathy.	Moattar Raza Rizvi	Molecules	2022-23
Menopausal obesity: A contributory negligence.	Rupal Kumar	International Journal of Health Sciences	2022-23
Obesity and Stress: A Contingent Paralysis	Rupal Kumar	International Journal of Preventive medicine	2022-23
Effect of Central Fatigue on Dynamic Balance and Knee Joint Proprioception in Recreational Athletes: An Experimental Study	Pooja Sharma	Journal of Clinical and Diagnostic Research	2022-23
To Establish a Correlation between Lumbar Proprioception, Lumbar ROM with Change in Lumbar Lordosis Angle in Workers In Steel Industries	Sunita Kumari	Bulletin of Environment, Pharmacology and Life Sciences Bull. Env. Pharmacol. Life Sci.	2022-23
Association Of Explosive Power and Endurance Among Cricketers of State Level	Ghosalkar, Anagha	International Journal of Physiotherapy	2022-23
Translation of surface electromyography to clinical and motor rehabilitation applications: The need for new clinical figures	Sanjeev Gupta	Translational Neuroscience	2022-23
Effect of Footwear on Reliability Of Electromyographic Features Of Leg Muscles In Flexed Knee Heel Rise Action	Sanjeev Gupta	Journal of Data Acquisition and Processing	2022-23
Physical activity for health and fitness: past, present, and future	Nitesh Malhotra	Journal of Lifestyle Medicine	2022-23
Borderline microscopic organism and lockdown impacted across the borders—global shakers	Nitesh Malhotra	Environmental Science and Pollution Research	2022-23

High-performance biosensing systems for diagnostics of Sexually transmitted disease–A strategic review	Nitesh Malhotra	Process Biochemistry	2022-23
Comparison of intermittent pneumatic compression and active recovery after submaximal aerobic exercise in collegiate soccer players: in relation with heart rate variability and heart rate recovery.	Irshad Ahmad	Sports Science for Health	2022-23
Effectiveness of neck stabilization and Contrology training in comparison to conventional therapy amongst individuals with text neck syndrome.	Sonali Bharal	European Review for Medical and Pharmacological Sciences	2022-23
Effect of electromyostimulation and plyometrics training on sports specific parameters in badminton players	Manibhadra Panda	Sports Medicine and Health Sciences	2022-23
Effect of active myokinetic chain release and stretching on physical performance amongst young racquet sports players	Ashirbad Das	Trends in Sports Science	2022-23
Prevalence of musculoskeletal pain among computer users working from home during COVID-19 pandemic: a cross sectional survey	Lakshita Gosain	Bulletin of Faculty of Physical Therapy	2022-23
Effect of Central Fatigue on Dynamic Balance and Knee Joint Proprioception in Recreational Athletes: An Experimental Study	Pooja Sharma	Journal of Clinical and Diagnostic Research	2022-23
Association of Selected Fitness Variables with Perceived Performance Levels in Lawn Tennis Players	Sukriti Manchanda	Journal of Health and Allied SciencesNU	2022-23
Immediate and Long-Term Effectiveness of Proprioceptive Neuromuscular Facilitation and Static Stretching on Joint Range of Motion, Flexibility, and Electromyographic Activity of Knee Muscles in Older Adults	Irshad Ahmad	Journal of Clinical Medicine	2022-23
Short-term Pulmonary Rehabilitation among Post Pulmonary Tuberculosis patients during COVID-19 Pandemic	Irshad Ahmad	Thoracic Research and Practice	2022-23
Physiotherapy Practice and Deaf Patients (HOH) - Communication Barriers And Recommendations	Sanjeev Gupta	Journal of Clinical Otorhinolaryngology , Head, and Neck Surgery	2022-23

h. Book Chapters 2022-23

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference
Preeti Saini	Effect of Type of Physical Activity on the Sleep Pattern of Sport Players	NA	NA
Preeti Saini	Hormones and Weight Gain in Women	NA	NA

Details of Board of Faculty and Board of Studies tabulated below:

Board of Faculty			
1	Dr Moattar Raza Rizvi	Professor & Dean-FAHS, Chairperson	Chairman
2	Dr Divya Sanghi	Professor & Head Dept of ND, Member	Member
3	Dr Nitesh Malhotra	Associate Professor & Head Dept of PT, Member	Member
4	Dr Pratibha Singh	Professor, Dept of ND, Member	Member
5	Dr Mahak Sharma	Associate Professor Dept of ND, Member	Member
6	Dr Shishir Nigam	Associate Professor Dept of PT, Member	Member
7	Dr Priya Mishra	Assistant Professor Dept of ND, Member	Member
8	Dr Ankita	Assistant Professor Dept of PT	Member
9	Dr Ashish Devgan	Sr Professor & Unit Head Dept of Orthopaedics, Pt. B.D. Sharma, PGIMS, Rohtak, Haryana	External Member
10	Dr Komal Chouhan	Associate Professor HoD Food & Science Technology, NIFTEM, Sonipat, Haryana	External Member

Board of Studies			
Department of Nutrition & Dietetics			
1	Dr Divya Sanghi	Professor and Head	Chairman
2	Dr Pratibha Singh	Professor	Member
3	Dr Gurjeet Kaur Chawla	Professor	Member
4	Dr Kommi Kalpana	Professor	Member
5	Dr Mahak Sharma	Associate Professor	Member

6	Dr Lakhvinder Kaur	Associate Professor	Member
7	Dr Madhvi Awasthi	Assistant Professor	Member
8	Ms Divya Puri	Assistant Professor	External Member
9	Dr Mohinder Salooja	Professor & Former Director School of Agriculture, IGNOU, Delhi	External Member
10	Dr Shipra Gupta	Associate Professor, Department of Food and Nutrition, Institute of Home Economics, Delhi University	External Member
11	Dr Swapna Chaturvedi	Senior Dietician, AIIMS	External Member

Department of Physiotherapy			
1	Dr. Nitesh Malhotra	Associate Professor & Head of Department	Chairman
2	Dr. Moattar Raza Rizvi	Professor & Dean, FAHS	Member
3	Dr. Pooja Sharma	Associate Professor	Member
4	Dr. Manish Kumar	Associate Professor	Member
5	Dr. Irshad Ahmad	Assistant Professor	Member
6	Dr. Ankita Sharma	Assistant Professor	Member
8	Dr. Rajeev Aggarwal	In charge, Neuro Physiotherapy Unit, AIIMS New Delhi	External Member
9	Dr. Deepak Malhotra	Assistant Professor, Jamia Hamdard University, New Delhi	External Member

3.4 Faculty of Computer Applications

Name of Department:

S.No. Name of Department

1. Computer Applications

Admission Status:

Programme	Student Intake		Total Admissions	
	UG	PG	UG	PG
Bachelor of Computer Applications (BCA)	320		320	
B.Sc.-IT	15		11	
MCA		60		58

Faculty of Computer Applications:

List of Faculty Member

Name of the Full-time teacher	Designation	Department
Anupriya Jain	Professor	Computer Applications
Anupama Chadha/Pankaj	Professor	Computer Applications
Sonal Pathak	Associate Professor	Computer Applications
Parul Gandhi	Professor	Computer Applications
Seema Sharma	Assistant Professor	Computer Applications
Rashmi Agrawal	Professor	Computer Applications
Neha Gupta	Associate Professor	Computer Applications
Sachin Sharma	Associate Professor	Computer Applications

Neerja Negi	Assistant Professor	Computer Applications
Kavita Arora	Assistant Professor	Computer Applications
Raj Kumar	Assistant Professor	Computer Applications
Sonia Duggal	Assistant Professor	Computer Applications
Priyanka Sharma	Assistant Professor	Computer Applications
Richa Vijay	Assistant Professor	Computer Applications
Aastha Budhiraja	Assistant Professor	Computer Applications
Stuti Tandon	Assistant Professor	Computer Applications
Neda Fatima	Assistant Professor	Computer Applications
Usha Batra	Professor	Computer Applications
Suhail Javed Quraishi	Professor	Computer Applications
Arvind Kumar	Associate Professor	Computer Applications
Ritu Sachdeva	Assistant Professor	Computer Applications
Priya	Assistant Professor	Computer Applications
Manpreet Singh	Assistant Professor	Computer Applications
Divya Pachauri	Assistant Professor	Computer Applications
Nitin sharma	Assistant Professor	Computer Applications
Sandeep Gulia	Assistant Professor	Computer Applications



Department at a Glance:

DEPARTMENT OF COMPUTER APPLICATIONS

i) Thrust Area

- Cloud Computing
- Image Processing
- Cyber Security
- Natural Language Processing
- Machine Learning (ML)
- Content based Learning
- Data Mining
- Brain Computer Interface
- Neural Networks
- Software Defined Networking
- Big Data
- Internet of Things (IoT)
- Android Application Development
- Computer Networks
- Web Mining
- Software Testing

ii) Academic Achievements

a. Student's Publications: 2022-23

Title of paper	Name of all the author/s	Student Authors	Journal/Conference/Book Title
The Risks of Remote Voting	Mayank Gupta, Manish Kumar, Devender Pratap Sharma, Raj Kumar	Mayank Gupta, Manish Kumar, Devender Pratap Sharma	International Journal in Research in Applied Science & Engineering Technology (IJRASET)
An Efficient Approach for Detection of Failure in Data Analysis by Using Proposed Modified K-Means Clustering	Sonia, Sachin Sharma	Sonia	Mathematical Statistician and Engineering Applications
Applying Machine Learning enabled myriad fragment empirical modes in 5G communications to detect profile injection attacks	Sonia, Sachin Sharma	Sonia	Wireless Networks
An Overview of Image Restoration Techniques	Arun Siwach, Aradhna, Anshul Pradhan, Rashmi Aggarwal	Arun Siwach, Aradhna, Anshul Pradhan	TJER-International Research Journal
Comprehensive assessment of Reverse Social Engineering to Understand Social Engineering Attacks	Ayush Bishnoi, Garv, Sagar Bishnoi, Neha Gupta	Ayush Bishnoi, Garv, Sagar Bishnoi	NA
An Adaptive Recommender System Framework for Personalized E-Learning	Aneesh Kumar, Kirti Upadhyay, Neha Gupta	Aneesh Kumar, Kirti Upadhyay	NA
Analysis of Gall Bladder & Kidney Stone using Spectroscopic Techniques - A Review	Lokesh Phagna, Neha Gupta	Lokesh Phagna	NA
Role of RFID Technology in Engineering Applications	Vivek Kumar, Trisha Singh, Pooja Dagar, Rashmi Aggarwal	Vivek Kumar, Trisha Singh, Pooja Dagar	International Journal of Computers (IJC)
Performance Evaluation of KNN & Decision Tree in Prediction of Heart Disease	Aniket, Vivek Malhotra, Jobin, Neha Gupta	Aniket, Vivek Malhotra, Jobin	NA
A Systematic Review of Existing Cloud Computing Platforms	Simran, Sonal Pathak	Simran	

Big Data Fabric Architecture for Enterprises	Varun, Kavita	Varun	Journal of Information and Computational Science
Brain Computer Interfaces in Healthcare	Bhagvender Singh, Devansh, Ramandeep Suthar, Kavita Arora	Bhagvender Singh, Devansh, Ramandeep Suthar	NA
WOGUARD	Yuvraj singh, Kavita Arora	Yuvraj	International Journal for Research in Applied Science & Engineering Technology (IJRASET)
Comparative analysis of Machine learning algorithms to predict cancer growth in the human body	Charu Taneja, Sonal Pathak	Charu Taneja	NA
Big Data in Cloud computing: An overview	Shiva Sharma, Neerja Negi	Shiva Sharma	International Journal for Research in Applied Science & Engineering Technology (IJRASET)
Egyptian Vulture Optimization algorithm-based Data Hiding Technique	Sonia, Sachin Sharma	Sonia	Journal of Northeastern University
Analysis of load balancing techniques in Cloud Computing	Nisha, Parul, Khushboo, Sachin Sharma	Nisha, Parul, Khushboo	
Can Electric Vehicles Be Our India's Future?	Ankit kumar, Anant tyagi, Sachin Sharma	Ankit kumar, Anant tyagi	NA
A novel Artificial Intelligence inspired approach for analysing sentiments using Neural networks	Sachin Sharma	Sachin Sharma	NA
Review on Ethical Hacking and Its Techniques	Hardik Saini, Kamlesh Belwal, Deepak Makhija, Sachin Sharma	Hardik Saini, Kamlesh Belwal, Deepak Makhija	International Input-Output Association (IIOA)
Proactive Role of Big Data and IOT in Building smart cities	Harshit Saxena, Suraj Kumar Yadav, Shubham Rana, Anupama Chadha	Harshit Saxena, Suraj Kumar Yadav, Shubham Rana	NA
Role of cloud computing and IOT in the Development of smart city	Yogesh Khutela, Yogesh singh, Yogesh sharma, Anupama Chadha	Yogesh Khutela, Yogesh singh, Yogesh sharma	NA

b. Students benefited by career counseling and guidance for competitive Examinations: 2022-23

Activity Description	No. of Participants
International PolarDB Hackathon	43
XROS Fellowship programme under Metaverse	70
Synergism: Student Counselling & Mentorship	100
Industry Expectation in the World of AI	61
International Alumni Connect Activity – Expert Talk	150
International Webinar on Geometric Reasoning and Machine Learning in Digital Manufacturing and Design Applications.	250
International Webinar on “Techniques used in Visualization of high dimensional data for research”	60
Alumni Expert Talk	66
Alumni Connect Activity	192
International Webinar on TLS Fingerprinting Using JA3	150
Webinar on Proactive approaches to combat Cyber-crime in Digital World	70
Webinar on Security in Blockchain Technology	78
Workshop by Alumni on Cyber Security	123
SDP on Mastering Git	62
Webinar on How to become a secured web user	57
Orientation for BCA, MCA & B.Sc. IT second semester	350
Seminar on Azure Open Source	76
Seminar on Blockchain Technology	76
Online Alumni Expert Talk	109
Master class on Cyber Security Breaches and Current Legal Challenges	87
Industrial visit to Coca-Cola Beverages Ltd, Greater Noida	41
Webinar on Phishing and Social Engineering	235
Master Class on Proactive approaches to combat Financial Frauds in the Digital World	150
Webinar on Firewall's of cyber world	69
International Alumni Connect Activity – Expert Talk	200

c. Student progression to higher education in percentage during the year:2022-23

Name of students enrolled for higher education	Graduated from which Programme	Name of Institution Joined	Admitted to (Name of Programme)
Abhijeet Singh	Bachelor of Computer Applications	Kiet Group of Institutions, Dr Apj Abdul Kalam University, Lucknow	MCA
Afiya Fatima	Bachelor of Computer Applications	Manav Rachna International Institute of Research and Studies	MCA
Alisha Singh	Bachelor of Computer Applications	Chandigarh University	MCA
Aman Jena	Bachelor of Computer Applications	Manav Rachna International Institute of Research and Studies	MCA
Aman Kumar Thanuan	Bachelor of Computer Applications	Manav Rachna International Institute of Research and Studies	MCA
Ansh Kumar Choudhary	Bachelor of Computer Applications	Manav Rachna International Institute of Research and Studies	MCA
Aryaman Singh	Bachelor of Computer Applications	Manav Rachna International Institute of Research and Studies	MCA
Ashish Negi	Bachelor of Computer Applications	Manav Rachna International Institute of Research and Studies	MCA
Atish Tanwar	Bachelor of Computer Applications	Manav Rachna International Institute of Research and Studies	MCA
Ayush Bishnoi	Bachelor of Computer Applications	Manav Rachna International Institute of Research and Studies	MCA
Bhagvender Singh	Bachelor of Computer Applications	Manav Rachna International Institute of Research and Studies	MCA
Devansh	Bachelor of Computer Applications	Manav Rachna International Institute of Research and Studies	MCA
Dipanshu	Bachelor of Computer Applications	Manav Rachna International Institute of Research and Studies	MCA
Garv	Bachelor of Computer Applications	Chandigarh University	MCA
Himanshu Mishra	Bachelor of Computer Applications	Manav Rachna International Institute of Research and Studies	MCA
Melbin Kurien	Bachelor of Computer Applications	Manav Rachna International Institute of Research and Studies	MCA
Nitasha Bansal	Bachelor of Science - Information Technology (B.Sc.-IT)	Manav Rachna International Institute of Research and Studies	MCA

Pallavi	Bachelor of Computer Applications	Manav Rachna International Institute of Research and Studies	MCA
Purvanshi Tyagi	Bachelor of Computer Applications	Manav Rachna International Institute of Research and Studies	MCA
Rakesh Chand Kurai	Bachelor of Computer Applications	Manav Rachna International Institute of Research and Studies	MCA
Sanjana Das	Bachelor of Computer Applications	Manav Rachna International Institute of Research and Studies	MCA
Sanju	Bachelor of Science - Information Technology (B.Sc.-IT)	Manav Rachna International Institute of Research and Studies	MCA
Sarthak Bhatia	Bachelor of Computer Applications	Manav Rachna International Institute of Research and Studies	MCA
Sarthak Burmi	Bachelor of Computer Applications	Manav Rachna International Institute of Research and Studies	MCA
Soumya Ranjan Barik	Bachelor of Computer Applications	Manav Rachna International Institute of Research and Studies	MCA
Syed Amir Husain	Bachelor of Computer Applications	Guru Gobind Singh Indraprastha University	MCA
Yuvraj Singh Siwal	Bachelor of Computer Applications	Manav Rachna International Institute of Research and Studies	MCA
Yash Thakur	Bachelor of Computer Applications	Sharda School of Engineering	MCA
Manpreet Singh	Bachelor of Computer Applications	Balaji Institute of Technology & Management	MCA
Aryan Kukreja	Bachelor of Computer Applications	DAV Institute of Management	MCA
Yatharth Sharma	Bachelor of Computer Applications	Birla Institute of Technology	MCA

d. Faculty members: Awards & Recognitions: 2022-23

Name of Faculty Member	Awards/Recognition
Kavita Arora	Best Women Faculty Award, SIPH (Registered under the Ministry of SME, Govt. of India (30-06-2023))
Anupriya Jain	National Pride Award, Socially Point Foundation (Regd.) NITI AAYOG Govt. of India. Ministry of MSME Govt. India (28-06-2023)
Usha Batra	IRSD Prominent Researcher Award 2023, International Institute of Organized Research - IZOR (A Registered MSME with Ministry of MSME, Government of India and Green ThinkerZ (A Registered Society with Government of Punjab, India in association with Centre for Smart Modern Construction, Western Sydney University, Australia, Jamia Hamdard New Delhi and IIT Bombay Spoken Tutorial. (30-05-2023)

Suhail Javed Quraishi	Prominent Educator Award, International Institute of Organized Research - I2OR (A Registered MSME with Ministry of MSME, Government of India and Green ThinkerZ (A Registered Society with Government of Punjab, India in association with Centre for Smart Modern Construction, Western Sydney University, Australia, Jamia Hamdard New Delhi and IIT Bombay Spoken Tutorial.(30-05-2023)
Sachin Sharma	National Pride Award, National Pride Award, Socially Point Foundation (Regd.) NITI AAYOG Govt. of India. Ministry of MSME Govt. India (23-05-2023)
Usha Batra	Post Doc Fellowship Award for Visiting Postdoctoral Award, University of Technology, Sydney, Australia (09-05-2023)
Usha Batra	Global Faculty Award 2022, AKS Education Awards (11-02-2023)
Ritu Sachdeva	Best Innovator(Female) Award, Nikhil Bharat Shiksha Parishad, West Bengal(18-12-2022)
Parul Gandhi	Eminent Educator Award, Bengal Education Conclave and SikshaSamman, West Bengal (18-12-2022)
Rashmi Agrawal	Vocational Excellence Award, Rotary club of Mumbai west Coast (02-12-2022)
Rashmi Agrawal	Shaurya Veer Samman, Shaurya Veer Samman Samaroh, MERI college of Engineering and Technology, Rohtak (01-11-2022)
Usha Batra	Dr APJ Abdul Kalam Puraskar for Excellence in Research and Innovation, International Council of Social Reforms and Research, Ghaziabad (15-10-2022)
Arvind Kumar Dangi	Best Indian Researcher Award, Global Academic Excellence Awards EMG-SSM Trust (02-09-2022)
Neha Gupta	Best Indian Researcher Award, World Innovation Patent Conclave (26-08-2022)
Rashmi Agrawal	PAAI Unsung Heroes Award, Prithvi Abhyuday Association, India (15-08-2022)

e. FDPs attended by Faculty Members: 2022-23

Name of the Faculty member	Title of the Event	Date From	Date to
Aastha Budhiraja	FDP on Machine Learning and predictive Analysis using Python recognized by AICTE	11-07-2022	15-07-2022
Aastha Budhiraja	FDP on Curriculum Development in light of NEP 2020 in HEI	17-04-2023	21-04-2023
Anupama Chadha	FDP on Curriculum Development in light of NEP 2020 in HEI	17-04-2023	21-04-2023
Anupama Chadha	FDP on Energy Harvesting and Storage Materials and Devices	12-09-2022	16-09-2022
Anupriya Jain	FDP on Curriculum Development in light of NEP 2020 in HEI	17-04-2023	21-04-2023
Arvind Kumar	FDP on Block Chain	20-03-2023	24-03-2023
Arvind Kumar	FDP on Curriculum Development in light of NEP 2020 in HEI	17-04-2023	21-04-2023
Gunjan Verma	FDP on Curriculum Development in light of NEP 2020 in HEI	17-04-2023	21-04-2023
Kavita Arora	FDP on Curriculum Development in light of NEP 2020 in HEI	17-04-2023	21-04-2023
Kavita Arora	AICTE-ATAL Workshop on Designing and Modelling of IoT, AI & ML Systems	01-08-2022	05-08-2022

Kavita Arora	FDP on Inculcating Universal Human Values in Technical Education	05-12-2022	09-12-2022
Manpreet Singh	FDP on Curriculum Development in light of NEP 2020 in HEI	17-04-2023	21-04-2023
Neerja Negi	FDP on Curriculum Development in light of NEP 2020 in HEI	17-04-2023	21-04-2023
Neerja Negi	FDP on Effective Curriculum Implementation	12-12-2022	16-12-2022
Neerja Negi	Entrepreneurship, Innovations & Digital Skills in New Era of AI	25-07-2022	29-07-2022
Neha Gupta	FDP on Curriculum Development in light of NEP 2020 in HEI	17-04-2023	21-04-2023
Parul Gandhi	FDP on Curriculum Development in light of NEP 2020 in HEI	17-04-2023	21-04-2023
Parul Gandhi	FDP on MLOps (Machine Learning Operations)	02-02-2023	06-02-2023
Parul Gandhi	FDP on Online Learning and Evaluation	20-03-2023	24-03-2023
Parul Gandhi	FDP on IoT and Drone	27-02-2023	04-03-2023
Priya Tanwar	FDP on BlockChain	20-03-2023	24-03-2023
Raj Kumar	FDP on Curriculum Development in light of NEP 2020 in HEI	17-04-2023	21-04-2023
Raj Kumar	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023
Rashmi Agrawal	FDP on Curriculum Development in light of NEP 2020 in HEI	17-04-2023	21-04-2023
Rashmi Agrawal	FDP on Smart Future Technologies in AI ML & Data Analytics	03-04-2023	07-04-2023
Sachin Sharma	FDP on Curriculum Development in light of NEP 2020 in HEI	17-04-2023	21-04-2023
Seema Sharma	FDP on Curriculum Development in light of NEP 2020 in HEI	17-04-2023	21-04-2023
Sonal Pathak	FDP on Curriculum Development in light of NEP 2020 in HEI	17-04-2023	21-04-2023
Sonal Pathak	FDP on Inculcating Universal Human Values in Technical Education	05-12-2022	09-12-2022
Sonia Duggal	FDP on Curriculum Development in light of NEP 2020 in HEI	17-04-2023	21-04-2023
Sonia Duggal	FDP on Inculcating Universal Human Values in Technical Education	05-12-2022	09-12-2022
Stuti Tandon	FDP on Curriculum Development in light of NEP 2020 in HEI	17-04-2023	21-04-2023
Stuti Tandon	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023
Suhail Javed Quraishi	FDP on Business Analytics with Interactive Live Dashboard	28-02-2023	04-03-2023
Suhail Javed Quraishi	FDP on Curriculum Development in light of NEP 2020 in HEI	17-04-2023	21-04-2023
Suhail Javed Quraishi	FDP on Planning, Execution and Evaluation of Project Work	20-02-2023	24-02-2023
Suhail Javed Quraishi	FDP on Data Science using Python	10-10-2022	14-10-2022
Sunita Joshi	FDP on Curriculum Development in light of NEP 2020 in HEI	17-04-2023	21-04-2023
Usha Batra	FDP on Curriculum Development in light of NEP 2020 in HEI	17-04-2023	21-04-2023

Usha Batra	One Week DST Stuti Training Program on Recent Trends & Innovations in Computer Science & Engineering	28-11-2022	05-12-2022
Usha Batra	FDP on Innovation in Mentoring Pedagogy and Incorporation of ICT techniques in Education	30-01-2023	04-01-2023

f. Events Organized: 2022-23

Title	From Date	To Date
Workshop on Microsoft Excel	03-04-2023	07-04-2023
FDP on Curriculum Development in Light of NEP 2020 in HEI	17-04-2023	21-04-2023
2nd International Research Conclave: Essentials of Quality Research	28-04-2023	29-04-2023

g. Faculty Research Papers: 2022-23

Title of paper	Name of the author/s	Name of journal	Year of publication
Domain Adaptable Model for Sentiment Analysis	Rashmi Agrawal	Mechatronic Systems and Control	2022-23
CFS-MHA: A Two-Stage Network Intrusion Detection Framework	Neha Gupta	International Journal of Information Security and Privacy (IJISP) IGI Global	2022-23
Egyptian Vulture Optimization Algorithm-Based Data Hiding Technique	Sachin Sharma	Journal of Northeastern University	2022-23
An Efficient Technique of Load Balancing in Cloud Computing	Parul Gandhi	Computer Integrated Manufacturing System	2022-23
A systematic survey of RUM process parameter optimization and their influence on part characteristics of nickel 718	Usha Batra	Nature's Scientific Reports	2022-23
Application of Machine Learning and Big Data in Improving Supply Chain Financial Risk Management System.	Anupriya Jain, Seema Sharma	A Journal for New Zealand Herpetology	2022-23
Educational Perspective of intellectual property rights	Arvind Kumar Dangi	Russian Law Journal	2022-23
Machine learning based biomedical image processing for echocardiographic images	Rashmi Agarwal	Multimedia Tools and Applications	2022-23

Machine learning based Software Fault Prediction models	Parul Gandhi	Karbala International Journal of Modern Science	2022-23
A Critical Analysis of applicability of Artificial Intelligence in the field of Management	Anupama Chadha	A Journal for New Zealand Herpetology	2022-23
Optimizing Data Quality of a Data Warehouse using Data Purgation Process	Neha Gupta	International Journal of Data Mining, Modeling and Management	2022-23
Network intrusion detection using meta-heuristic feature selection and cost-sensitive learning	Neha Gupta	International Journal of Internet Technology and Secured Transactions	2022-23
A two-staged NLP-based framework for assessing the sentiments on Indian supreme court judgments	Neha Gupta	International Journal of Information Technology (Singapore)	2022-23
LTE-NBP with holistic UWB-WBAN approach for the energy efficient biomedical application	Rashmi Agrawal	Multimedia Tools and Applications	2022-23
An Empirical Analysis of Machine Learning and Strategic Management of Economic and Financial Security and its Impact on Business Enterprises	Anupriya Jain, Seema Sharma	A Journal of New Zealand Herpetology (Biogecko)	2022-23
Fungal Infection and Allergy related Disease prediction with the help of machine learning XGBClassifier and Decision Tree Algorithms	Arvind Kumar	International Journal of Scientific Development and Research	2022-23
An Efficient Approach for Detection of Failure in Data Analysis by Using Proposed Modified K-Means Clustering	Sachin Sharma	Mathematical Statistician and Engineering Applications	2022-23
Applying Machine Learning enabled myriad fragment empirical modes in 5G communications to detect profile injection attacks	Sachin Sharma	Wireless Networks	2022-23
Reusability Enhancement of Object-Oriented(O-O) Software System Using Hybrid Data Mining Technique	Parul Gandhi	Computer Integrated Manufacturing System	2022-23
Blockchain-empowered security enhancement IoT framework in Building Management System	Parul Gandhi	International Journal on Recent and Innovation Trends in Computing and Communication	2022-23

Identification of relevant features influencing movie reviews using sentiment analysis	Neha Gupta	International Journal of Data Mining, Modeling and Management	2022-23
An Enhanced Software Framework for Improving	Parul Gandhi	Engineering, Technology & Applied Science Research	2022-23
Secured wireless sensor networks using hybrid Rivest Shamir Adleman with ant lion optimization algorithm	Seema Sharma	Wireless Networks	2022-23

h. Book Chapters: 2022-23

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference
Neha Gupta, Sheetal Jalte, Rashmi Deshmukh	Computational Theory: Problems & Solutions	NA	NA
Seema Sharma	The Data Driven Blockchain Ecosystem	NA	NA
Parul Gandhi & N K Chadha	Thesis Writing: A Complete Guide to Research and Ph.D Journey	NA	NA
Parul Gandhi	Dissertation Writing: A Complete Guide to Research	NA	NA
Anupriya Jain, Seema Sharma	Machine Learning for Absolute Beginners	NA	NA
Rashmi Agrawal & Neha Gupta	Blockchain Applications in Cybersecurity Solutions	NA	NA
Neha Gupta, Rashmi Agrawal	Integrating Semantic Acquaintance for Sentiment Analysis	NA	NA

Neha Gupta, Rashmi Agrawal	A study of graph analytics for massive datasets	NA	NA
Parul Gandhi; Preeti Chikara; Meenakshi Yadav	IoT-enabled healthcare - a paradigm shift	NA	NA
Neha Gupta	Bayesian Network-Based Decision Support for Pest Management	NA	NA
Manpreet Singh	Artificial Intelligence & Machine Learning: Applications and Challenges	NA	NA
Rashmi Agrawal, Raj Kumar	Understanding Daily Tech Alphabets	NA	NA
Neha Gupta, Rashmi Agrawal	Applications of Blockchain in Cyber Security Industry	NA	NA
Neha Gupta, Sheetal Jalte	Overview of Attack Surfaces in Blockchain	NA	NA
Rashmi Agrawal, Neha Gupta	Blockchain Based Access Control Systems	NA	NA
Neha Gupta, Rashmi Agrawal	Multi-chain Deployment over Smart Contracts to Enhance Security	NA	NA
Neha Gupta, Melody Moh, Rashmi Agrawal	Blockchain for Decentralized Services: On Improving Security and Performance of Distributed IPFS-based Web Applications	NA	NA

Details of Board of Faculty and Board of Studies tabulated below:

Board of Faculty			
1	Dr. Usha Batra	Prof. & Dean-FCA	Chairperson
2	Dr. Suhail Javed Quraishi	Prof. & Head-FCA	Member
3	Dr. Rashmi Agrawal	Prof. & Head- FCA	Member
4	Dr. Neha Gupta	Professor- FCA	Member
5	Dr. Sonia Duggal	Associate Professor- FCA	Member
6	Dr. Sachin Sharma	Associate Professor- FCA	Member
7	Dr. Raj Kumar	Assistant Professor- FCA	Member
8	Ms. Aastha Budhiraja	Assistant Professor- FCA	Member
9	Dr. Richa Yadav	Assistant Professor- FCA	Member
10	Dr. Manju Khari	Associate Professor-SC&SS, Jawaharlal Nehru University, New Delhi	External Member
11	Dr. Rashmi Gupta	Professor-ECE, Netaji Subhas University of Technology (NSUT), Delhi	External Member

Board of Studies			
1	Dr. Usha Batra	Prof. & Dean-FCA	Chairperson
2	Dr. Suhail Javed Quraishi	Prof. & Head-FCA	
3	Dr. Rashmi Agrawal	Prof. & HoD-CA	Member
4	Dr. Parul Gandhi	Professor-CA	Member
5	Dr. Anupma Pankaj	Professor-CA	Member
6	Dr. Anupriya Jain	Professor-CA	Member
7	Dr. Neha Gupta	Professor-CA	Member
8	Dr. Sonal Pathak	Associate Professor-CA	Member
9	Dr. Sachin Sharma	Associate Professor-CA	Member
10	Dr. Kavita Arora	Associate Professor-CA	Member
11	Dr. Ritu Sachdeva	Assistant Professor-CA	Member

12	Dr. Richa Yadav	Assistant Professor-CA	Member
13	Dr. Neerja Negi	Assistant Professor-CA	Member
14	Dr. Seema Sharma	Assistant Professor-CA	Member
15	Ms. Vishwajyoti	Assistant Professor-CA	Member
16	Mr. Jeevan Talegaonkar	Vice President, Jio, Gurugram	External Member
17	Dr. Syed Afzal Murtaza Rizvi	Professor-CSE, Jamia Millia Islamia University, New Delhi	External Member

3.5 Faculty of Media & Humanities

Name of Department:

S.No. Name of Department

1. Department of Journalism and Mass Communication
2. Department of English

Admission Status:

Departments	Student Intake		Total Admissions	
	UG	PG	UG	PG
BA-Journalism and Mass Communication (BJMC)	40		44	
BA (Hons) English	50		51	
MA-Journalism and Mass Communication (MJMC)		06		05
MA English		10		10

Faculty of Media & Humanities:

List of Faculty Member

Name of the Full-time	Designation	Department
Suman Kumari	Associate Professor	Journalism & Mass Communication
Ankita Bharti	Assistant Professor	Journalism & Mass Communication
Maithili Ganjoo	Professor	Journalism & Mass Communication
Rahul Joshi	Assistant Professor	Journalism & Mass Communication
Krishna Pandey	Associate Professor	Journalism & Mass Communication
Mithali Mohanty	Assistant Professor	Journalism & Mass Communication
Aman Vats	Professor	Journalism & Mass Communication
Kumar Raajesh	Professor	Journalism & Mass Communication

Kalyan Srinivas Raygalla	Assistant Professor	Journalism & Mass Communication
Tinam Borah	Assistant Professor	Journalism & Mass Communication
Mantosh Kumar	Assistant Professor	Journalism & Mass Communication
Kiran Bala	Professor	Journalism & Mass Communication
Nibha Sinha	Associate Professor	Journalism & Mass Communication
Shipra Singh	Assistant Professor	Journalism & Mass Communication
Jai Kishon Goswami	Assistant Professor	Journalism & Mass Communication
Sujata	Associate Professor	English
Shivani Vashisht	Professor	English
Jyoti Sharma	Professor	English
Swati Chauhan	Associate Professor	English
Tripti Tyagi	Assistant Professor	English
Jayashree Hazarika	Assistant Professor	English
Sunil Kamal	Assistant Professor	English
Sumallaya Mukhopadhyay	Assistant Professor	English
Kanupriya Pathik	Assistant Professor	English



DEPARTMENT OF JOURNALISM & MASS COMMUNICATION

i. Thrust Area:

The Department of Journalism and Mass Communication established in 2007 offers courses at Bachelor, Post graduate and Doctoral levels, in Media Studies with focus on Journalism and Mass Communication including Advertising, Public Relations and Corporate Communication, Film production, Social Media Design and Development Communication. The Department has an in-house TV studio, Community radio station and dedicated labs to train students in the latest AR, MR and VR innovations that are impacting the news and entertainment industry. These media labs have state-of-the-art equipment and latest software to provide hands-on training to design and produce for different media like print, radio, television and video production. The Department has robust research capabilities, research projects on development communication, and sponsored workshops.

ii. Academic Achievement:

a. Students benefited by career counseling and guidance for competitive Examinations: 2022-23

Activity Description	No. of Participants
Guest Lecture by Dr Alpana on Anchoring	25
Digital Media Industry trends & Challenges	25
Career in Social Media Marketing - Alumni Connect	30
Workshop on 'Undertaking Competitive Examinations'	18
International Expert Lecture- Covid and Coloniality	38
Master Class on Human Machine convergence and de – intermediatized Communication	21
Photography Workshop by Sony	44
International Expert Lecture-International Journalism: The Current State of Profession	40
Workshop Vlogging by Canon India	20
Workshop on Fake News Identification	6
International Expert Lecture-Use of artificial intelligence by social workers to help unhoused teens in USA	29
Master Class on TV Production	40
Master class on Data Journalism	30
Workshop on Lighting Techquines	26
International Expert Lecture- Fake News in India: Recognise and Debunk	30
Panel Discussion on 'Artificial Intelligence in Newsroom: Opportunities or Challenges?	57

b. Student progression to higher education during the year:2022-23

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Ankit Jaglan	B.A Journalism and Mass communication	Manav Rachna International Institute Of Research And Studies	MAMC
Harsh Tokas	B.A - Journalism & Mass Communication	Jamia Milia Islamia Univ	MA in Human Rights & Media
Himanshi Arora	B.A Journalism and Mass communication	Arena Animation	UI & UX DEsign Course
Maulii Kulsreshtha	B.A Journalism and Mass communication	Amity University, Noida	MA (Advertising and Marketing Management)
Naman Kalra	B.A Journalism and Mass communication	Amity University, Noida	Master of Business Administration, International Business
Niyati Agarwal	B.A Journalism and Mass communication	Nrai School Of Mass Communication	MJMC
Poonji Sharma	B.A Journalism and Mass communication	Manav Rachna International Institute of Research and Studies, Faridabad	Master's in business administration
Priyanshi Sharma	B.A Journalism and Mass communication	India Today Media Institute	PG Diploma in Digital Media and Communications
Sakshi Biswas	MAJMC	Manav Rachna International Institute of Research and Studies, Faridabad	PhD in Journalism and Mass Communication
Sakshi Sharma	B.A Journalism and Mass communication	Sharda University Noida	School of Media Film & Entertainment Program: Master of Journalism & Mass Comm
Shambhavi Punam	B.A - Journalism & Mass Communication	International School of Media & Entertainment Studies (ISOMES)	PGD in Broadcast Journalism
Somya Sharma	B.A Journalism and Mass communication	Amity University, Noida	MA in Journalism & Mass Communication
Tanveer Lohia	B.A - Journalism & Mass Communication	Jamia Milia Islamia University	MA in Human Rights & Media
Vipin Saini	B.A Journalism and Mass communication	Manav Rachna International Institute of Research and Studies	MA MC
Waqar Ahmad	B.A Journalism and Mass communication	Central University of Jammu	Mass Communication & New Media

c. Faculty members: Awards & Recognitions: 2022-23

Name of Faculty Member	Awards/Recognition
Kiran Bala	I.C.J Global Award 2023, International Council for Journalist and Newspaper Association of India in Association with SGT University, Gurugram (05-05-2023)

d. FDPs attended by Faculty Members: 2022-23

Name of Faculty Member	FDP/Workshop/Conference Attended	Date From	Date To
Krishna Pandey	FDP on Effective Teaching Learning using Social Media	05-06-2023	09-06-2023
Krishna Pandey	FDP on Business and Soft Skill Management	19-09-2022	23-09-2022
Krishna Pandey	FDP on Design, Develop & Standardize: Research Tools	12-09-2022	16-09-2022
Krishna Pandey	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Nibha Sinha	FDP on Curriculum Design for Developing Job related Competencies	09-01-2023	13-01-2023
Nibha Sinha	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Nibha Sinha	FDP on Textual and Discursive Construction of Media Innovation and Entrepreneurship	30-01-2023	04-02-2023
Nibha Sinha	FDP on Effective Teaching Learning using Social Media	05-06-2023	09-06-2023
Tinam Borah	FDP on Gender Research & Social Change	27-07-2022	03-08-2022
Tinam Borah	FDP on Curriculum Design for Developing Job related Competencies	09-01-2023	13-01-2023
Tinam Borah	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Jai Kishon Goswami	FDP on Data Science using Python	10-10-2022	14-10-2022
Jai Kishon Goswami	FDP on Curriculum Design for Developing Job related Competencies	09-01-2023	13-01-2023
Jai Kishon Goswami	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Jai Kishon Goswami	Orientation Workshop on Women's Studies: Basic Concepts	10-10-2022	16-10-2022
Jai Kishon Goswami	FDP on Effective Teaching Learning using Social Media	05-06-2023	09-06-2023
Rahul Joshi	FDP on Curriculum Design for Developing Job related Competencies	09-01-2023	13-01-2023
Rahul Joshi	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023

Suman Kumari	FDP on Effective Curriculum Implementation	12-12-2022	16-12-2022
Suman Kumari	FDP on Outcome Based Curriculum Design	05-09-2022	09-09-2022
Suman Kumari	FDP on Business and Soft Skill Management	19-09-2022	23-09-2022
Suman Kumari	FDP on Creating and Stimulating Research Based Teaching in Higher Education	25-07-2022	31-07-2022
Suman Kumari	FDP on Curriculum Design for Developing Job related Competencies	09-01-2023	13-01-2023
Suman Kumari	FDP on Effective Teaching Learning using Social Media	05-06-2023	09-06-2023
Maithili Ganjoo	FDP on Curriculum Design for Developing Job related Competencies	09-01-2023	13-01-2023
Maithili Ganjoo	Four Week Online Certification Training on Ending Violence Against Women Awareness of	08-04-2023	29-04-2023
Maithili Ganjoo	FDP on Effective Teaching Learning using Social Media	05-06-2023	09-06-2023
Ankita Bharti	FDP on Curriculum Design for Developing Job related Competencies	09-01-2023	13-01-2023
Ankita Bharti	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Ankita Bharti	FDP on Effective Teaching Learning using Social Media	05-06-2023	09-06-2023
Kiran Bala	FDP on Curriculum Design for Developing Job related Competencies	09-01-2023	13-01-2023
Kiran Bala	FDP on Effective Teaching Learning using Social Media	05-06-2023	09-06-2023
Maithili Ganjoo	International Workshop on Research Method & Methodology	26-05-2023	03-06-2023

e. Event Organised: 2022-23

Title	From Date	To Date
Workshop on Unlocking Data Analytics: Scrapping, Wrangling & Analyzing Digital Content	21-03-2023	21-03-2023
STC on Effective Teaching Learning using Social Media	05-06-2023	09-06-2023
International Media Conference – ICAN6 on Identity, Culture and Agenda-driven Newscast (ICAN)	22-06-2023	22-06-2023

f. Faculty Research Papers: 2022-23

Title Of Paper	Name Of The Author/S	Name Of Journal	Year Of Publication
Media Aur Uska Badalta Paridrishya	Maithili Ganjoo	Madhya Bharti	2022-23
Gramin Bharat Ko Sashakt Banane Me Tv Channel On Ki Bhumika	Maithili Ganjoo	Shodhsamhita	2022-23
A Study On Agriculture Transformation And Livelihood Changes Among The Farmers Of Uttar Pradesh	Maithili Ganjoo	Rabindra Bharati Journal Of Philosophy	2022-23
Gender And Media Access: A Study On Women Farmers Agricultural Information Need And Accessibility	Maithili Ganjoo	Journal Of Fundamental & Comparative Research	2022-23
Young Women's Participation On Social Media Platforms: Lifestyle Changes And Challenges	Maithili Ganjoo	Journal Of Education: Rabindra Bharati University	2022-23
Dynamics Of Regional Television In India: A Systematic Literature Review	Maithili Ganjoo	Journal Of Content, Community & Communication	2022-23
Language, Culture And Local News: Evolution Of Regional Television In Kerala	Maithili Ganjoo	Media Watch	2022-23
Role of Mass Media In Agricultural Transformation: A Study On Farming Practices In Western Uttar Pradesh	Maithili Ganjoo	Anvesak	2022-23
Women And social media: A Study Of Lifestyle, Agency And Identity	Maithili Ganjoo	Niu International Journal Of Human Rights	2022-23
Gestational Diabetes Detection Using Machine Learning Algorithm: Research Challenges of Big Data And Data Mining	Maithili Ganjoo	International Journal Of Intelligent Systems And Applications In Engineering	2022-23
Role of PSAS In Raising Awareness Of Sanitation Among Rural Women	Suman Kumari	Shodh Prabha	2022-23
Mass Media Health Communication and Behavior Change: A Theoretical Framework	Suman Kumari	Rabindra Bharati Journal Of Philosophy	2022-23
Audience Reception Towards Women Centric Documentary Films: A Study To Gauge Effectual Film-Ideation Practices	Kiran Bala	Mass Communicator	2022-23

g. Book Chapters: 2022-23

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference /
Prof Maithili Ganjoo	Coming Out of the Closet: Emerging Third Gender 'Hero' of the Popular Hindi Films–Analysing New Narrative	Advertising Gender and social media	NA
Prof Maithili Ganjoo	GENDER & POPULAR VISUAL CULTURE IN INDIA (Book) Women and Emerging Agency in Hindi Partition Cinema (Chapter 9)	NA	NA
Prof Maithili Ganjoo	Media Issues and Debates in Contemporary India (Edited Book)	NA	NA
Krishna Pandey	Advertising Gender & Social Media (Chapter: Board Examinations And the Concept of Pariksha pe Charcha: A Study	Board Examinations And the Concept of Pariksha pe Charcha: A Study	Education, Health & Politics
Kiran Bala	Chapter-Legal & Social Perspective of Surrogacy Bill 2019 (Media Issues and Debates in Contemporary India)	NA	NA
Ms. Ankita Bharti	Media Issues and Debates in Contemporary India (Chaper: Analyzing the Role of Hindi Cinema in Health Communication: A Study of Delhi NCR)	Analyzing the Role of Hindi Cinema in Health Communication : A Study of Delhi NCR	NA
Suman Kumari	A comparative analysis of Prime Time news of four Hindi News Channels during first wave of COVID-19 pandemic	COVID-19 Impact & Fake News	NA
Suman Kumari	The Role of Gender in Women Healthcare Communication: A Study of a Primary Healthcare Center in Nagaur (Rajasthan)	Advertising Gender and Social Media	NA
Suman Kumari	Media Issues and Debates in Contemporary India (Chaper: Analyzing the Role of Hindi Cinema in Health Communication: A Study of Delhi NCR)	Analyzing the Role of Hindi Cinema in Health Communication : A Study of Delhi NCR	NA

Suman Kumari	Media Issues and Debates in Contemporary India (Edited Book)	NA	NA
Suman Kumari	Media Issues and Debates in Contemporary India (Chaper: An Analysis of changing customer needs on OTT)	An Analysis of changing customer needs on OTT	NA
Rahul Joshi	The post truth era	Fake news: the hype and the truth	NA
Rahul Joshi	The new normal life after pandemic	An evaluation of covid 19's influence on OTT theatrical releases and audiences in India	NA

DEPARTMENT OF ENGLISH

i) Thrust Area

- Research on diverse areas like Diaspora writings, Feminism, Post colonial Literature, Indian English Novels, Confessional Poetry, Mythology, Modern and Postmodern Literature
- UG and PG programs running with a robust and extensive syllabus.

ii) Academic Achievements:

a. Student's Publications: 2022-23

Title of paper	Name of all the author/s	Student Authors	Journal/Conference/Book Title
A Study of Women Suppression and Caste Hierarchy in The work Chemmeen	Shivani Vashist	Kirti Sharma	NA
Female: Refusal to Accept the Subjective Position in Chitra Banerjee S Arranged Marriage	Kanu Priya	Meenakshi Bhatia	International Journal of Scientific Research and Engineering Development

Pain and Trauma in Anne Frank's "Diary of a young Girl"	Sujata	Shivani Patankar	International Journal of Scientific Research and Engineering Development
Trapped under Gloomy World	Dr Tripti	Vani Jaiswal	Literary Comendium - Unwinding Creativity, 2023, Deptt of English, FMeH, Vol-4

b. Students benefited by career counseling and guidance for competitive Examinations: 2022-23

Activity Description	No. of Participants
Expert Lecture on Post World War Literature	36
Expert Talk on Re-reading the 19th Century Literature: Understanding Romanticism and Realism	35
Career Counselling Activity on Mock Interview	23
Career Counselling Session on Content Writing Skills	39

c. Students progression to higher education in percentage during the year: 2022-23

Name of students enrolled for higher education	Graduated from which Programme	Name of Institution Joined	Admitted to (Name of Programme)
Aakriti Srivastava	B.A(Hons.)- English	Indra Gandhi National Open University	M.A. English
Abhinav Mangla	B.A(Hons.)- English	Coventry University	Master of Business Administration International Marketing
Alisha Gulati	B.A(Hons.)- English	Indra Gandhi National Open University	M.A. English
Anjali Pathak	B.A(Hons.)- English	Manav Rachna International Institute Of Research And Studies	M.A. English
Ankita Sehrawat	B.A(Hons.)- English	Manav Rachna International Institute Of Research And Studies	M.A. English
Bhawna Bajaj	B.A(Hons.)- English	Amity University	B.Ed.

Kanika.R	B.A(Hons.)- English	Manav Rachna International Institute Of Research And Studies	M.A. English
Gunika Dudeja	B.A(Hons.)- English	Niims Global Access School For Continuing Education	Diploma in Operations Management
Hiba Ghazal	B.A(Hons.)- English	Jamia Millia Islamia	MA Arabic
Himani Sangwan	B.A(Hons.)- English	Lloyd Law College	LLB
Iqra	B.A (Hons) English	Young Men'S Christian Association(Ymca)	M.A. English
Krishna Bhati	B.A (Hons) English	Manav Rachna International Institute of Research and Studies	M.A. English
Leeharika Jinadal	B.A (Hons) English	Manav Rachna International Institute of Research and Studies	M.A. English
Mansa Panigrahi	B.A(Hons.)- English	Manav Rachna International Institute of Research and Studies	M.A. English
Priya Vashst	B.A (Hons) English	Manav Rachna International Institute of Research and Studies	M.A. English
Riya Kataria	B.A(Hons.)- English	Manav Rachna International Institute Of Research And Studies	M.A. English
Rupal Vashist	B.A (Hons) English	Shiv College Of Education	B. Ed.
Shambhavi Tarun	B.A (Hons) English	Guru Gobind Singh Indraprasth University	M.A. English
Shikhar Gothwal	B.A(Hons.)- English	Manav Rachna International Institute of Research and Studies	M.A. English
Shivangi Jain	Master of Arts - English	Manav Rachna International Institute of Research and Studies	PhD
Shivani Patnakar	Master of Arts - English	St. Lukes College Of Education	B.Ed
Smriti	B.A(Hons.)- English	Manav Rachna International Institute of Research and Studies	M.A. English

Srishti Rai	B.A (Hons) English	Delhi University	M.A. English
Tanushri Tiwari	B.A(Hons.)- English	Manav Rachna International Institute of Research and Studies	Bharat Sarkar Prashikshan Sansthan
Pratham Bhati	B.A(Hons.)- English	Janhit College of Law	LLB
Sunita Kumari	Master of Arts - English	Manav Rachna University	B. Ed.
Shivani Mehla	B.A(Hons.)- English	Indra Gandhi National Open University	M.A. English

d. FDPs attended by Faculty Members:2022-23

Name of Faculty Member	FDP/Workshop/Conference Attended	Date From	Date To
Jyoti Sharma	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Sujata	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Swati Chauhan	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Jayashree Hazarika	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Tripti Tyagi	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Kanupriya Pathik	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Sunil Kamal	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Sumallya	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Jyoti Sharma	International Virtual Faculty Development Program "Creating and Stimulating Research Based Teaching in Higher Education"	25-07-2022	31-07-2022
Sujata	International Virtual Faculty Development Program "Creating and Stimulating Research Based Teaching in Higher Education"	25-07-2022	31-07-2022
Swati Chauhan	International Virtual Faculty Development Program "Creating and Stimulating Research Based Teaching in Higher Education"	25-07-2022	31-07-2022

Jayashree Hazarika	International Virtual Faculty Development Program "Creating and Stimulating Research Based Teaching in Higher Education"	25-07-2022	31-07-2022
Tripti Tyagi	International Virtual Faculty Development Program "Creating and Stimulating Research Based Teaching in Higher Education"	25-07-2022	31-07-2022
Kanupriya Pathik	International Virtual Faculty Development Program "Creating and Stimulating Research Based Teaching in Higher Education"	25-07-2022	31-07-2022

e. Events Organised: 2022-23

Title	From Date	To date
STC on Developing Healthy Work Culture	13-03-2023	17-03-2023

f. Faculty Research Papers: 2022-23

Title of paper	Name of the author/s	Name of journal	Year of publication
Orient Romanticised: Disruption of Orient's Reality in Select Occidental Literary Discourses	Sujata	History and Sociology of South Asi	2022-23
Childhood Trauma: A Painful Saga of Partition and its impact with reference to the work of Veera Hiranandani's The Night Diary	Shivani	Rabindra Bharti Journal of Philosophy	2022-23
Exploring "New Woman" in the Translated Works of Ashapura Devi and Suchitra Bhattacharya	Shivani	Journal of East-West Thought	2022-23
"Exploring Gender in Indian Diaspora: A Critical analysis of Meena Alexander's Selected Works	Swati Chauhan	Third Concept	2022-23
Deconstructing Diasporic consciousness: A study of Meena Alexander's selected works	Swati Chauhan	European Academic Research	2022-23
Racial Bigotry: A Critical Study of the Selected Novels of Toni Morrison	Swati Chauhan	European Academic Research	2022-23

g. Book Chapters: 202-23

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference /
Prof. Shivani	A Need for Feminist Medicine: A Brief Look at How Women are Treated at the Hands of Medical Practitioners	NA	NA
Sumallya	Understanding Climate Change and Its Impact on Myanmar: Migration, Migrants and Legal Framework	NA	NA
Prof. Sujata	Revisiting Post Colonial Literature :Thematic and Contextual Concern. "A Critical study of Dehumanization of the Marginalized in the The God of Small Things"	NA	NA
Kanu Priya	Poetic Activism in the Selected Poems of Carol Ann Duffy and Maya Angelou	NA	NA
Tripti	Diaspora on the story of 'Brignolia Shyami': Contemplating the Racial conflicts in Funny Boy	NA	NA
Tripti	A Critical Study of the Translation of Shakespearean Comedies in Sindhi Languages-47 pp	NA	NA
Swati	Depiction of Marginalized women Through Patriarchy and Religion in Taslima Nasrin,s Lajja	NA	NA
Swati Chauhan and Jyoti Sharma	Voices of the Marginalized in South asian Literature: A Critical Review	NA	NA
Tripti	Cotyledons: A Metaphor for Human Sufferings	Book	NA

Board of Faculty			
1	Dr. Maithili Ganjoo	Professor & Dean	Chairperson
2	Dr. Shvani Vashisht	Professor & HOD	Member
3	Dr. Aman Vats	Professor	Member
4	Dr. Swati Chauhan	Associate Professor	Member
5	Dr. Krishna Pandey	Associate Professor	Member
6	Dr. Kanupriya Pathak	Assistant Professor	Member
7	Dr. Tinam Borah	Assistant Professor	Member
8	Dr. Manukonda Rabindranath	Professor & Head, Center of Media Studies, Jawahar Lal Nehru University, New Delhi	External Member
9	Prof. Anup Beniwal	Dean, School of Humanites & Social Sciences, Guru Govind Singh University, Dwarka, New Delhi	External Member

Board of Studies-Journalism and Mass Communication			
1	Dr. Kiran Bala	Chairperson	Chairperson
2	Dr. Maithili Ganjoo	Professor	Member
3	Dr. Suman Kumari	Associate Professor	Member
4	Dr. Krishna Pandey	Associate Professor	Member
5	Dr. Tinam Borah	Assistant Professor	Member
6	Mr. Rahul Joshi	Assistant Professor	Member
7	Dr. Manoj Kumar Singh	Associate Professor, VIPS, New-Delhi	Member
8	Mr. Samir Kapur	Director, Adfactors PR, Delhi	External Member

Board of Studies-English			
1	Dr Shivani Vashist	Professor & HOD	Chairperson
2	Dr Jyoti Sharma	Professor	Member
3	Dr Sujata	Associate Professor	Member
4	Dr Swati Chauhan	Associate Professor	Member
5	Dr Jayashree Hazarika	Assistant Professor	Member
6	Dr Tripti Tyagi	Assistant Professor	Member
7	Prof. Anup Beniwal (External Member)	Professor, School of Humanities and Social Sciences, GGSI University, Dwarka, Delhi	External Member
8	Prof. T.N. Dhar	Professor (Rtd.), University of Kashmir	External Member

3.6. Faculty of Management Studies

Department of Management Studies

Admission Status:

Name of the Faculty	Programme	Student Intake		Total Admissions	
		UG	PG	UG	PG
	Masters in Business Administration (MBA)		120		117

FACULTY OF MANAGEMENT STUDIES

List of Faculty Members

Name of the Full-time teacher	Designation	Department
Amit Seth	Professor	Management
Nandini Srivastava	Professor	Management
Priyanka Singh	Professor	Management
Amandeep Dhaliwal	Associate Professor	Management
Anindita Chatterjee Rao	Professor	Management
Deepti Dabas Hazarika	Professor	Management
Shilpa Arora	Assistant Professor	Management
Farhat Mohsin	Professor	Management
Surbhi Kapur	Professor	Management
Bhavesb Prakash Joshi	Professor	Management
Gautam Srivastava	Professor	Management
Meghna Chhabra	Associate Professor	Management
Sanjay Srivastava	Professor	Management
Ridhi Khattar	Assistant Professor	Management
Lt. Gen. Rakesh Kumar Anand	Professor	Management
Soma Arora	Professor	Management
Apurva Anil Chauhan	Assistant Professor	Management
Niharika	Assistant Professor	Management
Swati Punjani	Assistant Professor	Management



Department at a Glance:

1. DEPARTMENT OF MANAGEMENT STUDIES

i) Thrust Area

- Sustainable Business Practices
- Women Entrepreneurship
- Student Skill Enhancement
- Project based/ Peer Learning
- Industry/Global Outreach

ii) Academic Achievements

a. Student's Publications:2022-23

Title of paper	Name of all the author/s	Student Authors	Journal/Conference/Book Title
Impact of emotional branding on customer loyalty	Aarushi Bhardwaj and Manvi Mittal	Aarushi Bhardwaj and Manvi Mittal	National Conference on Azadi ka Amrit Mahotsav - Sustainable and Inclusive Growth for India @ 100(Vision 2047)
Education and Skill Development Among Indian Youth: Opportunities and Challenges	Aakansha Tiwari & Priyanka Kumari	Aakansha Tiwari & Priyanka Kumari	National Conference on Azadi ka Amrit Mahotsav - Sustainable and Inclusive Growth for India @ 100(Vision 2047)

Impact of chat GPT	Charu, Prashant & Amandeep Dhaliwal	Charu Panwar, Prashant Mishra	National Conference on Azadi ka Amrit Mahotsav - Sustainable and Inclusive Growth for India @ 100(Vision 2047)
Study on adoption of the electric vehicle	Khushboo zubair , Manjeet Nagar , Himanshu Tanwar & Amandeep Dhaliwal	Khushboo zubair , Manjeet nagar , Himanshu Tanwar	National Conference on Azadi ka Amrit Mahotsav - Sustainable and Inclusive Growth for India @ 100(Vision 2047)
Contemporary Changes in primary school curriculum in India	Mohita Bhardwaj and Deepti Dabas Hazarika	Mohita Bhardwaj	National Conference on Azadi ka Amrit Mahotsav - Sustainable and Inclusive Growth for India @ 100(Vision 2047)
A Study on Work Safety Of Healthcare Employees	Vishesh Bhatia & Amandeep Dhaliwal	Vishesh Bhatia	National Conference on Azadi ka Amrit Mahotsav - Sustainable and Inclusive Growth for India @ 100(Vision 2047)
A study on impact of non- performing assets(NPAs) in banking sector and its recovery in India	Deepa Aggarwal, Kumkum Jain, S S Dabas, Deepti Dabas Hazarika	Deepa Aggarwal, Kumkum Jain,	National Conference on Azadi ka Amrit Mahotsav - Sustainable and Inclusive Growth for India @ 100(Vision 2047)
Gender pay Gap	Asmita Trehan	Asmita Trehan	National Conference on Azadi ka Amrit Mahotsav - Sustainable and Inclusive Growth for India @ 100(Vision 2047)

b. Students benefited by career counseling and guidance for competitive Examinations: 2022-23

Activity Description	No. of Participants
Orientation Programme for Batch 2022-24	78
Young Leaders Conclave	188
Career Skills Mapping - AMCAT Sensitization Session	95
Career Skills Mapping - AMCAT Evaluation Session	104
AIMA Student Management Games 2023	40
Competitive Guidance: Expert Session on Employability and Interview Readiness	51
Expert Session on "Artificial Intelligence in Business"	24
Expert Session on "Artificial Intelligence and Knowledge Management	52

c. Student progression to higher education during the year: 2022-23

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Jyoti	Master of Business Administration	Manav Rachna International Institute Of Research And Studies	PhD

d. Faculty members: Awards & Recognitions: 2022-23

Name of Faculty Member	Awards/Recognition
Priyanka Singh	Invited talk at National Conference on Changing Scenario of International Trade: Gains and Challenges for India (NCCSIT-23) Sponsored by Indian Council of Social Science Research (ICSSR), Aggarwal College Ballabhgarh (10-05-2023)
Farhat Mohsin	External Member of IQAC Team, Geeta University, Panipat (15-02-2023)
Anindita Chatterjee Rao	Resource Person for 7 days National Level Research Methodology workshop, Nirmala Memorial Foundation College of Commerce & Science, Mumbai (31-05-2023)
Anindita Chatterjee Rao	Invited talk at Rotary Young Leadership Awards 2023, Rotary Club, Faridabad (14-01-2023)

e. FDPs attended by Faculty Members: 2022-23

Name of Faculty Member	Title	From Date	To Date
Deepti Dabas Hazarika	FDP on Personal and Professional Development	01-08-2022	05-08-2022
Anindita Chatterjee Rao	FDP on Personal and Professional Development	01-08-2022	05-08-2022
Gautam Srivastava	FDP on Personal and Professional Development	01-08-2022	05-08-2022
Amandeep Dhaliwal	FDP on Personal and Professional Development	01-08-2022	05-08-2022
Meghna Chhabra	FDP on Personal and Professional Development	01-08-2022	05-08-2022
Shilpa Arora	FDP on Personal and Professional Development	01-08-2022	05-08-2022
Priyanka Singh	FDP on Personal and Professional Development	01-08-2022	05-08-2022
Ridhi Khattar	FDP on Personal and Professional Development	01-08-2022	05-08-2022
Farhat Mohsin	FDP on Personal and Professional Development	01-08-2022	05-08-2022
Surbhi Kapur	FDP on Personal and Professional Development	01-08-2022	05-08-2022
Niharika	FDP on Personal and Professional Development	01-08-2022	05-08-2022
Soma	FDP on Personal and Professional Development	01-08-2022	05-08-2022
Swati Pujani	FDP on Personal and Professional Development	01-08-2022	05-08-2022
Ridhi Khattar	FDP on Project Based Learning: International Perspective	04-07-2022	09-07-2022
Priyanka Singh	FDP on Project Based Learning: International Perspective	04-07-2022	09-07-2022
Amandeep Dhaliwal	FDP on Guidance, Counseling and Mentoring Skills	27-03-2022	31-03-2022
Soma Arora	FDP on Guidance, Counseling and Mentoring Skills	27-03-2022	31-03-2022

Ridhi Khattar	FDP on Effective Curriculum Implementation	12-12-2022	16-12-2022
Farhat Mohsin	FDP on Effective Teaching Learning using Social Media	05-06-2023	09-06-2023
Gautam Srivastava	FDP on Strategic Planning and Management	24-04-2023	28-04-2023
Gautam Srivastava	FDP on Effective Teaching Learning using Social Media	05-06-2023	09-06-2023
Amandeep Dhaliwal	FDP on Strategic Planning and Management	24-04-2023	28-04-2023
Shilpa Arora	Commerce, Accountancy and Management on Sustainable business Strategies Theme	05-06-2023	17-06-2023

f. Book Chapters: 2022-23

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference /
Soma Arora	Disruptive Technologies in International Business	NA	NA
Anindita Chatterjee Rao	Proceedings of ICIMMI 2022	A Technological Review on Rise of Esports in World Economy	Proceedings of ICIMMI 2022

g. Research Papers: 2022-23

Title of paper	Name of the author/s	Name of journal	Year of publication
Nexus between Corporate Sustainability and Financial Performance-A Theoretical Outlook,	Amit Seth	Journal of Management and Entrepreneurship	2022-23
Corporate Sustainability and Firm Financial Performance: A Panel Data of Top Tier Indian Firms	Farhat Mohsin	Empirical Economics Letters	2022-23
Affordable Community Living Model for the senior citizens: An Indian context	Amit Seth	Indian Journal of Gerontology	2022-23
Asset Monetisation: A Step Towards Liberalisation and Privatisation -Strategic Issues	Nand L. Dhameja	Indian Journal of Public Administration	2022-23
The Lingering Effects: Examining Mental Health In India During A Period Of Covid-19 Regression	Amandeep Dhaliwal	Asia Pacific Journal of Health Management	2022-23
Good Governance in India-Current Scenario: Issues of Concern: A Policy Perspective	Amandeep Dhaliwal,	Delhi Business Review	2022-23
Adopting 5G-Enabled E-Healthcare for Collaborative Pandemic Management	Amandeep Dhaliwal	International Journal of e-Collaboration	2022-23

Primary School Curriculum and Impact on Cognitive Learning-A Review based Analysis	Deepti Dabas Hazarika	Journal of Pharmaceutical Negative Results	2022-23
Impact of Work-from-Home Jobs on Technostress and its relation with Employee Productivity: An Empirical Study	Anindita Chatterjee Rao	Empirical Economics Letters	2022-23
A Review of Literature on the Sustainability of Supply Chain Management in the Bangladesh Livestock Industry	Priyanka Singh and S Sarkar	Webology	2022-23
ESG: New Age Financial Reporting in India- Challenges for Future,	Priyanka Singh	Indian Journal of Industrial Relations	2022-23
A Survey of Writing on the Sustainability of Supply Chain Management in the Bangladesh Livestock Industry	S Sarkar	Journal of Pharmaceutical Negative Results	2022-23
Critical Review on Emotional Intelligence and Organisational effectiveness to access the organizational values in industrial segment	Rajeev Sharma	NeuroQuantology	2022-23
Workplace Ostracism: A study on moderating effect of gender biasness on job performance	Sonali Gaur	Journal of Emerging Technologies and Innovative Research	2022-23
Role of workplace happiness in achieving teachers' sustainable academic performance: a study on selected private universities in Delhi NCR	Ajay Bhatia	World Review of Entrepreneurship, Management and Sustainable Development	2022-23
A Study on Needs for Workforce Diversity in Start-Ups	VishwaPriya	Journal of Xi'an University of Architecture and Technology	2022-23
"A Study On Satisfaction Of Recruitment Practices And Policies Of Food Corporation Of India, Regional Office, Chennai	VishwaPriya	International Journal of Scientific & Engineering Research	2022-23
Do Maharashtra Tourism Impact of Covid-19: A Pre & Post Recovery Scenario	Farhat Mohsin	Empirical Economics Letters	2022-23
A study on awareness of grievance handling mechanism in the education sector in India	Khushi Narwat	International journal of creative research thoughts	2022-23
A review of performance management system and appraisal system	Farhat Mohsin	Education and Society	2022-23
Literature Review on Organizational Culture and performance management : Its impact on Employee engagement in Auto mobile sector in India	Sanjay Srivastava, Anindita Chatterjee Rao	Education India	2022-23
Family Businesses Need for Good Corporate Governance and Succession Planning	Nand L. Dhameja	Journal of Management Research	2022-23
Relationship between the Workplace Spirituality and Productivity in Small to Medium Organisations	Amit Seth	Specialusis Ugdymas	2022-23
The Impact of Beauty Vlogs on Consumer Purchase Intention	Ankita Phogat	European Chemical Bulletin	2022-23
Facets of life skills education-a systematic review	Surbhi Kapur	Quality assurance in education	2022-23
Life skills for resilient leadership during pandemic times: the current and ancient indian perspectives	Surbhi Kapur	Public Administration and Policy: An Asia-Pacific Journal	2022-23

Board of Faculty			
1	Dr. Sanjay Srivastava	Professor FMS & Vice Chancellor	Chairman
2	Dr. Rakesh Kumar Anand	Professor and Dean-FMS	Member
3	Dr Deepti Dabas Hazarika	Professor, Director & Head -FMS-PG	Member
4	Dr. Bhavesh Prakash Joshi	Professor, Director & Head -FMS-UG	Member
5	Dr Anindita Chatterjee Rao	Professor	Member
6	Dr Narinder Tanwar	Professor	Member
7	Ms. Niharika	Assistant Professor	Member
8	Ms. Madhumita Mahapatra	Assistant Professor	Member
9	Dr. Amandeep Dhaliwal	Associate Professor	Member
10	Dr. Anjali Singh	Associate Professor, Dept of UG	Member
11	Dr Ridhi Khattar	Associate Professor	Member
12	Dr. Shalini Srivastava	Professor, Jaipuria Institute ,Noida,UP	External Member
13	Mr. Manas Sarkar	Head of people operations, Uflex Ltd,Noida,UP	External Member

Board of Studies			
1	Dr Deepti Dabas Hazarika	Professor, Director & Head,	Member
2	Dr Surbhi Kapur	Professor	Member
3	Dr Anindita Chatterjee Rao	Professor	Member
4	Dr Gautam Srivastava	Professor	Member
5	Dr. Farhat Mohsin	Professor	Member
6	Dr. Priyanka Singh	Professor	Member
7	Dr Nandini Srivastava	Professor	Member
8	Dr Amit Seth	Professor	Member
9	Dr. Shilpa Arora	Associate Professor	Member
10	Dr. Amandeep Dhaliwal	Associate Professor	Member
11	Dr Ridhi Khattar	Associate Professor	Member

12	Dr. Apurva Anil Chauhan	Assistant Professor	Member
13	Dr. Soma Arora	Professor	Member
14	Dr Swati Punjani	Assistant Professor	Member
15	Dr M.K Bhat	Professor, Maharaja Agrasen Institute of Technology, Rohini, Delhi	External Member
16	Mr. Himanshu Pawar	Founder, Pinkwynk, Krusty, Krab's, Satya Niketan, New Delhi	External Member

3.7 Faculty of Hotel Management

Department of Hotel Management

Admission Status:

Programme	Student Intake		Total Admissions	
	UG	PG	UG	PG
B.Sc. Hospitality and Hotel Administration	40		33	
B.Sc. Culinary Art	5		2	

Faculty of Hotel Management

List of Faculty Members

Name of the Full-time teacher	Designation	Department
Ritika Singh	Assistant Professor	Hotel Management
Prachi	Assistant Professor	Hotel Management
Nikita Tomar	Assistant Professor	Hotel Management
Kunal	Assistant Professor	Hotel Management
Madhav Anand Sharma	Assistant Professor	Hotel Management
Vikas Singh	Professor	Hotel Management
Durgesh Nandan	Assistant Professor	Hotel Management
William Lee	Assistant Professor	Hotel Management



DEPARTMENT OF HOTEL MANAGEMENT STUDIES

i) Thrust Area

- Experiential Learning
- Entrepreneurship
- Industry Exposure through Visits
- Culinary Competitions
- Visits to exclusive Hospitality events

Future Planning

- Better Integration of Restaurant with the Kitchen.
- Organise Hospitality Conferences and Workshops in our University.
- Participate in Culinary Competitions.
- Research and Innovation for Faculty and Students.

ii) Academic Achievements

a. Students benefited with career counseling and guidance for competitive Examinations: 2022-23

Activity Description	No. of Participants
Session on Careers in Hospitality and Culinary Arts and Culinary Demonstartion on Pineapple Cake	25
Career Counselling Session by Mr. Varun Balwani, Regional Sales Director - FCS	25
Guest Session on Ethical Decision Making by Mr. Varun Chopra - Front office Manager at Radisson Blu Faridabad	25
Mantra on Success and Career Opportunities for a Culinary Graduate in International Cruise Line	40
Session on Ms. Nishigandha and HR Manager Mr.Devender on Interview Skills	15
Career Counselling session by Sheetal Chadha on " Careers in Hospitality"	40
Cooking Demonstration on Dumplings by Master Chinese Chef - William Lee	15
Workshop on Pasta and Pizza Demonstartion by Chef Vikas Singh	20
Demonstartion on Haryanvi Cuisine	5
Industrial Visit to Select City Walk Mall, Saket, New Delhi	20
Masterclass workshop by Mr. Jatin Aggarwal on Trending Beverages at MONIN Studio	20
World Diabetic Day	20
Culinary workshop with US Poultry by Chef Saby	35
International Men's Day 2022	10
Industrial Visit to Crowone Plaza Okhla Today , New Delhi	22
Christmas Carnival - MRIS Sector 14	11
Christmas Carnival - MRIS Sector 14	11
Christmas Carnival - MRIS Charmwood	11
AAHAR 2023	50

b. FDPs attended: 2022-23

Name of Faculty Member	Title	From Date	To Date
Nikita Tomar	FDP on Technological Advancement in Tourism and Hospitality Industry	20-03-2023	24-03-2023

c. Faculty members: Awards & Recognitions:2022-23

Name of Faculty Member	Awards/Recognition
Nikita Tomar	Recognition recived for Authoring and publishing book titled Health and Wellness Tourism: Spas and Hotsprings in aspect of Tourism (04-04-2023)
Nikita Tomar	Recognition recived for publishing a patent on E-Human Resource Management in Service Sector based on Artificial Intelligence in Hotel Industry (20-01-2023)
Nikita Tomar	Recognition recived for publishing a patent titled 'Personalized Learning System for Adaptive Eductaion (19-05-2023)
Nikita Tomar	Recognition received for publishing a patent titled Machine Learning Enabled Predictive Housekeeping for Vacation Rentals (19-05-2023)
Prachi Mor	Published a patent on System and Method for Managing inventory and Distribution of Hotel rooms by multiple online travel agency using an Artificial Intelligence based Interface (17-03-2023)
Prachi Mor	Published a patent on Customer Satisfaction towards modern Brands of Clothing Industry in India (14-10-2022)
Prachi Mor	Published a patent on The impact of Tourism and its related companies development in India (22-07-2023)
Kunal	Published a patent on Artificial Intelligence Based on Appliances for Simplifying Food Preparation (10-02-2023)
Kunal	Published a patent on Innovative Methods and Kits for Identifying food Sensitivities and Intolerances (17-02-2023)
Durgesh Nandan	Published a patent on Nutraceutical Formulation for Cognitive Functioning and Method for Preparation (19-05-2023)
William lee	Published a patent on Innovative Methods and Kits for Identifying food Sensitivities and Intolerances (17-02-2023)
Nikita Tomar	Scopus research paper published titled AQUA VITAE: Use for Disease Control and Prevention Benefits and A study of Customers Perception of Artificial intelligence in Premium Hotels with impact factor of 0.2 (09-09-2022)
Prachi Mor	Research paper titled as A study of Customers Perception of Artificial intelligence in Premium Hotels (12-01-2023)

d. Research Papers: 2022-23

Title of paper	Name of the author/s	Name of journal	Year of publication
Aqua Vitae: Use for Disease Control and Prevention Benefits and Demerits	Nikita Tomar	Vegueta. Anuario de la Facultad de Geografía e Historia	2022-23

e. Book Chapters: 2022-23

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference /
Nikita Tomar	Health and Wellness Tourism: Spas and Hotsprings in aspect of Tourism	NA	NA

Board of Faculty-FHM

1	Lt. Gen Rakesh Kumar Anand (Retd)	Chairperson, Professor, Dean, FHM	Chairperson
2	Ms. Ritika Singh	Assistant Professor, Head Department of Hotel Management,	Member
3	Ms. Nikita Tomar	Assistant Professor, Department of Hotel Management	Member
4	Mr. Kunal	Assistant Professor, Department of Hotel Management	Member
5	Mr. Neeraj Chandhok	CEO, Building Block Customer Services Ltd, South West Delhi, Delhi	External Member
6	Ms. Arti Agnihotri	Learning and Development Manager, South West Asia Head, Intercontinental Hotel Group	External Member

Board of Studies-FHM

1	Prof. (Dr.) Lt. Gen. R. K. Anand	Dean, Faculty of Hotel Management	Chairperson
2	Ms. Ritika Singh	Director, Faculty of Hotel Management	Member
3	Ms. Nikita Tomar	Assistant Professor, Faculty of Hotel Management	Member
4	Mr. Madhav Sharma	Assistant Professor, Faculty of Hotel Management	Member
5	Ms. Sakshi Chhabra	Director of Sales, Vivanta by Taj, Surajkund, Faridabad	Member
6	Ms. Nishigandha Chitale	Training Manager, The Crowne Plaza Okhla, New Delhi	External Member

3.8 Faculty of Behavioral & Social Sciences

Department:

S.No. Name of Department

1. Applied Psychology
2. Economics
3. Social and Political Studies

Admission Status:

Programme	Student Intake		Total Admissions	
	UG	PG	UG	PG
BA / B.Sc. Applied Psychology	50		50	
BA (Hons) Economics	20		13	
Bachelor of Liberal Arts	06		06	
BA (Hons) Political Science	40		36	
MA - Applied Psychology		20		20
MA - Economics		06		05
MA – Public Policy and Public Administration		06		05

Faculty of Behavioral & Social Sciences

List of Faculty Member Details:

Name of the Full-time teacher	Designation	Department
Priyanka Tiwari	Assistant Professor	Applied Psychology
Khusboo	Assistant Professor	Applied Psychology
Azmat Jahan	Assistant Professor	Applied Psychology
Anika Magan	Assistant Professor	Applied Psychology
Payel Dey Ghosh	Assistant Professor	Applied Psychology
Anand Prakash	Emeritus Professor	Applied Psychology
Shruti Narayan	Associate Professor	Applied Psychology
Supriya Srivastava	Assistant Professor	Applied Psychology
Divyani Khurana	Assistant Professor	Applied Psychology
Riddhi Agrawal	Assistant Professor	Applied Psychology
Divya Dhawan	Assistant Professor	Applied Psychology
Puja Chopra	Assistant Professor	Economics
Preeti Singh	Associate Professor	Economics
Durairaj Kumarasamy	Associate Professor	Economics

Manisha Nayyar	Assistant Professor	Economics
A.K. Sharan	Professor	Economics
Aarti Suryavanshi	Assistant Professor	Economics
Taniya Sah	Assistant Professor	Economics
Divya Jain	Assistant Professor	Economics
Anandajit Goswami	Professor	Social and Political Studies
Prashant Chaudhary	Assistant Professor	Social and Political Studies
Bhavna Kataria	Assistant Professor	Social and Political Studies
Ashish Kumar	Assistant Professor	Social and Political Studies
Sreshtha Chakraborty	Assistant Professor	Social and Political Studies
Anima Puri	Assistant Professor	Social and Political Studies
Upamanyu Basu	Assistant Professor	Social and Political Studies
Dhruv Gautam	Assistant Professor	Social and Political Studies
Sundaresha D S	Assistant Professor	Social and Political Studies
Vishal Sagar	Assistant Professor	Social and Political Studies
Twinkal Dogra	Assistant Professor	Social and Political Studies
Sandipa Bhattacharya	Associate Professor	Social and Political Studies
Anand Kumar Mishra	Associate Professor	Social and Political Studies



1. DEPARTMENT OF APPLIED PSYCHOLOGY

i) Thrust Area

- Counseling
- Research
- Training

ii) Academic Achievement:

a. Student's Publications: 2022-23

Title of paper	Name of all the author/s	Student Authors	Journal / Conference /Book Title
Psychological well-being and Social Position of women in context to Patriarchal and Matriarchal Societies in Different Eras	Trisha Verrma, Khusboo	Trisha Verrma,	Juni Khyat

b. Students benefited with career counseling and guidance for competitive Examinations: 2022-23

Activity Description	No. of Participants
Expert Talk on Concept and Management of Schizophrenia	30
Expert Session on Narrative Analysis	60

c. Student progression to higher education in percentage during the year: 2022-23

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Aanchal Choudhary	B.A.(Hons.) - Applied Psychology	Amity University	M.A. Clinical psychology
Aashima Kathpalia	B.A.(Hons.) - Applied Psychology	Thapar Institute Of Engineering & Technology	M.A. Psychology
Admya Banwala	B.A.(Hons.) - Applied Psychology	Kurukshetra University, Kurukshetra	M.A. Psychology
Akansha Jain	B.A.(Hons.) - Applied Psychology	Christ University	Msc clinical psychology
Anjali Yadav	B.A.(Hons.) - Applied Psychology	University Of Allahabad	M.A. Psychology
Bhavya Sharma	B.A.(Hons.) - Applied Psychology	Uttranchal University	MA in clinical psychology
Chanchal Bansal	B.A.(Hons.) - Applied Psychology	Gd Goenka University	MA counselling psychology
Chandni Chauhan	B.A.(Hons.) - Applied Psychology	Amity University	M.A. Clinical psychology
Deepika Vohra	B.A.(Hons.) - Applied Psychology	Amity University	MA in Clinical Psychology
Drishti Aggarwal	B.A.(Hons.) - Applied Psychology	Sharda University	M.A. Clinical psychology
Garima Gupta	M.A Applied Psychology	Master Tara Singh Memorial College For Women	Psychology Diploma HRM

Gopika Aggarwal	B.A.(Hons.) - Applied Psychology	Shree Guru Gobind Singh Tricentenary University	<u>M.SC. Clinical Psychology</u>
Himanshi Verma	B.A.(Hons.) - Applied Psychology	Mumaster Of Business Administration University	Master of Business Administration
Jasneer Kaur	B.A.(Hons.) - Applied Psychology	Thapar Institute Of Engineering & Technology	M.A.Clinical Psychology
Kavita Dangwal	B.A.(Hons.) - Applied Psychology	Manav Rachna International Institute Of Research And Studies	Master of Business Administration
Mahima Mathur	B.A.(Hons.) - Applied Psychology	Amity University	M.A. Clinical psychology
Mehar Dhody	B.A.(Hons.) - Applied Psychology	Manav Rachna International Institute Of Research And Studies	M.A.Psychology
Mukul Khatana	B.A.(Hons.) - Applied Psychology	Amity University	M.A. Clinical psychology
Muskan	B.A.(Hons.) - Applied Psychology	Amity University	M.A. Psychology
Nitika	B.A.(Hons.) - Applied Psychology	Banaras Hindu University (Bhu)	M.A. Psychology
Pratibha Chaudhary	B.A.(Hons.) - Applied Psychology	Amity University	M.A.Clinical Psychology
Priyanshi Bansal	B.A.(Hons.) - Applied Psychology	Sharda University	MA. Applied Psychology
Priyanshu Sharma	B.A.(Hons.) - Applied Psychology	Manav Rachna International Institute Of Research And Studies	Master of Business Administration
Sakshi Kaushik	B.A.(Hons.) - Applied Psychology	Amity University	M.A. Psychology
Sejal Juneja	B.A.(Hons.) - Applied Psychology	Amity University	M.A. Clinical psychology
Shailja Tripathi	B.A.(Hons.) - Applied Psychology	University Of Delhi (South Campus)	MA Applied Psychology (Clinical)
Sharon Chopra	B.A.(Hons.) - Applied Psychology	Manav Rachna International Institute	MA Applied Psychology Hons
Shreya Shah	B.A.(Hons.) - Applied Psychology	Manav Rachna International Institute Of Research And Studies	M.A.Psychology
Shruti Jain	B.A.(Hons.) - Applied Psychology	Flinders University	Masters In Counselling
Siya Ahuja	B.A.(Hons.) - Applied Psychology	Jaganaath University, Icri	M.A. Clinical psychology
Srija Kaistha	B.A.(Hons.) - Applied Psychology	Amity University	M.A. Clinical Psychology
Upasana	B.A.(Hons.) - Applied Psychology	Amity University	M.A. Clinical Psychology
Vanshika Garg	B.A.(Hons.) - Applied Psychology	Amity University	M.A. Clinical psychology
Vanshita Saluja	B.A.(Hons.) - Applied Psychology	Amity University	M.A. Clinical psychology

Varsha.	B.A.(Hons.) - Applied Psychology	Banaras Hindu University (Bhu)	M.A. Psychology
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d. FDPs attended by Faculty Members: 2022-23

Name of Faculty Member	Title of Event	Date From	Date To
Payel Dey Ghosh	FDP on Academic Writing for Research	15-05-2023	21-05-2023
Supriya Srivastava	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Divya Dhawan	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Divya Dhawan	FDP on Recent Advances in Psychology	12-07-2022	16-07-2022
Priyanka Tiwari	One Week Workshop on Data Analytics using SPSS: From Basic to Advance	04-07-2022	09-07-2022
Priyanka Tiwari	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Anika Magan	One Week Workshop on Data Analytics using SPSS: From Basic to Advance	04-07-2022	09-07-2022
Anika Magan	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Divyani Khurana	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Khusboo	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Shailaja	STC on Technology Integration and NEP 2020	12-06-2023	16-06-2023
Anika Magan	FDP on Effective Curriculum Implementation	12-12-2022	16-12-2022
Riddhi Agrawal	Staff Development Programme on Microsoft excel	03-04-2023	07-04-2023

e. Events organised: 2022-23

Title	From Date	To Date
Workshop on Data Analytics using SPSS: From Basic to Advance	04-07-2022	09-07-2022
6th National and International Conference on Health and Sports Science	17-02-2023	18-02-2023

f. Research Papers: 2022-23

Title of paper	Name of the author/s	Name of journal	Year of publication
Role of secure attachment in predicting postpartum , depression and separation anxiety in young mothers	Azmat Jahan	Journal of Higher Education Theory and Practice	2022-23
Abusive Relationship and its associated matters	Azmat Jahan	The Journal of Oriental Research Madras	2022-23
Determination of emotion recognition and imitation of participants with autism spectrum disorder	Payel Dey Ghosh	International Journal for modern trend in science and technology	2022-23
Scrutinizing the Therapeutic Dyad of Digital Counselling: Mending or creating fissures	Khusboo	Journal of Emerging Technologies and Innovative Research	2022-23
To study the relationship between siblings and its impact on our gratitude level: A Study with young adults	Khusboo	Mukt Shabd Journal	2022-23
Psychological well-being and social position of women in context to Patriarchal and Matriarchal societies in different eras	Khusboo	Juni Khyat Journal	2022-23
Overcoming the slumps in performance”: Metacognition, Grit and Self-Efficacy in sports among athletes	Khusboo	Journal of Emerging Technologies and Innovative Research	2022-23
Affordable Community Living Model For The Senior Citizens: An Indian Context.	Anika Magan and Anandjit Goswami	Indian Journal of Gerontology	2022-23
An Assessment of Futuristic Variables Determining Affordable and Dignified Community Living for Senior Citizens in India	Anika Maganand Anandjit Goswami and Amit Seth	Journal of Aging and Environment	2022-23
A systematic review on role of hypnotherapeutic intervention in promoting positive psychological health	Priyanka Tiwari	International Journal of Health Sciences (IJHS)	2022-23
A SYSTEMATIC REVIEW ON PSYCHO SOCIAL CHALLENGES OF PARENTING IN TODAY’S DIGITAL WORLD: A PSYCHOLOGICAL PERSPECTIVE	Priyanka Tiwari	The Journal of Oriental Research Madras	2022-23
Effect of Mindfulness on Self-Concept amongst Adolescents in Delhi & NCR	Priyanka Tiwari	IOSR Journal Of Humanities And Social Science (IOSR-JHSS)	2022-23
“WE ARE WHAT WE BROWSE”: EFFECTS OF INSTAGRAM BROWSING ON APPEARANCE INTERNALISATION AND USE OF BEAUTY APPS.	Priyanka Tiwari & Anika Magan	Juni Khyat	2022-23
Impact of Music on Mindfulness in Employees	Priyanka Tiwari	International Journal of Early Childhood Special Education	2022-23

Effect of Sense of Coherence on Resilience, Hardiness, Intuitive Decision, Rumination and Counterfactual Thinking,	Priyanka Tiwari	International Journal of Early Childhood Special Education (INT-JECSE)	2022-23
What-If Analysis: Antecedents and Consequences Factors of Counterfactual Thinking	Priyanka Tiwari	YMER	2022-23
Music as a therapeutic approach in children with Autism Spectrum disorder	Priyanka Tiwari	International Journal of Health Science	2022-23
Lonely at Home: Exploring Factors Associated with Loneliness Among Female Students at Home During COVID-19 Lockdown in India.	Shruti Narain	The Family Journal	2022-23

g. Faculty members: Awards & Recognitions:2022-23

Name of Faculty Member	Awards/Recognition
Anika Magan	Best Paper Award for Presentation in the 27th International and 58th National Conference of the Indian Academy of Applied Psychology, Indian Academy of Applied Psychology (17-02-2023)

2. DEPARTMENT OF ECONOMICS &

3. DEPARTMENT OF SOCIAL AND POLITICAL STUDIES

i) Thrust Area

- Research
- Development and Consultancy

ii) Academic Achievement:

a. Student's Publications: 2022-23

Title of paper	Name of all the author/s	Student Authors	Journal / Conference /Book Title
The Ancient Economic History	Yashraj Tanwar	Yashraj Tanwar	NA
Budget 2023-24	Siya Sardana	Siya Sardana	NA
The Dominance of Oil Price Fluctuations on India's Exchange Rate and Foreign Reserves	Mahek Khanna	Mahek Khanna	NA

A study on market anomalies based on nifty index	Tarun Kumar Kadyan	Tarun Kumar Kadyan	NA
How Could the Russia-Ukraine War Impact the Indian Economy in 2022?	Siya Sardana	Siya Sardana	NA
Impact of psychological well-being on the efficiency of young employee from public and private sector	Saba Sayyed, Anandajit Goswami	Saba Sayyed	Well-being: An Occam's razor example of case studies

b. Students benefited with career counseling and guidance for competitive Examinations: 2022-23

Activity Description	No. of Participants
Expert Talk on Concept and Management of Schizophrenia	30
Expert Session on Narrative Analysis	60

c. Student progression to higher education during the year: 2022-23

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Diksha Garg	B.A.(Hons.) - Economics	Indian Institute Of Foreign Trade	M.A economics
Divneet Kaur Ahuja	B.A.(Hons.) - Economics	Manav Rachna International Institute Of Research And Studies	M.A economics
Gautam Sharma	B.A.(Hons.) - Economics	Manav Rachna International Institute Of Research And Studies	M.A economics
Ishita Handa	B.A.(Hons.) - Economics	Rmit University, Melbourne	Master of supply chain and logistics management
Lakshaya Gaur	B.A.(Hons.) - Economics	Gipe	M.sc Agribusiness economics
Muskan Gupta	B.A.(Hons.) - Economics	The Energy And Resources Institute (Teri)	M.sc Economics
Palak	B.A.(Hons.) - Economics	Manav Rachna International Institute Of Research And Studies	M.A economics
Dishant Singh	B.A Liberal Arts	Manav Rachna International Institute Of Research And Studies	MA Public Policy and Administration
Shivank Besoya	B.A Liberal Arts	Manav Rachna International Institute Of Research And Studies	M.A Applied Psychology

d. FDPs attended by Faculty Members: 2022-23

Name of Faculty Member	Title of Event	Date From	Date To
Upamanyu Basu	FDP on Innovative Teaching and Learning Pedagogy	27-05-2023	31-05-2023
Upamanyu Basu	FDP on Effective Teaching Learning using Social Media	05-06-2023	09-06-2023
Upamanyu Basu	Online Certification Course on Capacity Building in Public Policy and Administration	25-07-2022	29-07-2022
Anima Puri	Online Certification Course on Capacity Building in Public Policy and Administration	25-07-2022	29-07-2022
Anima Puri	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Anima Puri	FDP on Effective Curriculum Implementation	12-12-2022	16-12-2022
Anima Puri	FDP on Effective Teaching Learning using Social Media	05-06-2023	09-06-2023
Twinkal Dogra	Effective Teaching Learning using Social Media	05-06-2023	09-06-2023
Twinkal Dogra	FDP on NEP 2020, New Trends on Higher Education	26-11-2022	01-01-2023
Twinkal Dogra	Online Certification Course on Capacity Building in Public Policy and Administration	25-07-2022	29-07-2022
Vishal Sagar	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Vishal Sagar	Online Certification Course on Capacity Building in Public Policy and Administration	25-07-2022	29-07-2022
Ashish Kumar	Effective Teaching Learning using Social Media	05-06-2023	09-06-2023
Ashish Kumar	Online Certification Course on Capacity Building in Public Policy and Administration	25-07-2022	29-07-2022

Ashish Kumar	FDP on NEP 2020, New Trends on Higher Education	26-12-2022	01-01-2023
Ashish Kumar	Online Workshop on Systematic Literature Review	01-05-2023	04-05-2023
Anand Mishra	Online Certification Course on Capacity Building in Public Policy and Administration	25-07-2022	29-07-2022
Prashant Chaudhry	FDP on NEP 2020, New Trends on Higher Education	26-11-2022	01-01-2023
Bhavna Kataria	Online Certification Course on Capacity Building in Public Policy and Administration	25-07-2022	29-07-2022
Bhavna Kataria	A Step-by-Step Guide to Write a Good Research Paper	20-12-2022	29-12-2022
Bhavna Kataria	FDP on E-Content development and Learning Management System	23-01-2023	28-01-2023
Bhavna Kataria	FDP on Effective Teaching Learning using Social Media	05-06-2023	09-06-2023
Prashant Chaudhry	Online Certification Course on Capacity Building in Public Policy and Administration	25-07-2022	29-07-2022
Dhruv Gautam	Online Certification Course on Capacity Building in Public Policy and Administration	25-07-2022	29-07-2022
Preeti Singh	Online Certification Course on Capacity Building in Public Policy and Administration	25-07-2022	29-07-2022
Preeti Singh	Workshop on Data Analytics using SPSS: From Basic to Advance	04-07-2022	09-07-2022
Durairaj Kumarsamy	Workshop on Data Analytics using SPSS: From Basic to Advance	04-07-2022	09-07-2022
Durairaj Kumarsamy	Online Certification Course on Capacity Building in Public Policy and Administration	25-07-2022	29-07-2022
Manisha Nayyar	Workshop on Data Analytics using SPSS: From Basic to Advance	04-07-2022	09-07-2022
Puja Chopra	Workshop on Data Analytics using SPSS: From Basic to Advance	04-07-2022	09-07-2022
Aarti Suryavanshi	NPTTEL Online Course on Development Research Methods	01-08-2022	01-10-2022
Aarti Suryavanshi	FDP on Petroleum Economics and Management	01-01-2023	01-04-2023

Dr. Aarti Suryavanshi	FDP on Effective curriculum implementation	12-12-2022	16-12-2022
Divya Jain	FDP on Effective Teaching Learning using Social Media	05-06-2023	09-06-2023
Divya Jain	STC on Technology Integration and NEP 2020	12-06-2023	16-06-2023
Taniya Sah	FDP on Effective Teaching Learning using Social Media	05-06-2023	09-06-2023
Taniya Sah	STC on Technology Integration and NEP 2020	12-06-2023	16-06-2023
Durairaj Kumarsamy	STC on Technology Integration and NEP 2020	12-06-2023	16-06-2023
S. Prasham	STC on Technology Integration and NEP 2020	12-06-2023	16-06-2023

e. Events organised: 2022-23

Title	From Date	To Date
Workshop on Data Analytics using SPSS: From Basic to Advance	04-07-2022	09-07-2022

f. Research Papers: 2022-23

Title of paper	Name of the author/s	Name of journal	Year of publication
Rural Energy Transition for Cooking in India—Revisiting the Drivers.	Anandajit Goswami	Sustainability	2022-23
Influence of Demonetisation on Various Sectors of the Indian Economy	Anandajit Goswami	International Journal of Strategic Management and Decision Support Systems in Strategic Management.	2022-23
India-UAE Relations: Emerging Dynamics	Anima Puri	Central European Management Journal	2022-23
Narcoterrorism in J&K: Emerging Trends	Anima Puri	Industrial Engineering Journal	2022-23

BOOK REVIEW: Peter J. Morgan, Michael C. Huang, Michelle Voyer, Dominique Benzaken and Atsushi Watanabe (eds), Blue Economy and Blue Finance: Toward Sustainable Development and Ocean Governance. Tokyo, Japan: Asian Development Bank Institute, 2022, 379 pp.	Vishal Sagar	Journal of Asian Economic Integration, Sage Journals	2022-23
The Impact of Exchange Rate Volatility on International Trade	Aarti Suryavanshi	Journal of Survey in Fisheries Sciences	2022-23
An Evaluation of machine learning techniques and how they affect Human Resource Management & Sustainable Development	Aarti Suryavanshi	The British Journal of Administrative Management	2022-23
Cross-Border Trade and Economic Development in the Border States of India	Manisha Nayyar	Economic Political Weekly	2022-23
Taxation in the Digital Economy: New Models in Asia and the Pacific (1st ed.)	Manisha Nayyar	Journal of Asian Economic Integration	2022-23
Asian Development Bank, Asian Economic Integration Report 2022: Advancing Digital Services Trade in Asia and the Pacific, Asian Development Bank, 2022, 300 pp.	Manisha Nayyar	Journal of Asian Economic Integration	2022-23
Cross-border trade is the missing piece for India's growth	Durairaj Kumarasamy	East Asian Forum	2022-23
Rural Energy Transition for Cooking in India – Revisiting The Drivers	Preeti Singh	Sustainability, MDPI	2022-23
Impact of the Covid-19 Pandemic on India's Federalism	Preeti Singh	Korea Review of International Studies	2022-23
The G20 can bridge India's digital financial service gap	Durairaj Kumarasamy	East Asian Forum	2022-23
The Emerging Scope of Nutraceutical Research: A Bibliometric Analysis	Durairaj Kumarasamy	IJFANS International Journal of Food and Nutritional Sciences	2022-23

g. Book Chapters: 2022-23

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference /
Upamanyu Basu	Examining the Stability of the South Asian Regional Security Complex in the context of Sino India relation post Galwan	NA	NA

Aarti Suryavanshi	Managerial Economics & Financial Analysis	NA	NA
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h. Faculty members: Awards & Recognitions:2022-23

Name of Faculty Member	Awards/Recognition
Vijayetta Sharma	Participated as a panellist at International Conference on Innovatinos in Public Performance Management (30-06-2023 to 01-07-2023)
Upamanyu Basu	Network for Advanced Study of China (NASC) Fellowship, Takshashila Institute (30-06-2023)
Vishal Sagar	Network for Advanced Study of China (NASC) Fellowship, Takshashila Institute (30-06-2023)
Twinkal Dogra	Best paper Award for presentation in two day National Seminar - Azadi ka Amrit Mahotsav - Sustainable and Inclusive Growth for India 2047 (24-05-2023)
Durairaj Kumarasamy	KIEP Visiting Scholar, one month funded fellowship, Korea Institute of International Economic Policy (11-01-2023)
Durairaj Kumarasamy	Received Letter of Appreciation for attending the KIEP Delhi Office Opening Commemoration Symposium and the 1st Visint Scholar Workshop, Korea Institute of International Economic Policy Delhi Office (06-03-2023)
Durairaj Kumarasamy	Chairing the Technical Session at the One-Day National Seminar on Atmanirbhar Bharat: Developing a Sustainable and Inclusive Economy, Gurugram University (14-03-2023)

Board of Faculty-FBSS

Board of Faculty-Faculty of Behavioral and Social Sciences			
1	Prof. AK Sharan	Dean FBSS	Chairperson
2	Dr Anandajit Goswami	Director FBSS	Member
3	Dr Durairaj Kumarasamy	HoD, DoE	Member
4	Dr Priyanka Tiwari	HoD, DoAP	Member
5	Dr Preeti Singh	Associate Professor, DoE	Member
6	Dr Shruti Narain	Associate Professor, DoAP	Member
7	Dr Payel Dey Ghosh	Assistant Professor, DOAP	Member
8	Dr Twinkal Dogra	Assistant Professor, DOSPS	Member
9	Dr Benjamin K Sovacool	Director, IGS, College of Arts and Science, Boston	External Member
10	Dr Chandranshu sinha	Associate Professor, University of Allahabad	External Member

Board of Studies – Applied Psychology

1	Dr Priyanka Tiwari	Professor and Head	Chairperson
2	Prof. Anand Praksh	Professor Emeritus	Member
3	Prof AK Sharan	Professor and Dean, FBSS	Member
4	Dr Shruti Narain	Associate Professor	Member
5	Dr Khusboo	Assistant Professor	Member
6	Dr Payel Dey Ghosh	Assistant Professor	Member
7	Dr Chandranshu Sinha	Associate Professor, Allahabad University	External Member
8	Prof Sheema Aleem	Professor and Head, Jamia Millia Islamia	External Member

Board of Studies - Economics

1	Dr. Durairaj Kumarsamy	Assoc. Professor (HoD)	Chairman
2	Dr. Preeti Singh	Associate Professor	Member
3	Dr. Priya Vij	Associate Professor	Member
4	Dr. Puja Chopra	Assistant Professor	Member
5	Dr. Manisha Nayyar	Assistant Professor	Member
6	Dr. Dibyendu Maiti	Assoc. Professor, Delhi School of Economics, University of Delhi, New Delhi	External Member
7	Dr. Sandeep Sharma	Health Economist, NHSRC, NHM (MoH&FW) New Delhi	External Member

Board of Studies - Social and Political Studies

1	Dr. Anandajit Goswami	Professor	Chairman
2	Dr. Durairaj Kumarsamy	Associate Professor	Member
3	Dr Prashant Chaudhary	Assistant Professor	Member
4	Dr Bhavna Kataria	Assistant Professor	Member
5	Dr Nitya Nanda	Director, Council for Social Development	External Member
6	Dr Saransh Sugandh	Director, Vaartha Communication	External Member

3.9 Faculty of Architecture & Design

Department:

- Architecture & Design

Admission Status:

Name of the Faculty	Programme	Student Intake		Total Admissions	
		UG	PG	UG	PG
	B. Design	60		35	
B.Sc.- Interior Design	20		21		

FACULTY OF ARCHITECTURE & DESIGN

Faculty Member Details:

Name of the Full-time teacher	Designation	Department
Sanjeev Gupta	Professor	Architecture & Design
Sanjay Surya	Professor	Architecture & Design
Arati Prakash Khare	Professor	Architecture & Design
Dinesh Bhardwaj	Professor	Architecture & Design
Saket Jain	Associate Professor	Architecture & Design
Ishita Jindal	Assistant Professor	Architecture & Design
Shabeena	Assistant Professor	Architecture & Design
Dharmendra Bhogal	Assistant Professor	Architecture & Design
Anika Singh	Assistant Professor	Architecture & Design
Hitesh Kumar	Assistant Professor	Architecture & Design
Smriti Saigal	Assistant Professor	Architecture & Design
Nida Hassan	Assistant Professor	Architecture & Design
Deepesh Jai Singh	Assistant Professor	Architecture & Design
Pradeep Thapliyal	Assistant Professor	Architecture & Design
Sonam Aggarwal	Assistant Professor	Architecture & Design



Departments at a Glance:

1. DEPARTMENT OF ARCHITECTURE

i) Thrust Area

- Architectural History and Theory
- Seismic considerations for Buildings
- Hospital Architecture
- Sustainable Design and Urbanism
- Energy Efficient Architecture
- Design of Learning Environments
- Architectural Education
- Vernacular Studies

2. DEPARTMENT OF INTERIOR DESIGN

i) Thrust Area

- Socially relevant Innovation
- Eco-friendly Lighting Solutions
- Sustainable Design

ii) Academic Achievements

a. Student progression to higher education during the year: 2022-23

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Kaushal Yadav	B. Arch	Masters In Urban Planning, Spa, New Delhi	Urban Planning
Sajal Verma	B. Arch	Sushant University	Master of Architecture (Urban Design)

b. Students benefited by career counseling and guidance for competitive Examinations: 2022-23

Activity Description	No. of Participants
Career Counselling Session - Working as A Designer In The Professional World (By Alumni Sonali Barua)	14
Carpentry / Woodwork & Visual Display Retail	9
Poster making- Spread Awareness Among Youth regarding right to vote	21
Carpentry Workshop, MRIU, D Block	21
"Industrial visit to India Crafts Week 2022 at NSIC Exhibition Grounds, Okhla, Delhi"	35
GREEN BUILDINGS_ sustainable architecture and interior design auditorium I Block	110
Visual Merchandising Display Competition	10
Industrial Visit to ACETECH, Pragati Maidan, New Delhi	15
Luxury Design Week in India Design 2023 NSIC, Okhla Ground	18
Workshop & Site Visit for Electrical & Plumbing Design for Bath Remodeling Site Visit for Drainage & Plumbing for Bath Remodeling	12
Site Visit for Interior Finishing materials and its installation	12
Industrial Visit to Wood in Architecture and Design, India Expo Centre, Greater Noida Mart	22
Study Visit of Monument at Sunder Nursery, New Delhi	11
International Alumni Connect Activity – Expert Talk	150
International Webinar on Geometric Reasoning and Machine Learning in Digital Manufacturing and Design Applications.	250

c. FDPs attended by Faculty Members: 2022-23

Name of Faculty member	Title of Event	Date From	Date To
Arati Prakash Khare	FDP on Project Based Learning: International Perspective	04-07-2022	09-07-2022
Khushboo Naqvi	FDP on Project Based Learning: International Perspective	04-07-2022	09-07-2022
Ankita Narula	STC on Effective Curriculum Implementation	12-12-2022	16-12-2022
Smriti Saigal	FDP on AutoCAD	05-06-2023	09-06-2023
Smriti Saigal	FDP on Low Cost Housing Technique and Practices (Cluster)	13-03-2023	17-03-2023
Smriti Saigal	FDP on Innovative Technologies for Village Development	30-01-2023	03-02-2023
Smriti Saigal	FDP on Skill Development for Employability	16-01-2023	20-01-2023
Smriti Saigal	FDP on Curriculum Design for Developing Job related Competencies	09-01-2023	13-01-2023
Shruti Jain	FDP on Curriculum Design for Developing Job related Competencies	09-01-2023	13-01-2023
Shruti Jain	Energy Literacy Training	18-03-2023	23-03-2023
Shruti Jain	FDP on AutoCAD	05-06-2023	09-06-2023
Rachna Rajpal	STC on Technology Integration and NEP 2020	12-06-2023	16-06-2023
Rachna Rajpal	FDP on AutoCAD	05-06-2023	09-06-2023
Rachna Rajpal	FDP on Developing Healthy Work Culture	13-03-2023	17-03-2023
Rachna Rajpal	FDP on Low Cost Housing Technique and Practices (Cluster)	13-03-2023	17-03-2023
Abha Maheshwari	FDP on AutoCAD	05-06-2023	09-06-2023
Abha Maheshwari	STC on Technology Integration and NEP 2020	12-06-2023	16-06-2023
Simran Vats	Application of AutoCAD in Engineering	22-05-2023	26-05-2023
Simran Vats	FDP on AutoCAD	05-06-2023	09-06-2023
Simran Vats	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023
Simran Vats	FDP on Low Cost Housing Technique and Practices (Cluster)	13-03-2023	17-03-2023
Simran Vats	STC on Technology Integration and NEP 2020	12-06-2023	16-06-2023
Shipra Khanna	FDP on AutoCAD	05-06-2023	09-06-2023
Shipra Khanna	STC on Technology Integration and NEP 2020	12-06-2023	16-06-2023
Ankita Narula	FDP on AutoCAD	05-06-2023	09-06-2023

Ankita Narula	FDP on Guidance, Counseling and Mentoring Skills	27-03-2023	31-03-2023
Dinesh Kumar Yadav	FDP on AutoCAD	05-06-2023	09-06-2023
Dinesh Kumar Yadav	STC on Technology Integration and NEP 2020	12-06-2023	16-06-2023

d. Events organized: 2022-23

Title	From Date	To Date
Short Term Course on AutoCAD	05-06-2023	09-06-2023
FDP on Technology Integration and NEP 2020	12-06-2023	16-06-2023

Board of Faculty			
1	Prof. Dr. Pardeep Kumar	Dean FAD	Chairperson
2	MS. Shruti Jain	Associate Professor & HOD of FAD	Member
3	Dr. Arati Prakash Khare	Professor- Design deptt. of FAD	Member
4	Ms. Smriti Saigal	Assistant Professor- deptt. of FAD	Member
5	Ms. Angana Datta	Assistant Professor- deptt. of FAD	Member
6	Dr. Neerja Lugani Sethi	Professor University school of Planning & Architecture, Sector 16-C, Kakrola,	External Member
	Prof. Dr. Pardeep Kumar	Dean FAD	External Member

Board of Studies			
1	Prof. Dr. Pardeep Kumar	Dean FAD	Chairman
2	MS. Shruti Jain	Associate Professor & HOD of FAD	Member
3	Dr. Arati Prakash Khare	Professor- Design deptt. of FAD	Member
4	Ms. Smriti Saigal	Assistant Professor- deptt. of FAD	Member
5	Ms. Angana Datta	Assistant Professor- deptt. of FAD	Member
6	Prof. Manoj Mathur	Professor school of Planning & Architecture, New Delh	External Member
7	Dr. Neerja Lugani Sethi	Professor University school of Planning & Architecture, New Delhi	External Member

3.10 Faculty of Dental Science (fds)

DEPARTMENT OF DENTAL SCIENCE

Admission Status:

Name of the Faculty	Programme	Student Intake	Total Admissions
		UG/PG	UG/PG
FDS	BDS	100	68
	MDS	21	21

Faculty Member Details:

FACULTY OF DENTAL SCIENCE (FDS)

Name of the Full-time teacher	Designation	Department
Arundeep Singh	Professor	Conservative Dentistry
Dax Abraham	Professor	Conservative Dentistry
Swati Sanghi	Professor	Conservative Dentistry
Ravjot Ahuja	Reader	Conservative Dentistry
Alpa Gupta	Reader	Conservative Dentistry
Aishvarya Kaushik	Reader	Conservative Dentistry
Divyam Girdhar	Reader	Conservative Dentistry
Sucheta Jala	Reader	Conservative Dentistry
Parul Chauhan	Assistant Professor	Conservative Dentistry
Garima	Assistant Professor	Conservative Dentistry
Varsha Jain	Assistant Professor	Conservative Dentistry
Tushar Kohli	Assistant Professor	Conservative Dentistry
Vikas Swami	Assistant Professor	Conservative Dentistry
Suvith Virmani	Assistant Professor	Conservative Dentistry
Jaiprin Kaur Sethi	Assistant Professor	Conservative Dentistry
Nishant Chauhan	Assistant Professor	Conservative Dentistry
Seema Hasna Bukhari	Assistant Professor	Conservative Dentistry
Pankaj Dhawan	Professor	Prosthodontics

Piyush Tandan	Professor	Prosthodontics
Suruchi Pujara	Reader	Prosthodontics
Shivam Singh Tomar	Reader	Prosthodontics
Divyesh Mehta	Reader	Prosthodontics
Harsimran Kaur	Reader	Prosthodontics
Mansi Nautiyal	Assistant Professor	Prosthodontics
Shrey Kundra	Assistant Professor	Prosthodontics
Ojasvi Nijhawan	Assistant Professor	Prosthodontics
Reena Roy Rassawet	Assistant Professor	Prosthodontics
Sushen Sharma	Assistant Professor	Prosthodontics
Surbhi Malhotra	Assistant Professor	Prosthodontics
Vidushi Saxena	Assistant Professor	Prosthodontics
Uswah Khan	Assistant Professor	Prosthodontics
Tannu Goyal	Assistant Professor	Prosthodontics
Pankaj Dhawan	Professor	Prosthodontics
Puneet Batra	Professor	Orthodontics
Nitin Arora	Professor	Orthodontics
Ashish Kumar Singh	Professor	Orthodontics
Jitesh Wadhwa	Professor	Orthodontics
Abhita Malhotra	Reader	Orthodontics
Aditya Talwar	Assistant Professor	Orthodontics
Yatin Bajaj	Assistant Professor	Orthodontics
Swati Kharab	Assistant Professor	Orthodontics
Akanksha Shukla	Assistant Professor	Orthodontics
Prashant Sharma	Assistant Professor	Orthodontics
Nikita Mohelay	Assistant Professor	Orthodontics
Gaurav Saluja	Assistant Professor	Orthodontics
Shveta Sood	Professor	Pediatric and Preventive Dentistry (Pedodontics)
Naresh Sharma	Professor	Pediatric and Preventive Dentistry (Pedodontics)
Akshara	Reader	Pediatric and Preventive Dentistry (Pedodontics)
Puneet Mohan Khari	Assistant Professor	Pediatric and Preventive Dentistry (Pedodontics)
Vishal Jain	Assistant Professor	Pediatric and Preventive Dentistry (Pedodontics)
Karishma Chhabra	Assistant Professor	Pediatric and Preventive Dentistry (Pedodontics)
Madhulika Srivastava	Assistant Professor	Pediatric and Preventive Dentistry (Pedodontics)
Pooja Palwankar	Professor	Periodontics (Periodontology)
Ruchi Pandey	Professor	Periodontics (Periodontology)
Nipun Dhalla	Reader	Periodontics (Periodontology)
Lipika Gopal	Reader	Periodontics (Periodontology)
Shetal Gupta	Assistant Professor	Periodontics (Periodontology)
Karunik Gupta	Assistant Professor	Periodontics (Periodontology)
Shruti Saini	Assistant Professor	Periodontics (Periodontology)
Shivani Aggarwal	Professor	Dental Sciences (Oral & Maxillofacial Pathology & Oral Microbiology)
Manish Bhargava	Professor	Dental Sciences (Oral & Maxillofacial Pathology & Oral Microbiology)

Anchal Varshney	Assistant Professor	Dental Sciences (Oral & Maxillofacial Pathology & Oral Microbiology)
Hitesh	Assistant Professor	Dental Sciences (Oral & Maxillofacial Pathology & Oral Microbiology)
Ashim Aggarwal	Professor	Dental Sciences (Oral & Maxillofacial Surgery)
Kumar Rakshak Anand	Professor	Dental Sciences (Oral & Maxillofacial Surgery)
Amit Mohan	Professor	Dental Sciences (Oral & Maxillofacial Surgery)
Sandeep Subhash Arora	Reader	Dental Sciences (Oral & Maxillofacial Surgery)
Abhinav Kumar Sharma	Assistant Professor	Dental Sciences (Oral & Maxillofacial Surgery)
Sumit Bhateja	Professor	Dental Sciences (Oral Medicine & Radiology)
Tamanna Soni	Reader	Dental Sciences (Oral Medicine & Radiology)
Sheena	Assistant Professor	Dental Sciences (Oral Medicine & Radiology)
Meena Jain	Professor	Dental Sciences (Public Health Dentistry)
Nisha Yadav	Reader	Dental Sciences (Public Health Dentistry)
Akanksha Monga	Assistant Professor	Dental Sciences (Public Health Dentistry)
Roomani Srivastava	Assistant Professor	Dental Sciences (Public Health Dentistry)
Anupama V. Betigeri	Professor	Dental Sciences (Physiology)
Shakila Mahesh	Reader	Dental Sciences (Microbiology)
Anjana Goyal	Professor	Dental Sciences (Biochemistry)
Savita Bansal	Professor	Dental Sciences (General Pathology)
Reena Doomra	Professor	Dental Sciences (Pharmacology)
Alpana Goel Kesar	Reader	Dental Sciences (Human Anatomy)
M.Y. Shareef	Professor	Dental Sciences (General Surgery)
Pratul Priyadarshini	Reader	Dental Sciences (General Medicine)
Manju Singh	Reader	Dental Sciences (Anesthesia)



i) Academic Achievements

a. Student's Publications: 2022-23

Title of paper	Name of all the author/s	Student Authors	Journal/Conference/Book Title
Sports-related Orofacial Injuries in Children: Awareness and Experience among Sports Coaches in Delhi Region of India	Akanksha Tokas, Shveta Sood, Hind P. Bhatia, Naresh Sharma and Akshara Singh	Akansha Tokas	International Journal of Clinical Pediatric Dentistry
Prosthetic Rehabilitation of Familial Non-syndromic Oligodontia: A Case Report	Shreyas Shahid, Megha Sethi, Shveta Sood, Naresh Sharma	Shreyas Shahid, Megha Sethi	International Journal of Dental Science and Innovative Research (IJDSIR)
Oral health status and dental anomalies among children with congenital heart disease in contemporary times	Megha Sethi, Shveta Sood, Naresh Sharma, Akshara Singh, Pooja Sharma, and Prachi Kuksha	Megha Sethi	Special Care in Dentistry
Assessment of the Relationship between Dermatoglyphics and Space/Non-spaced Dentition Among Children Aged 3-6 years: A Cross Sectional Study	Shreyas Shahid, Shveta Sood, Naresh Sharma, Akshara Singh, Madhulika Srivastava, Carrolene Langpoklakpam	Shreyas Shahid	European Chemical Bulletin
Correlation of Dermatoglyphics among Pediatric Population Aged 3-6 years with Behaviour at the 1st Dental Visit-A Cross Sectional Study	Akanshsa Thapliyal, Shveta Sood, Naresh Sharma, Akshara Singh, Madhulika Srivastava, Pallavi Singha	Akansha Thapliyal	European Chemical Bulletin
Orofacial Cleft: A Multidisciplinary Perspective on management and care	M Piraveen, Shveta Sood, Tanu Nangia, Carrolene Langpoklakpam, Naresh Sharma, Lakshmi Prasadh	M. Piraveen	Journal of Clinical Otorhinolaryngology, Head, and Neck Surgery
Nitrous Oxide Sedation in Pediatric	Shreyas Shahid, Shveta Sood, Naresh Sharma	Shreyas Shahid	
Local Anesthesia in Dentistry and its Advances	Akanshsa Thapliyal, Shveta Sood, Naresh Sharma	Akansha Thapliyal	

Facial Cleft Anomalies in Pediatric	M. Piraveen, Shveta Sood, Naresh Sharma	M. Piraveen	
Smoking among Dental Students: Consumption and risk factors	Akshi Malhotra, Akif Ali, Arpita Dikshit, Sanchi kamra, Arjun singh, Tamanna Soni	Akshi Malhotra, Akif Ali, Arpita Dikshit, Sanchi kamra, Arjun singh	Southeast Asian Journal Of Health Professional
Role of Tongue Print for Biometric Authentication in Selected North Indian Population: A Digital Forensic Study	Vibhuti Mudgal , Sumit Bhateja, Geetika Arora	Vibhuti Mudgal	Asian Journal Of Dental Sciences
Tongue prints and its role in Forensic odontology	Vibhuti Mugdal, Sumit Bhateja, Geetika Arora	Vibhuti Mugdal	The Journal of Dental Panacea
Oral Psychosomatic disorders	Nikita Sharma , Muskaan Bhatia, Nupur Kalra, Sumit Bhateja, Geetika Arora	Nikita Sharma , Muskaan Bhatia, Nupur Kalra	The Journal of Dental Panacea
Panoramic Radiography - A Diagnostic Marker for early detection of stroke	Aarushi Bhatia, Sumit Bhateja , Geetika Arora	Aarushi Bhatia	Asian Journal Of Dental Sciences
Oil Pulling : A natural Cure to Oral Diseases	Amish Bansal , Arushi Bhatia , Sumit Bhateja, Sheena Thaman, Geetika Arora	Amish Bansal , Aarushi Bhatia	Asian Journal Of Dental Sciences
Radiation Safety Standards during 3D CBCT Imaging : A Review In Dentistry	Sheena Thamman , Sumit Bhateja , Jasmine, Reshma , Geetika Arora	Reshma RK	Journal of Dental Specialities
Systematic Review of role of genomic salivary biomarkers in the early detection of oral cancers	Muskan Bhatia, Nikita Sharma, Sumit Bhateja	Muskan Bhatia, Nikita Sharma	The Journal of Dental Panacea
Awareness Of Effects Of Junk Food And Carbonated Drinks On Dental Caries Among Undergraduate Students	Nishita Narula,Ojasvi Bhatia,Priyank Kamboj,Raunit Kumar Yadav,Pragya Bharti,Dr. Meena Jain,Dr. Roomani Srivastava	Nishita Narula,Ojasvi Bhatia,Priyank Kamboj,Raunit Kumar Yadav,Pragya Bharti,	International Journal of Early Childhood Special Education
Happiness, A Function Of Emotional Intelligence: An Analysis Among Dental Students Of Faridabad	Gupta J1 , Kaur M1 , Jain M2 , Srivastava R3 , Gupta I1 , Sandhu GK1 , Choudhary AR1	Jigyasa Gupta, Manmmet Kaur, Ishu Gupta, Gunjeet Kaur Sandhu, Anushka Rajesh Chaudhary	Journal of Positive School Psychology

COVID-19 Vaccines: A Review of Common Vaccine Types Globally	Nupur Kalra ¹ , Harshita Bharti ¹ , Dia Ghoshal ¹ , Roomani Srivastava ^{2*} and Meena Jain ³	Nupur Kalra, Harshita Bharti, Dia Ghoshal	EC Dental Science
Oral Health Status of 3-5 years old Anganwadi Children in Faridabad District, India	Meena Jain, Vishal Aneja, Ankur Sharma, Vishal Jain, Roomani Srivastava, Muskan Bhatia, Nupur Kalra	Muskan Bhatia, Nupur Kalra	International Journal of Early Childhood Special Education
Artificial Intelligence: The Immeasurable Limits in Pediatric Dentistry	Tanu Priya, Tanvi Baisoya, Dr. Roomani Srivastava, Dr. Meena Jain, Aaliya Haque Arshad, Tenzin Dolkar Dr. Vishal Jain	Tanu Priya, Tanvi Baisoya, Aaliya Haque Arshad, Tenzin Dolkar	International Journal of Early Childhood Special Education
Evolution of tobacco control in India: a narrative review of the legislative and regulatory approach	Muskan Bhatia, Nikita Sharma, Suzauddin Saifi, Swati Parashar, Nisha Nisha, Roomani Srivastava* and Meena Jain	Muskan Bhatia, Nikita Sharma, Suzauddin Saifi, Swati Parashar, Nisha Nisha	Reviews in Environmental Health
Neonatal Outcomes in Children of Mothers infected with COVID 19 during Pregnancy: A Scoping Review	Dia Ghoshal, Divya Singh Chhauhan, Arti Devi, Diksha Bhardwaj, Meena Jain, Roomani Srivastava	Dia Ghoshal, Divya Singh Chhauhan, Arti Devi, Diksha Bhardwaj,	European Chemical Bulletin
Anesthetic efficacy of supplemental intraligamentary injection in human mandibular teeth with irreversible pulpitis: a systematic review and meta-analysis	Alpa Gupta, Jitesh Wadhwa, Namrata Mehta, Dax Abraham, Kritika Aneja, Arundeeep Singh	Kritika Aneja	J Dent Anesth Pain Med
Elimination of Enterococcus faecalis from root canal system using laser-activated nanoparticles: a systematic review	Ansy Hanna Kurian, Simar Sethi, Kritika Aneja, Alpa Gupta, Suvidh Virmani, Dax Abraham	Ansy Hanna Kurian	LASERS IN MEDICAL SCIENCE
Correlation of endodontic infection and cytokine expression	Dax Abraham, Arundeeep Singh, Ansy Hanna Kurian, Alpa Gupta, Kritika Aneja, Simar Sethi	Ansy Hanna Kurian	ENDODONTOLOGY
Effect of calcium hydroxide on fracture resistance and microhardness of dentin in human teeth: A systematic review	Simar Sethi, Alpa Gupta, Ansy Hanna Kurian, Dax Abraham, Parul Chauhan, Kritika Aneja,	Simar Sethi	ENDODONTOLOGY

Influence of vehicle for calcium hydroxide on postoperative pain: a scoping review	Kritika Aneja, Alpa Gupta, Dax Abraham, Vivek Aggarwal, Simar Sethi, Parul Chauhan, Arundeeep Singh, Ansy Hanna Kurian, Sucheta Jala	Kritika Aneja	J Dent Anesth Pain Med
How to write a scoping review? – A comprehensive guide	Gupta, Alpa; Singh, Arundeeep; Aneja, Kritika; Wadhwa, Jitesh; Abraham, Dax	Kritika Aneja	Endodontology
Comparison of healing assessments of periapical endodontic surgery using conventional radiography and cone-beam computed tomography: A systematic review	Garima Sharma, Dax Abraham, Alpa Gupta, Namrata Mehta, Sucheta Jala, Parul Chauhan, Arundeeep Singh, Vivek Aggarwal	Garima Sharma	Imaging Sci Dent
Comparative evaluation of the force required to fracture coronal segments reattached using different methods	Deepti Sreen, Dax Abraham, Alpa Gupta, Arundeeep Singh, Nishant Chauhan, Sucheta Jala, Namrata Mehta	Deepti Sreen	Dental Traumatology
Preoperative nonsteroidal anti-inflammatory drugs on the success of inferior alveolar nerve block in irreversible pulpitis An overview of systematic reviews	Gupta, Alpa; Aneja, Kritika; Wadhwa, Jitesh; Mehta, Namrata	kritika Aneja	Saudi Endodontic Journal
Anesthetic efficacy of supplemental intraligamentary injection in human mandibular teeth with irreversible pulpitis: a systematic review and meta-analysis	Alpa Gupta, Jitesh Wadhwa, Namrata Mehta, Dax Abraham, Kritika Aneja, Arundeeep Singh, vivek aggarwal	kritika aneja	J Dent Anesth Pain Med
Quantitative evaluation of apically extruded debris during root canal preparation with reciprocating single file system, continuous rotary multiple file system and manual technique An in vitro study	Abraham, Dax; Gurawa, Alka,; Gupta, Alpa; Chauhan, Parul; Singh, Arundeeep; Jala, Sucheta	Alka Gurawa	Endodontology
The impact of SARS-CoV-2 on the sudden onset of Mucormycosis in the Indian subcontinent-A Review	Shakila Mahesh, Samridhi Srivastava, Riya Tripathi, Sakshi	Samridhi Srivastava, Riya Tripathi, Sakshi	Journal of Family Medicine and Primary care

Knowledge and perception related to the new SARS-CoV-2 variants amongst the general population and the healthcare workers in Delhi-NCR - A survey-based study" – Indian Journal of Health and Wellbeing	Shakila Mahesh, Jigyasa Gupta, Manya Jain, Juhi Singhla, Kadambari Harit	Jigyasa Gupta, Manya Jain, Juhi Singhla, Kadambari Harit	Indian Journal of Health and Wellbeing
Irritation Fibroma - A case report .	Richalina Das, Pooja Palwankar	Richalina Das	European journal of molecular and clinical medicine
Ankyloglossia- A case report	Ritika Verma, Pooja Palwankar	Ritika Verma	International journal of research and reports in dentistry
Variation in intensity of physical exercise in the adult population of Delhi NCR region before and after being infected with the novel Covid 19 virus: A Cross Sectional Study.	Savita Bansal, Nishita Narula, Akshi Malhotra, Akif Ali, Abid Meraj	Nishita Narula, Akshi Malhotra, Akif Ali, Abid Meraj	Indian Journal of positive psychology
Awareness, Attitude, and Practice about Basic Life Support among Dental Students.	Savita Bansal, Jigyasa Gupta, Juhi Singhla, Kadambari Harit, Kajasai Ragesvari, Manya Jain	Jigyasa Gupta, Juhi Singhla, Kadambari Harit, Kajasai Ragesvari, Manya Jain	Journal of the scientific Society
A conundrum for the world of Oral Biology: Crestal Bone Loss	Shubhaani Singh, Pankaj Dhawan, Harsimran Kaur	Shubhaani Singh	J Dutta Meghe Inst Med Sci Univ
Application of Rapid Prototyping	Shubhaani Singh, Pankaj Dhawan, Mansi Nautiyal		Frontiers in Biomedical Technologies
Diode laser- A treatment modality for lymphangioma?	Anushree Ningombam, Nipun Dhalla, Pooja Palwankar	Anushree Ningombam	European Journal of Molecular & clinical Medicine
Hypersensitivity to Titanium Dental Implants: A Review	Sheezan Akhtar, Pankaj Dhawan, Kiran Jot	Sheezan Akhtar	Journal of Prosthodontics Dentistry
Virtual Articulator	Sheezan Akhtar, Divyesh Mehta	Sheezan Akhtar	Lambert Academic Publishing

Theatrical Prosthodontics	Nikita Karabale, Pankaj Dhawan, Shivam Singh Tomar	Nikita Karabale	Notion Publishing House
Iatrogenic factors and periodontium	Ritika Verma, Pooja Palwankar	Ritika Verma	Lambert Academic Publishing
Forensic Periodontology	Anushree Ningombam, Nipun Dhalla, Pooja Palwankar	Anushree Ningombam	Lambert Academic Publishing
geriatric periodontology	Richalina Das, Pooja Palwankar, Lipika Gopal	Richalina Das	Lambert Academic Publishing
Foundation Restorations in fixed Prosthodontics	Suraj Naidu, Pankaj Dhawan, Sapna Rani, Vidushi Saxena	Suraj Naidu	Notion Publishing House
Implant Loading protocols	Shubhaani Singh, Piyush Tandan, Mansi Nautiyal	Shubhaani Singh	Lambert Academic Publishing
Knowledge, Attitude and Practice about Premenstrual Syndrome amongst the Females of Manav Rachna University	Anjana Goyal , Anushka Choudhary , Anila Maria Varghese , Nandini Mathur , Vanshika Batra , Prakriti Harsh , Antarini Roy	, Anushka Choudhary , Anila Maria Varghese , Nandini Mathur , Vanshika Batra Prakriti Harsh , Antarini Roy	Indian Journal of Health and Wellbeing
Analyzing Cognition for COVID-19 Vaccine: A Survey on Undergraduates of Manav Rachna University	Anjana Goyal , Reena Doomra , Anushka Choudhary , Anila Maria Varghese , Neha Atkaan , Chirag Kalha , Arjun Singh Verma, Ishu Gupta	Anushka Choudhar , Anila Maria Varghese , Neha Atkaan , Chirag Kalha , Arjun Singh Verma, Ishu Gupta	Indian Journal of social science
Impact of COVID-19 Pandemic on the Quality of Sleep: Role of Increased Isolation and Maximised Screen Time	Anjana Goyal, Nishita Narula, Vanshika agrawal, Akshi Malhotra, Tashya Saxena	Nishita Narula, Vanshika agrawal, Akshi Malhotra, Tashya Saxena	Indian Journal of Health and Wellbeing
Transverse Maxillary Deficiency Correction using MARPE	Neelam Jaiswal, Shivam Sharma, Nitin Arora	Neelam Jaiswal	Journal of Advanced Dentistry

Effects of Different Storage Temperatures on the Properties of Nonlatex Orthodontic Modules	Shivam Sharma, Ashish Kumar Singh, Puneet Batra, Nitin Arora, Sridhar Kannan	Shivam Sharma	Indian Journal of Dental Research
Comparison of temperature changes in pulp using monophasic light-emitting diode curing unit at different exposure times: An in vivo study	Chirag Sharma, Nitin Arora, Puneet Batra, Ashish Kumar Singh, Sridhar Kannan	Chirag Sharma	AJODO
IgA levels among Type 2 diabetic and non-diabetic patients with periodontitis: A prospective clinical study	Pooja Palwankar, Saumya Jain, Ruchi Pandey, Shakila Mahesh	Saumya Jain	European journal of dentistry
Dental Records Understanding among Private Dental Practitioners: A Descriptive Study	Manish Bhargava, Hitesh, Juhi Singhla, Kadambari Harit, Kaja Sai Ragesvari, Manya Jain, Jigyasa Gupta	Juhi Singhla, Kadambari Harit, Kaja Sai Ragesvari, Manya Jain, Jigyasa Gupta	European Chemical Bulletin

b. Student progression to higher education during the year:2022-23

Name of students enrolled for higher education	Graduated from which programme	Name of institution joined	Admitted to (Name of Programme)
Aditi Jain	Bachelor of Dental Science	Santosh Dental College & Hospital	MDS in Orthodontics
Chahat Singhal	Bachelor of Dental Science	Manav Rachna Dental College	MDS in Conservative Dentistry & Endodontics
Divya Singh Chauhan	Bachelor of Dental Science	Canadore College	Healthcare administration
Mayank Tewatia	Bachelor of Dental Science	Northumbria University	Msc HEALTHCARE MANAGEMENT
Muskan Bhatia	Bachelor of Dental Science	Cardiff University	Msc IN CANCER BIOLOGY
Nikita Sharma	Bachelor of Dental Science	Amity University	Master in Hospital Administration
Palak Jain	Bachelor of Dental Science	Manav Rachna Dental College	MDS in Conservative Dentistry & Endodontics

Radhika	Bachelor of Dental Science	Canadore College	Healthcare administration
Sonu Aggarwal	Bachelor of Dental Science	Deakin University	Master of public health
Sreejita Mukherjee	Bachelor of Dental Science	Santosh Dental College	MDS in Oral & Maxillofacial Surgery
Sunansh Malik	Bachelor of Dental Science	Christchurch College	Post graduate in Healthcare Practice
Surbhi Garg	Bachelor of Dental Science	Ulster University	Msc in Advanced General dentistry
Vanshika Bambha	Bachelor of Dental Science	Conestoga College	Masters in Health Care Administration & Service Management

c. Faculty members: Awards & Recognitions: 2022-23

Name of Faculty Member	Awards/Recognition
Sumit Bhateja	Invitation Letter to Join as Editorial Board Member of IDJSR Journal, International Dental Journal of Student's Research (22-04-2023)
Sumit Bhateja	Invitation Letter to Join as Editorial Board Member of JOOO Journal, Journal of Oral Medicine, Oral Surgery, Oral Pathology and Oral Radiology (24-04-2023)
Sumit Bhateja	Best Young Researcher, Innovative Education and Scientific research Journal (18-03-2023)
Sumit Bhateja	Excellence In Reviewing, Asian Journal of Dental Sciences (17-11-2022)
Sumit Bhateja	Excellence In Reviewing, Asian Journal of Dental Sciences (23-11-2022)
Sumit Bhateja	Excellence Iin Peer-Reviewing, BP International Books (01-06-2023)
Sumit Bhateja	Call for papers and Collaboration for Editorial Member, Indian Journal of contemporary (16-08-2022)
Sumit Bhateja	Invitation for Role as A Review Editor with Frontiers in Oral Health, Frontiers in Oral Helath (03-11-2022)
Pankaj Dhawan	Membership of Royal College of Physicians and Surgeons of Glasgow, Royal College of Physicians and Surgeons of Glasgow (22-03-2023)
Puneet Batra	Honoured as the past president of Indian Society of Cleft Lip Palate and craniofacial Anomalies at Indocleftcon 2023, Indian Society of Cleft Lip Palate and craniofacial Anomalies CONference (Indocleftcon) 2023 (18-03-2023)
Puneet Batra	Certificate of appreciation for contributing as Advisor in Panel Discussion for "Developing An Interdisciplinary Cleft Care Network System, Faculty of Dentistry, Jamia Millia Islamia (06-03-2023)

d. FDPs Attended by Faculty Members:2022-23

Name of the Faculty member	Title of the event	Date From	Date To
Tanu Nangia	Effective Curriculum Implementation	12-12-2022	12-16-2022
Tanu Nangia	Technology Integration and NEP 2020	12-06-2023	16-06-2023
Madhulika Srivastava	Technology Integration and NEP 2020	12-06-2023	16-06-2023
Madhulika Srivastava	Course spanning over 12 modules Energy Literacy Training	22-03-2023	28-03-2023
Madhulika Srivastava	Training the Trainers	18-01-2023	25-01-2023
Puneet Mohan Khari	Technology Integration and NEP 2020	12-06-2023	16-06-2023
Carrolene Langpoklakpam	Training the Trainers	18-01-2023	25-01-2023
Sumit Bhateja	Orientation course on Tobacco cessation	04-03-2023	26-04-2023
Sumit Bhateja	Ethics Review of Health Research	01-03-2023	15-03-2023
Mrinalini	Technology Integration and NEP 2020	12-06-2023	16-06-2023
Shivani Aggarwal	Training programme on "Entrepreneurship and Innovations"	22-01-2023	28-01-2023
Shivani Aggarwal	Course spanning over 12 modules Energy Literacy Training	22-03-2023	28-03-2023
Manish Bhargava	"Exploring Dynamics of National Education Policy 2020 with reference to NAAC Perspective"	12-05-2023	18-05-2023
Manish Bhargava	Technology Integration and NEP 2020 Conducted by Media Engineering Department	12-06-2023	16-06-2023
Manish Bhargava	Course spanning over 12 modules Energy Literacy Training	22-03-2023	28-03-2023
Indu Tanwar	Orientation course on Tobacco cessation	04-03-2023	26-04-2023
Indu Tanwar	"Inculcating Universal Human Values in Technical Education"	03-04-2023	07-04-2023

Tamanna Soni	Orientation course on Tobacco cessation	04-04-2023	30-04-2023
Adeeba Saleem	Orientation course on Tobacco cessation	04-03-2023	26-04-2023
Sharmistha Goel	Orientation course on Tobacco cessation	04-03-2023	26-04-2023
Adeeba Saleem	Ethics Review of Health Research	01-06-2023	15-06-2023
Sharmistha Goel	Ethics Review of Health Research	01-06-2023	15-06-2023
Meena Jain	Ethics Review of Health Research	01-06-2023	15-06-2023
Roomani Srivastava	Ethics Review of Health Research	01-06-2023	15-06-2023
Adeeba Saleem	Amazon Web Service-cloud computer	05-06-2023	10-06-2023
Anupama V Betigeri	One week online workshop on Advance Statistical Data Analysis using SPSS	21-01-2023	27-01-2023
Ashim Aggarwal	Training programme on "Entrepreneurship and Innovations"	22-01-2023	28-01-2023
Ashim Aggarwal	Course spanning over 12 modules Energy Literacy Training	22-03-2023	27-03-2023
Yajas Kumar	Technology Integration and NEP 2020	12-06-2023	16-06-2023
Divya Sharma	Technology Integration and NEP 2020	12-06-2023	16-06-2023
Neha Jain	Basic Course in Biomedical Research	01-09-2022	25-09-2022
Neha Jain	Introduction to systematic review for dental health professionals	01-10-2022	31-10-2022
Neha Jain	Training the Trainers	18-01-2023	25-01-2023
Neha Jain	Technology Integration and NEP 2020	12-06-2023	16-06-2023
Neha Jain	Media Engineering Department, National Institute of Technical teachers training and Research Chandigarh	25-02-2023	16-04-2023
Vidushi Saxena	Technology Integration and NEP 2020	12-06-2023	16-06-2023

Vidushi Saxena	Training the Trainers	18-01-2023	25-01-2023
Vidushi Saxena	Developing Healthy Work Culture	13-03-2023	17-03-2023
Megha Chopra	Training the Trainers	18-01-2023	25-01-2023
Megha Chopra	Developing Healthy Work Culture	13-03-2023	17-03-2023
Megha Chopra	Technology Integration and NEP 2020	12-06-2023	16-06-2023
Pooja Palwankar	Technology Integration and NEP 2020	12-06-2023	16-06-2023
Pooja Palwankar	Guidance, Counseling & Mentoring Skills	27-03-2023	31-03-2023
Pooja Palwankar	Research Training	12-06-2023	13-07-2023
Ruchi Pandey	Guidance, Counseling & Mentoring Skills	27-03-2023	31-03-2023
Ruchi Pandey	Statistical Analysis with Excel	05-06-2023	09-06-2023
Nipun Dhalla	Technology Integration and NEP 2020	12-06-2023	16-06-2023
Nipun Dhalla	Advance Research Methodology	21-03-2023	27-03-2023
Lipika Gopal	Technology Integration and NEP 2020	12-06-2023	16-06-2023
Lipika Gopal	Guidance, Counseling & Mentoring Skills	27-03-2023	31-03-2023
Anju Rana	Technology Integration and NEP 2020	12-06-2023	16-06-2023
Shakila Mahesh	Advanced Research Methodology on Data Analytics	22-06-2023	28-06-2023
Shakila Mahesh	Online Basic Course on Biomedical Research	21-02-2023	27-02-2023
Shakila Mahesh	Introduction to Systematic Reviews for Dental Health Professionals	01-09-2022	30-09-2022
Shakila Mahesh	Technology Integration and NEP 2020	12-06-2023	16-06-2023

Savita Bansal	Technology Integration and NEP 2020	12-06-2023	16-06-2023
Savita Bansal	Online Basic Course on Biomedical Research	21-02-2023	27-02-2023
Savita Bansal	Introduction to Systematic Reviews for Dental Health Professionals"	01-09-2022	30-09-2022
Savita Bansal	Course spanning over 12 modules Energy Literacy Training	20-03-2023	24-03-2023
Nikita Mohelay	Technology Integration and NEP 2020	12-06-2023	16-06-2023
Jitesh Wadhwa	Guidance, Counseling & Mentoring Skills	27-03-2023	31-03-2023
Anchal Varshney	Training programme on Entrepreneurship and Innovations	22-01-2023	28-01-2023
Anchal Varshney	Course spanning over 12 modules Energy Literacy Training	22-03-2023	27-03-2023
Anchal Varshney	Innovative Teaching and Learning Pedagogy	27-05-2023	31-05-2023
Anchal Varshney	Orientation course on Tobacco cessation	04-03-2023	26-04-2023
Hitesh	Exploring Dynamics of National Education Policy 2020 with reference to NAAC Perspective	12-05-2023	18-05-2023
Sucheta Jala	Technology Integration and NEP 2020	12-06-2023	16-06-2023

e. Events Organised: 2022-23

Title of events	From date	To date
Thermoforming Technology using Biostar and Ministar	14-07-2022	14-07-2022
Meta analysis for you and me	26-09-2022	26-09-2022
Implant Leadership Summit 2023	20-01-2023	20-01-2023

f. Faculty Research Papers: 2022-23

Title of paper	Name of the author/s	Name of journal	Year of publication
Oral Psychosomatic disorders	Sumit Bateja	The Journal of Dental Panacea	2022-23
Tongue prints and its role in Forensic odontology	Sumit Bateja	The Journal of Dental Panacea	2022-23

Panoramic Radiography - A Diagnostic Marker for early detection of stroke	Sumit Bateja	Asian Journal Of Dental Sciences	2022-23
Role of Tongue Print for Biometric Authentication in Selected North Indian Population: A Digital Forensic Study	Sumit Bateja	Asian Journal of Dental Science	2022-23
Oil Pulling : A natural Cure to Oral Diseases	Sumit Bateja	Asian Journal Of Dental Sciences	2022-23
Radiation Safety Standards during 3D CBCT Imaging : A Review In Dentistry	Sumit Bateja	Journal of Dental Specialities	2022-23
Systematic Review of role of genomic salivary biomarkers in the early detection of oral cancers	Sumit Bateja	Asian Journal Of Dental Sciences	2022-23
Smoking among Dental Students: Consumption and risk factors	Tamanna Soni	Southeast Asian Journal Of Health Professional	2022-23
Impact of mobile usage on salivary flow rate and Protein concentration A hospital based original research	Tamanna Soni	Bulletin of Environment , Pharmacology and life sciences	2022-23
Endodontic management of a C-shaped root canal using thermoplasticised obturation with a modified gutta-percha cartridge design. Case report	Mrinalini	New Zealand Dental Journal	2022-23
Shade matching in Restorative Dentistry: An update	Mrinalini	European Chemical Bulletin	2022-23
Stem cell in dentistry: Today and tomorrow	Mrinalini	International Journal of Life Science Research Archive	2022-23
Current overview on stem cells in dentistry	Mrinalini	GSC Advanced Research and Reviews	2022-23
Correlation between Implant Stability and Alkaline Phosphatase in Controlled Diabetics: A Clinical Study	Pankaj Dhawan	International Journal of Prosthodontics and Restorative Dentistry	2022-23
Osteogenesis Imperfecta and Dentinogenesis Imperfecta: Clinical Features and Dental management	Pankaj Dhawan	Current Medicine research and Practice	2022-23
A Conundrum for the World of Oral Biology: Crestal Bone Loss	Pankaj Dhawan	Journal of Datta Meghe Institute of Medical Sciences University	2022-23
Assessment of Changes in Oral Health-Related Quality of Life and Nutritional Status of Edentulous Patients before and after Insertion of Complete Dentures	Pankaj Dhawan	International Journal of Prosthodontics and Restorative Dentistry	2022-23

The Impact of Oral Health on the Quality of Life of Patients with Head and Neck Cancer Who Receive Treatment at a Cancer Hospital	Shivani Aggarwal	NeuroQuantology	2022-23
Immunohistochemical evaluation of E-cadherin in oral epithelial dysplasia and squamous cell carcinoma	Shivani Aggarwal	Indian Journal of Pathology and Microbiology	2022-23
Assessment Of Gingival Crevicular Fluid (GCF) For Leptin Levels In Subjects Undergoing Orthodontic Tooth Movement	Manish Bhargava	Journal of Pharmaceutical Negative Results	2022-23
Expectations, Views, And Awareness Of Covid-19 Vaccination Among Indian Dental Clinics: A Survey Study	Manish Bhargava	Journal of Pharmaceutical Negative Results	2022-23
Dental Records Understanding among private dental practitioners: A Descriptive Study	Manish Bhargava	European Chemical Bulletin.	2022-23
Extrafollicular adenomatoid odontogenic tumor: An infrequent case report	Anchal Varshney	Indian Journal of Pathology and Microbiology	2022-23
Conservative Approach for management of odontogenic Keratocyst-A Case Series and Review of Literature	Anchal Varshney	Journal of Clinical Otorhinolaryngology, Head, and Neck Surgery	2022-23
Hyperbaric Oxygen Experience on Treatment of the Bisphosphonate Related Osteonecrosis of Jaws (BRONJ): Two Case Reports of Patients Being Treated for Osteoporosis	Anchal Varshney	Korean Journal of Physiology and Pharmacology	2022-23
Validity and Reliability of the Hindi Version of the Summated Xerostomia Inventory-5 among head and neck cancer irradiated patients in Delhi, India.	Pankaj Dhawan	Journal of Cancer-Research and Therapeutics	2022-23
Antimicrobial efficacy of commercially available ozonated olive oil and sodium hypochlorite with and without ultrasonic activation in primary endodontic infections : A randomised clinical trial	Monika Tandan	Endodontology	2022-23
Comparative Analysis of Levels of Salivary Lysozyme before and after Removable Prosthodontic Treatment among Partially Edentulous Patients: An Observational Study	Pankaj Dhawan	International Journal of Prosthodontics and Restorative Dentistry	2022-23
Stress Analysis in Implant, abutment, and peripheral bone with different restorative crown and abutment materials: A three-dimensional finite element analysis study	Sapna Rani	Dental Research Journal	2022-23

Comparative Evaluation of Crestal Bone Loss in Surface-Treated Hydrophilic Implants v/s Moderately Rough Hydrophobic Implants: A Prospective Study	Sapna Rani	International Journal of Prosthodontics and Restorative Dentistry	2022-23
Magnification, Ultrasonics and Bioceramics - The ideal trio for file retrieval : A case report	Monika Tandan	Bulletin of Stomatology and Maxillofacial Surgery	2022-23
Stress Distribution in Bone Around an Implant-supported three-dimensional fixed dental prosthesis using two different computer-aided designing/ computer- aided milling provisional crown materials: Milled PMMA and Milled PEEK- A finite element analysis	Sapna Rani	Dental Research Journal	2022-23
The Role Of Human Nucleotide-Binding Oligomerization Domain-Like Receptor Family Pyrin Domain-Containing Protein Gene Polymorphism In Periodontitis- A Literature Review Of Clinical Studies	Dax Abraham	Journal of Survey in Fisheries Sciences	2022-23
E Faecalis Induces Increased Protein Expression of Caspase-1 and NLRP3 Inflammasome-A Systematic Review	Dax Abraham	European Chemical Bulletin	2022-23
Elimination of Enterococcus faecalis from root canal system using laser-activated nanoparticles: a systematic review	Alpa Gupta	Lasers in medical sciences	2022-23
How to write a scoping review? – A comprehensive guide	Alpa Gupta	Endodontology	2022-23
Evaluation of the effect of Implant Design and location on the Stress Distribution in an Implant-Supported Cantilever Fixed Partial Dentures: A Three-Dimensional Finite Element Study	Sapna Rani	NeuroQuantology	2022-23
Preoperative nonsteroidal anti-inflammatory drugs on the success of inferior alveolar nerve block in irreversible pulpitis: An overview of systemic reviews	Alpa Gupta	European Endodontic Journal	2022-23
Addition of 2 mg dexamethasone to improve the anesthetic efficacy of 2% lidocaine with 1:80,000 epinephrine administered for inferior alveolar nerve block to patients with symptomatic irreversible pulpitis in the mandibular molars: a randomized double-blind clinical trial	Alpa Gupta	Journal of Dental Anaesthesia and Pain management	2022-23

Correlation of endodontic infection and cytokine expression in patients with systemic diseases: A systematic review of clinical studies.	Dax Abraham	Endodontology	2022-23
Effect of calcium hydroxide on fracture resistance and microhardness of dentin in human teeth: A Systematic review	Alpa Gupta	Endodontology	2022-23
Quantitative evaluation of apically extruded debris during root canal preparation with reciprocating single file system, continuous rotary multiple file system and manual technique: An in vitro study.	Dax Abraham	Endodontology	2022-23
A Fixed Reconstruction and Immediate Rehabilitation of Fully Edentulous Arch using the All-On-Four Concept: Case-Series	Megha Chopra	Journal of Long-Term Effects of Medical Implants	2022-23
Environment to Store Alginate at its Best: An In-Vitro Study	Megha Chopra	Journal of Clinical Diagnostic Research	2022-23
An Insight into Polyether Ether Ketone (PEEK): Applications and Way Forward	Megha Chopra	Journal of Pharmaceutical Negative Results	2022-23
Association of Blood Groups with Body Mass Index and Blood Pressure among Undergraduate Dental Students.	Anupama V Betigeri	Indian Journal of Health & Wellbeing	2022-23
Ankyloglossia: A Case Report	Pooja Palwankar	International Journal of Research and Reports in Dentistry	2022-23
Irritation Fibroma - A case Report	Pooja Palwankar	European Journal of Molecular and Clinical Medicine	2022-23
Efficacy Of Commercially Available 10 Mg Curcumin Gel On Gingival Crevicular Fluid Periostin levels In In Chronic Periodontitis Patients	Ruchi Pandey	Journal of Pharmaceutical Negative Results	2022-23
Effect of low level laser therapy in bone regeneration as an adjunctive for treatment of periimplantitis: A case report	Nipun Dhalla	European Chemical Bulletin	2022-23
Diode laser - A treatment modality for lymphangioma	Nipun Dhalla	European Journal of Molecular and Clinical Medicine	2022-23
Photobiomodulation : An Elixir in Dentistry	Lipika Gopal	Journal of Clinical Otorhinolaryngology, Head, and Neck Surgery	2022-23

An 8-Year-Old Male with Juvenile Aggressive Fibromatosis of The Lower Jaw: A Case Study	Yajas Kumar	International Journal of Dental Science and Innovative Research (IJDSIR)	2022-23
COVID-Associated Avascular Necrosis of the Maxilla —A Rare, New Side Effect of COVID-19	Yajas Kumar	International Journal of Dental Science and Innovative Research (IJDSIR)	2022-23
Assesment of Prevalence of Middle Mesial Canal in Mandibular First Molars using 3-D Imaging	Yajas Kumar	European Chemical Bulletin	2022-23
Relationship between BMI and Nutrition in an Indian Adult Population: Findings from an exploratory study	Anupama V Betigeri	European Chemical Bulletin	2022-23
Effect of Hypochlorites on the Compressive strength and surface hardness of Type V Dental Stone: In Vitro Study	Harsimran kaur	Journal of contemporary Dental practice	2022-23
Child Abuse in India – A Review.	Adeeba Saleem	IJDSIR	2022-23
Tobacco cessation strategies for 21st century	Adeeba Saleem	Global Scientific Journal	2022-23
Influence of thermocycling and surface treatments on flexural strength of Denture Base resin- An In Vitro Study	Harsimran kaur	International Journal of Prosthodontics and Restorative Dentistry	2022-23
Sterilization and disinfection process followed amongst prosthodontist during covid 19 omicron time madhya pradesh	Uswah Khan	NeuroQuantology	2022-23
Awareness of Biomedical Waste Management among Health Care Personnel in Bareilly International University, Bareilly, India	Adeeba Saleem	International Healthcare Research Journal	2022-23
Clinical Efficacy between a Probiotic and 0.2% Chlorhexidine Mouth Rinse on Oral Health: A Randomized and Controlled Trial	Adeeba Saleem	International Journal of Scientific Study	2022-23
Effect of Er:YAG Laser application on the prevention of primary and permanent tooth enamel demineralization	Madhulika	Acta Biomedica	2022-23
Assessment of the relationship between dermatoglyphics and spaced/non-spaced dentition among children aged 3-6 years- A cross-sectional study	Shveta Sood	Journal of European chemical bulletin	2022-23
Correlation of dermatoglyphics among pediatric population aged 3-6 years with behavior at the 1 st dental visit – a cross sectional study	Naresh	Journal of European chemical bulletin	2022-23

An assessment of understanding and perspective of BDS Undergraduate students related to child abuse and neglect in an Indian Setup: A questionnaire Based Study	Tanu Nangia	Archives of Medicine & Health Sciences	2022-23
Comparison and evaluation of efficacy of olfactory and taste distraction in managing anxious pediatric patients during radiovisiography	Gauri kalra	Journal of Dental specialities	2022-23
Orofacial Cleft: A Multidisciplinary Perspective on Management and care	Naresh	journal of Clinical Otorhinolaryngology, Head and Neck Surgery	2022-23
Comparative Evaluation of Antimicrobial Efficacy of Silver Diamine Fluoride and Silver Diamine Fluoride with Potassium Iodide on Candida albicans and Lactobacilli Count and Effect on Salivary pH in Children– An In-Vivo Study	Carrolene	Journal of Pharmaceutical Negative Result	2022-23
Management of Parasymphysis Fracture in a young child using Arch bar Fixation: a case Report	Carrolene	Journal of Pharmaceutical Negative Result	2022-23
Artificial Intelligence: The Immeasurable Limits in Pediatric Dentistry	Vishal Jain	International Journal of Early Childhood Special Education	2022-23
Oral Health status of 3-5 years old Anganwadi Children in Faridabad District, India	Vishal Jain	International Journal of Early Childhood Special Education	2022-23
Correlation between Implant Stability and Alkaline Phosphatase in Controlled Diabetics: A Clinical Study	Neha Jain	International Journal of Prosthodontic and Restorative Dentistry	2022-23
Ozone therapy in dentistry: systematic review	Neha Jain	Baba farid University Dental journal	2022-23
An 8-Year-Old Male with Juvenile Aggressive Fibromatosis of The Lower Jaw: A Case Study	Divya Sharma	International Journal of Dental Science and Innovative Research (IJDSIR)	2022-23
COVID-Associated Avascular Necrosis of the Maxilla —A Rare, New Side Effect of COVID-19	Divya Sharma	International Journal of Dental Science and Innovative Research (IJDSIR)	2022-23
Assessment of Prevalence of Middle Mesial Canal in Mandibular first Molars using 3-D imaging	Divya Sharma	European Chemical Bulletin	2022-23
The impact of SARS-CoV-2 on the sudden onset of Mucormycosis in the Indian subcontinent-A review	Shakila Mahesh	Journal of Family Medicine and Primary Care	2022-23

Assessment of Changes in Oral Health-related Quality of Life and Nutritional Status of Edentulous Patients before and after Insertion of Complete Dentures	Meena Jain	International Journal of Prosthodontics and Restorative Dentistry	2022-23
Oral Health status of 3-5 years old Anganwadi Children in Faridabad District, India	Meena Jain	International Journal of Early Childhood Special Education	2022-23
Evolution of tobacco control in India: a narrative review of the legislative and regulatory approach	Meena Jain	Reviews on Environmental Health	2022-23
Happiness, A Function Of Emotional Intelligence: An Analysis Among Dental Students Of Faridabad	Meena Jain	Journal of Positive School Psychology	2022-23
Marginal Adaptation and Internal Fit of 3D-Printed Provisional Crowns and Fixed Dental Prosthesis Resins Compared to CAD/CAM-Milled and Conventional Provisional Resins: A Systematic Review and Meta-Analysis	Meena Jain	Coatings	2022-23
Validity and reliability of the Hindi version of the Summated Xerostomia Inventory-5 among head and neck cancer irradiated patients in Delhi, India	Meena Jain	Journal of Cancer-Research and Therapeutics	2022-23
Artificial intelligence: the immeasurable limits in pediatric dentistry	Meena Jain	International Journal of Early Childhood Special Education	2022-23
Risk Assessment and Considerations for Dental Treatment of Medically Compromised Patients	Meena Jain	JK Practitioner	2022-23
Neonatal Outcomes in Children of Mother's infected with COVID-19 during pregnancy: A Scoping Review	Meena Jain	Eur. Chem. Bull	2022-23
Attitude, and Practice about Basic Life Support among Dental Students.	Savita Bansal	Journal of the Scientific Society	2022-23
Histopathological evaluation of arterial wall calcification in CKD5 patients; role of diabetes mellitus and metabolic factors	Savita Bansal	Bulletin of environment, pharmacology and life sciences	2022-23
Anatomical variations of renal arteries in 20 human cadavers & its clinical correlation	Savita Bansal	Bulletin of environment, pharmacology and life sciences	2022-23

Variation in intensity of physical exercise in the adult population of Delhi NCR region before and after being infected with the novel Covid 19 virus: A Cross Sectional Study. Indian journal of positive psychology	Savita Bansal	Indian journal of positive psychology	2022-23
Summative Assessment in Competency Based Medical Education - A Critical Analysis	Savita Bansal	Bulletin of environment, pharmacology anf life sciences	2022-23
Preoperative nonsteroidal anti-inflammatory drugs on the success of inferior alveolar nerve block in irreversible pulpitis.An overview of systematic reviews	Jitesh Wadhwa	Saudi Endodontic Journa	2022-23
How to write a scoping review? – A comprehensive guide	Jitesh Wadhwa	Endodontology	2022-23
Artificial Intelligence: A boon or bane to researchers.	Gauri Kalra	J South Asiac ASSOC Pediatric DEnt	2022-23
Gingival Crevicular Fluid Levels of Neurokinin A and Substance P in Patients with symptomatic Irreversible Pulpitis: A Systematic Review and Meta- Analysis.	Dax Abraham	Int Soc Prevent Communit Dent	2022-23
Evaluation of post operative pain using warn versus room temprature sodium hypochlorite as an irrigant in mandibular molars with irreversible pulpitis: A randomized controlled trial.	Alpa Gupta	J Conserv Dent Endod	2022-23
Effect of Cooling of Lidocaine with Epinephrine on the anesthetic success of supplementary intraligamentary injection after a failed primary inferior Alveolar Nerve Block: A Randomized controlled trial.	Alpa Gupta	Eur Endod J	2022-23
Symptomatic irreversible pulpitis induces increased levels of human NLRP3 in gingival crevicular fluid compared to saliva- a case control observational study	Dax Abraham	joen	2022-23
Efficacy of corticosteroids on postoperative pain levels after nonsurgical endodontic treatment: an overview of systematic review.	Alpa Gupta	Saudi Endod J	2022-23

g. Books Chapters: 2022-23

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference /
Dr. Vidushi Saxena	Foundation Restoration in fixed Prosthodontics	NA	NA
Dr. Megha Chopra	Indirect Restorations: A Changing Paradigm	NA	NA
Dr. Monika Tandan	Endodontic Mishaps - Overcoming Challenges	NA	NA
Dr. Puneet Batra	Photography in Orthodontia: Present state of affairs: Current fundamentals of Photography in Orthodontics and a brief guide	NA	NA
Dr. Jitesh Wadhwa	Nutrition in Orthodontics	NA	NA
Dr. Abhita Malhotra	Photography in Orthodontia: Present state of affairs: Current fundamentals of Photography in Orthodontics and a brief guide	NA	NA
Dr. Nikita Mohelay	Nutrition in Orthodontics	NA	NA
Dr Sapna Rani	Foundation Restoration in fixed Prosthodontics,	NA	NA
Dr Sapna Rani	Indirect Restorations: A Changing Paradigm	NA	NA
Dr. Monika Tandan	Recent advances in diagnosis and management of Dental caries	NA	NA

Board of Faculty-FDS

1	Dr. Arundeeep Singh	Principal, FDS	Chairperson
2	Dr. Ashim Aggarwal	Professor & Head, Dept. of Oral Surgery	Member
3	Dr. Pankaj Dhawan	Professor & Head ,Dept of Prosthodontics	Member
4	Dr. Shivani Aggarwal	Professor& Head,Dept. of Oral Pathology	Member
5	Dr. Pooja Palwankar	Professor & Head ,Dept. of Periodontology	Member
6	Dr Nitin Arora	Professor & Head ,Dept. of Orthodontics	Member
7	Dr. ShvetaSood	Professor & Head ,Dept. of Pedodontics	Member
8	Dr. Dax Abraham	Professor& Head,Dept. of Conservative Dentistry	Member
9	Dr.Alpana Goel Kesar	Reader & Head,Department of Anatomy	Member
10	Dr. SumitBhateja	Professor & Head ,Dept of Oral Medicine	Member
11	Dr. Meena Jain	Professor & Head ,Dept of Public Health Dentistry	Member
12	Dr. Anupama V. Betigeri	Professor & Head ,Dept of Physiology	Member
13	Dr. Anjana Goyal	Professor & Head ,Dept. of Biochemistry	Member
14	Dr. Reena Doomra	Professor & Head ,Dept. of Pharmacology	Member
15	Dr. Savita Bansal	Professor & Head ,Department of General Pathology	Member
16	Dr.Shakila Mahesh	Reader & Head,Department of Microbiology	Member
17	Dr. Naresh Sharma	Professor,Dept. of Pedodontics	Member
18	Dr. Puneet Batra	Professor,Dept. of Orthodontics	Member
19	Dr. Piyush Tandan	Professor,Dept. of Prosthodontics	Member
20	Dr Ashish Kumar Singh	Professor,Dept. of Orthodontics	Member
21	Dr.Manish Bhargava	Professor,Department of Oral Pathology	Member
22	Dr.Lipika Gopal	Reader,Dept. of Periodontology	Member
23	Dr. Tamanna Soni	Reader,Dept. of Oral Medicine Radiology	Member
24	Dr. Parul Chauhan	Senior Lecturer,Dept. of Conservative Dentistry	Member
25	Dr.Roomani Srivastava	Senior Lecturer,Dept. of Public Health Dentistry	Member
26	Dr Vivek Aggarwal	Professor ,Dept. of Conservative Dentistry & Endodontics, Jamia Millia Ismailia, New Delhi	External Member
27	Dr. Abhishek Mehta	Professor & Head, Dept. of Public Health Dentistry, Jamia Millia Ismailia, New Delhi	External Member

Board of Studies

Bachelor of Dental Sciences			
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4	Dr. Shivani Aggarwal	Professor & Head, Dept. of Oral Pathology	Member
5	Dr. Pooja Palwankar	Professor & Head, Dept. of Periodontology	Member
6	Dr. Shveta Sood	Professor & Head, Dept. of Pedodontics	Member
7	Dr. Pankaj Dhawan	Professor & Head, Dept of Prosthodontics	Member
8	Dr. Sridhar Kannan	Professor & Head, Dept. of Orthodontics	Member
9	Dr. Sumit Bhateja	Professor & Head, Dept of Oral Medicine	Member
10	Dr. Meena Jain	Professor & Head, Dept of Public Health Dentistry	Member
11	Dr. Anupama V. Betigeri	Professor & Head, Dept of Physiology	Member
12	Dr. Anjana Goyal	Professor & Head, Dept. of Biochemistry	Member
13	Dr. Reena Doomra	Professor & Head, Dept. of Pharmacology	Member
14	Dr. Savita Bansal	Professor & Head, Department of General Pathology	Member
15	Dr. Kumar Rakshak Anand	Professor, Dept. of Oral Surgery	Member
16	Dr. Piyush Tandan	Professor, Dept. of Prosthodontics	Member
17	Dr. Manish Bhargava	Professor, Dept. of Oral Pathology	Member
18	Dr. Ruchi Pandey	Professor, Dept. of Periodontology	Member
19	Dr. Ashish Kumar Singh	Professor, Dept. of Orthodontics	Member
20	Dr. Naresh Sharma	Professor, Dept. of Pedodontics	Member
21	Dr. Alpana Goel Kesar	Reader & Head, Department of Anatomy	Member
22	Dr. Shakila Mahesh	Reader & Head, Department of Microbiology	Member
23	Dr. Sheena Thamman	Senior Lecturer, Dept of Oral Medicine	Member
24	Dr. Akanksha Monga	Senior Lecturer, Dept of Public Health Dentistry	Member
25	Dr. Neeraj Grover	Professor & Head, Dept. of Oral Pathology, Santosh Dental College, Ghaziabad	External Member
26	Dr. Anuradha Sharma	Professor & Head, Dept. of Microbiology, Jamia Millia Islamia, New Delhi	External Member

MDS Program (Periodontology)			
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2	Dr. Ruchi Pandey	Prof. Dept. of Periodontology	Member
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4	Dr. Lipika Gopal	Reader, Dept. of Periodontology	Member
5	Dr. Karunik Gupta	Senior lecturer, Dept. of Periodontology	Member
6	Dr. Shetal Rani	Senior lecturer, Dept. of Periodontology	Member
7	Dr. Vikram Blaggana	Professor & Head ,Dept. of Periodontology, Inderprastha Dental College and Hospital,Ghaziabad	External Member
8	Dr. Kunaal Dhingra	Professor, Periodontology Division, Centre for Dental Education and Research, AIIMS	External Member

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1	Dr Pankaj Dhawan	Professor & Head, Dept. of Prosthodontics	Member
2	Dr. Piyush Tandan	Professor, Dept. of Prosthodontics	Member
3	Dr. Neha Jain	Professor, Dept. of Prosthodontics	Member
4	Dr. Sapna Rani	Professor, Dept. of Prosthodontics	Member
5	Dr. Chhavi Goyal Seth	Reader, Dept. of Prosthodontics	Member
6	Dr. Harsimran Kaur	Reader, Dept. of Prosthodontics	Member
7	Dr. Suruchi Sidwani	Reader, Dept. of Prosthodontics	Member
8	Dr. Divyesh Mehta	Reader, Dept. of Prosthodontics	Member
9	Dr. Ojasvi Nijhawan	Senior lecturer, Dept. of Prosthodontics	Member
10	Dr. Reena Roy Rassawat	Senior lecturer, Dept. of Prosthodontics	Member
11	Dr. Surbhi Malhotra	Senior lecturer, Dept. of Prosthodontics	Member
12	Dr. Uswah Khan	Senior lecturer, Dept. of Prosthodontics	Member
13	Dr. Vidushi Saxena	Senior lecturer, Dept. of Prosthodontics	Member
14	Dr. Tannu Goyal	Senior lecturer, Dept. of Prosthodontics	Member
15	Dr. Megha Chopra	Senior lecturer, Dept. of Prosthodontics	Member
16	Dr. Rekha Gupta	Professor & Head, Dept. of Prosthodontics, Maulana Azad Institute of Dental Sciences, New Delhi	External Member

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2	Dr. Naresh Sharma	Professor, Dept. of Pedodontics & Preventive Dentistry	Member
3	Dr. Tanu Nangia	Professor, Dept. of Pedodontics & Preventive Dentistry	Member
4	Dr. Madhulika Srivastava	Reader, Dept. of Pedodontics & Preventive Dentistry	Member
5	Dr. Puneet Mohan	Senior lecturer, of Pedodontics & Preventive Dentistry	Member
6	Dr. Vishal Jain	Senior lecturer, of Pedodontics & Preventive Dentistry	Member
7	Dr. Carrolene Langpoklakpam	Senior lecturer, of Pedodontics & Preventive Dentistry	Member
8	Dr. Bhavna Gupta Saraf	Professor & Head, Dept. of Pedodontics & Preventive Dentistry, Sudha Rustagi College of Dental sciences, Faridabad	External Member
9	Dr Gyanendra Kumar	Prof, Dept. of Pedodontics & Preventive Dentistry, Maulana Azad Institute of Dental Sciences, New Delhi	External Member

MDS Program (Orthodontics and Dentofacial Orthopedics)			
1	Dr. Puneet Batra	Professor & Head, Department of Orthodontics	Chairperson
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3	Dr. Jitesh Wadhwa	Professor, Department of Orthodontics	Member
4	Dr. Abhita Malhotra	Reader, Department of Orthodontics	Member
5	Dr. Akansha Shukla	Senior lecturer, Department of Orthodontics	Member
6	Dr. Nikita Mohale	Senior lecturer, Department of Orthodontics	Member
7	Dr. Gaurav Saluja	Senior lecturer, Department of Orthodontics	Member
8	Dr. Ujwal Gautam	Senior lecturer, Department of Orthodontics	Member
9	Dr. Sunanda Roy Chaudhary	Professor & Head, Department of Orthodontics, Shri Bankey Bihari Dental College & Hospital, Ghaziabad	External Member
10	Dr. Rajiv Ahluwalia	Professor & Head, Department of Orthodontics, Santosh Dental College & Hospital, Ghaziabad	External Member

MDS Program (Conservative Dentistry and Endodontics)			
1	Dr. Arundeeep Singh	Senior Professor, Dept. of Conservative Dentistry & Endodontics	Chairperson
2	Dr. Dax Abraham	Professor & Head, Dept. of Conservative Dentistry & Endodontics	Member
3	Dr. Alpa Gupta	Reader, Dept. of Conservative Dentistry & Endodontics	Member

4	Dr. Sucheta Jala	Reader, Dept. of Conservative Dentistry & Endodontics	Member
5	Dr. Aishwarya Kaushik	Reader, Dept. of Conservative Dentistry & Endodontics	Member
6	Dr. Suvidh Virmani	Senior lecturer, Dept. of Conservative Dentistry & Endodontics	Member
7	Dr. Nishant Chauhan	Senior lecturer, Dept. of Conservative Dentistry & Endodontics	Member
8	Dr. Seema Hasna Bukhari	Senior lecturer, Dept. of Conservative Dentistry & Endodontics	Member
9	Dr. Garima	Senior lecturer, Dept. of Conservative Dentistry & Endodontics	Member
10	Dr. Tushar Kohli	Senior lecturer, Dept. of Conservative Dentistry & Endodontics	Member
11	Dr. Jaiprin Kaur Sethi	Senior lecturer, Dept. of Conservative Dentistry & Endodontics	Member
12	Dr. Mrinalini	Senior lecturer, Dept. of Conservative Dentistry & Endodontics	Member
13	Dr. Varsha Jain	Senior lecturer, Dept. of Conservative Dentistry & Endodontics	Member
14	Dr. Ajay Logani	Professor & Head, Dept. of Conservative Dentistry & Endodontics, CDER, All India Medical Sciences, New Delhi	External Member
15	Dr. Vivek Aggarwal	Professor, Dept. of Conservative Dentistry & Endodontics, Jamia Millia Ismailia, New Delhi	External Member

Manav Rachna Dental College, Faculty of Dental Sciences, MRIIRS is a NAAC A++ grade certified institution with a demonstrated history of excelling in Dental Education, research, innovation as well as community service. Each year, the institution has grown from strength to strength by innovating in teaching and learning methods thereby contributing to the growth of our students.

In this report, we outline our progresses in academics, continuing education programs and our social initiatives.

Academic Excellence:

To improve academics in Manav Rachna Dental College, various teaching methods are implemented to engage students, enhance their learning experience, and promote academic success. Here are some effective teaching methods that were employed:

1. **Active Learning:** Encourage active participation of students through interactive sessions, group discussions, case studies, and problem-solving activities. This approach promoted critical thinking, analytical skills, and knowledge retention.
2. **Flipped Classroom:** Implement a flipped classroom model where students study course material before class and use class time for discussions, hands-on activities, and clarification of concepts. This approach fosters deeper understanding and application of knowledge.
3. **Problem-Based Learning (PBL):** Introduce PBL, where students work in groups to solve real-world dental problems. This method promotes teamwork, research skills, and the application of theoretical knowledge in practical scenarios.



Small Group Discussion and Teaching by Final BDS students under supervision of Dr. Nishant Chauhan in Dept of Conservative Dentistry For on 25th May 2023



Small Group Teaching amongst students of 2nd BDS on the topic of Bone Tumors in the Dept. of General Pathology on 27th November 2022

4. STUDENT CENTERED APPROACH- Student-centered learning involved assessment of each student of 1st year, 2nd year and 3rd batch of BDS, admitted under MRIIRS. Different activities were held like e-posters, assignments, Model making to promote learning in communication with teachers and other learners. The students assisted each other in learning process and also develop the spirit of team work. The learning is more personalized competency based in which the student takes the ownership of their learning.



Model prepared by students of 3rd BDS on Structure of Human Cell

Model prepared by students of 3rd BDS on Enamel Hypoplasia for the Dept. of Oral Pathology



5. **Technology Integration:** Utilize technology tools such as multimedia presentations, online platforms, and virtual simulations to enhance lectures, demonstrations, and laboratory sessions. Technology integration made learning more engaging, interactive, and accessible.
6. **Peer-Assisted Learning:** Encourage peer learning by assigning students to study groups or pairs. This approach allowed students to exchange knowledge, explain concepts to one another, and provide feedback, fostering a collaborative learning environment.
7. **Formative Assessments:** Implement regular formative assessments such as quizzes, class discussions, and short assignments to evaluate students' understanding of topics throughout the year. Timely feedback helped students identify their strengths and weaknesses, enabling them to improve their performance.
8. **Individualized Support:** Provided personalized attention to students through mentoring, academic counseling, and support services. This helped identify and address individual learning needs, challenges, and concerns, promoting overall academic growth and well-being.
9. **Research and Presentation Skills:** Incorporate research projects and presentations into the curriculum to develop students' research skills, critical analysis, and effective communication abilities. This promoted in-depth understanding of subject matter and enhances presentation skills.

The year 2022 marked the culmination of the educational intervention of MRDC of introducing Research as a Subject in undergraduate students. The Department of Public Health Dentistry has been teaching 'Research and Innovation Catalyst' as a subject to undergraduate students since three years now and has been reaping benefits of the same in the form of students bagging grants from the Department of Sciences and Technology for their innovations.

UG students of MRDC today collectively have 150 publications, 50 plus Best Paper/ poster Awards and 7 grants and have presented numerous scientific papers and posters at various National Conferences.

10. **Guest Lectures and Workshops:** Invite guest speakers, experienced professionals, and experts from the dental industry to deliver lectures, conduct workshops, and share their practical insights. This exposure provided students with a broader perspective and keeps them updated with the latest trends and advancements in the field.

ORTHOPATHSHALA- organised by the Dept of Orthodontics on 29th July 2022. Dr. Sridhar Kannan was the resource person.

1. A lecture and live demonstration on the topic Immediate Implant Placement- An evidence-based approach organized by the Department of Prosthodontics and Crown & Bridge and Implantology on 8th August 2022.

Immediate Implant placement-An evidence based approach Lecture & demonstration

Dr Brijesh Patel
BDS, DND, FRCR, FRCR, FRCR, FRCR

8TH AUGUST 2022
8:00 AM ONWARDS

VENUE: | BLOCK MRIBS

ORGANISED BY
Department of Prosthodontics and Crown & Bridge
Manav Rachna Dental College
Faridabad

DR. BRIJESH PATEL IS A GRADUATE OF THE PROSTHODONTIC TEMPLE UNIVERSITY AND WAS BESTOWED AS HONOR STUDENT IN ORAL SURGERY MOST PROGRAM AND EARNED EXCELLENCE AWARD IN FIELD OF COSMETIC DENTISTRY. HE HAS RECEIVED ADVANCED TRAINING IN IMMEDIATE DENTISTRY. HE HAS BEEN AWARDED FELLOW DIPLOMATE IN ORAL IMPLANTOLOGY BY THE INTERNATIONAL CONFERENCE OF ORAL IMPLANTOLOGISTS AND AMERICAN ASSOCIATION OF IMPLANT PROSTHETICS (AAIIP).

SCHEDULE

- 8:00 AM - Welcome & Registration
- 8:30 AM - Lecture & Demonstration
- 10:00 AM - Break
- 10:30 AM - Lunch
- 11:30 AM - Registration for the next day

ORGANISING TEAM

- Dr. Brijesh Patel
- Dr. Sridhar Kannan
- Dr. Anshu
- Dr. Anshu
- Dr. Anshu

PATRON

PATRON



2. WORLD HEART DAY celebrated by Dept of Periodontology on 29-09-2022



3. Oral Hygiene Day celebrated by Dept of periodontology on 01-08-2022



4. **INVISALIGN UNIVERSITY EDUCATION PROGRAMME** was conducted by Dept of Orthodontics on 13/06/2022
5. **Lecture cum Hands-on on "Basic Implantology"** was conducted by Dept of periodontology on 12-10-2022

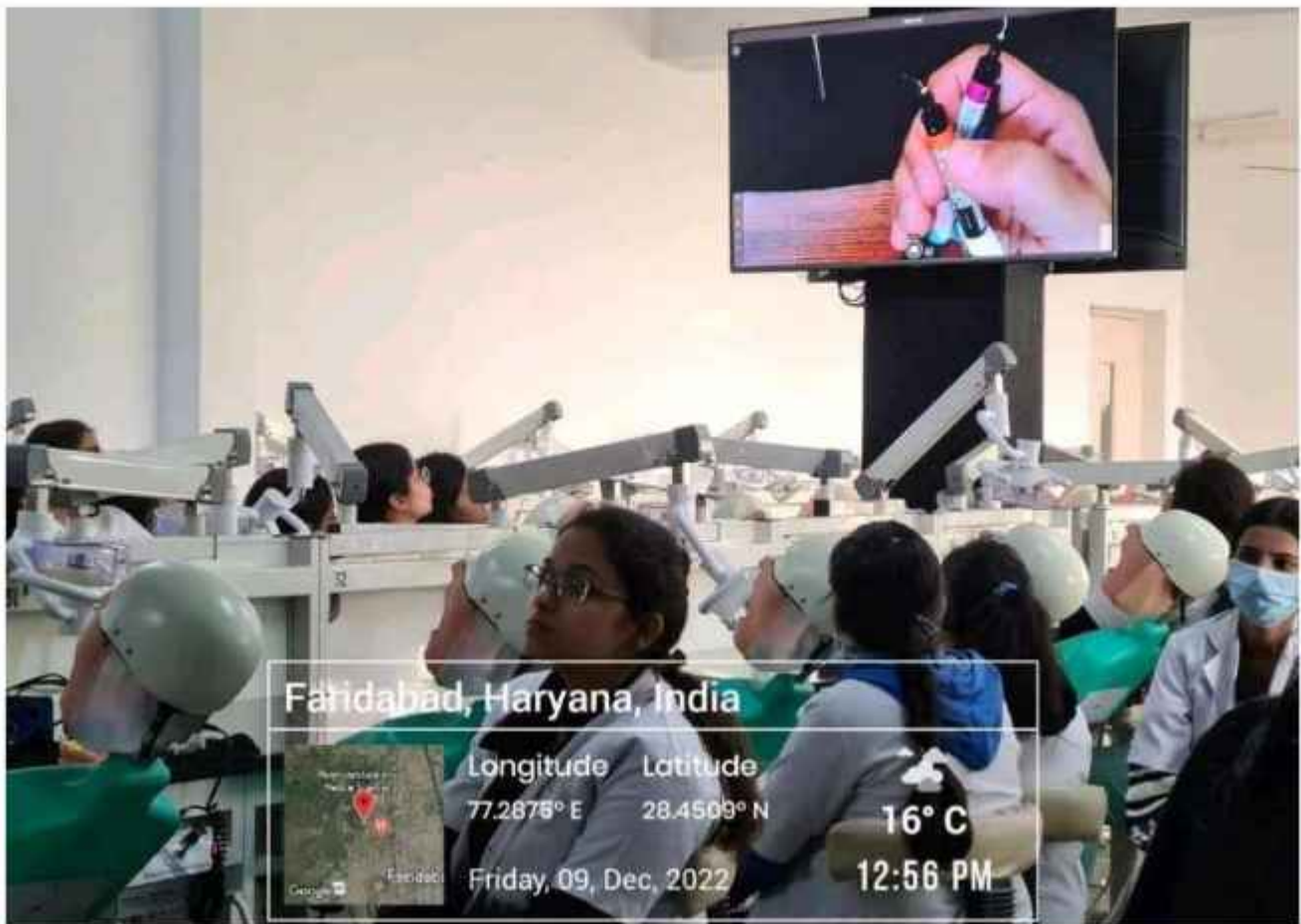


6. **Overview of Thesis Process From Inception to Completion-** conducted by Dept of Conservative Dentistry & Endodontics on 9th November 2022



Dr.R.S.Mohan, Professor, Priyadarshini Dental College Conducting lecture on the topic "U,Me and Composite" on 9thNovember2022

Demonstration on anterior composite restoration by Dr. R.S.Mohan



7. Symposium on Interdisciplinary Management of Small Mandibles – An exemplary learning experience at Manav Rachna Dental College

Manav Rachna Dental College is an institution that believes in expanding the boundaries of knowledge. With the same zest, a symposium on "Interdisciplinary Management of Small Mandibles" was organized by the Department of Orthodontics and Dentofacial Orthopaedics.

Craniofacial anomalies such as cleft lip and palate, Syndromic anomalies, jaw discrepancies affect the overall quality of life of an individual as it weighs down on day-to-day activities like eating, breathing and speech. These anomalies are highly prevalent in India across all Socio-economic groups. A number of organizations such as the 'Smile Train' work tirelessly towards identifying and treating such patients. A multidisciplinary team comprising of an Orthodontist, Oral and Maxillofacial Surgeon and Prosthodontist is necessary to manage these conditions. Thus, this symposium was envisioned as a point of convergence for these specialities in order to enhance the knowledge and skills required for the management of conditions which lead to 'small mandibles'. This was achieved by an exemplary team of key note speakers which included a delegation from Germany.

We were also joined by **Dr. Srinivas Gosla Reddy**, founder of the GSR Institute of Craniofacial Surgery, Hyderabad, India as a key resource person for this Symposium.

We were honoured to have amongst us **Dr. Dibyendu Majumdar**, President Dental Council of India as chief guest for the event, who addressed the gathering and stressed upon the growing importance of dentistry in India and the relevance of such continuing dental education programs. Sir praised the efforts of the organizing team for putting together such a fruitful scientific session.

8. Innovation Summit

Department of Public Health Dentistry and Research & Innovation Catalyst, Manav Rachna Dental College, conducted a first of its kind event, an 'Innovation Summit' centered around innovations, intellectual property, entrepreneurship and start-ups in healthcare. The summit was designed to guide budding doctors about how to bring their ideas from the Bench/lab to the Chairside for the ultimate goal of Patient welfare. The esteemed Chief Guest for the day was Dr. Ritu Duggal, Chief CDER AIIMS, who appreciated the students for receiving grants and awards for Excellence in Research and Innovation. Another Guest of Day was Prof. Chetan Solanki, the solar man of India, who talked about Sustainable development in healthcare. Hon'ble VC of MRIIRS, Dr. Sanjay Srivastava, Former Principal Dr. Arundeeep Singh, Principal Dr. Puneet Batra & Dr. Meena Jain, Prof and HOD Department of Public Health Dentistry & Research and Innovation Catalyst graced the dais along with the exemplary speakers for the event. It was a matter of pride to have more than 200 registrations, with over 18 colleges participating. The summit also invited nominations for Research & Innovation Catalyst Excellence Awards from various Dental Colleges and received over 70 nominations for categories such as Maximum Publications, Securing Extramural Grants, , Maximum papers presented and Maximum Best paper Awards won. We gave out 20 RIC Excellence Awards to the deserving students.

The exemplary stalwarts in field of innovation industry graced the summit as Guest Speakers. Beginning with D Usha Rao, Assistant Controller of Patents and Designs, from the Ministry of Commerce and Industry, Dr. Salaj Rana, Scientist C, ICMR, Dr. Shirshendu Mukherjee, Mission Director, BIRAC. A specifically curated ZING TALK -3 workshop titled "Entrepreneurship & Start up, for dental students by Dr. Vineet Vinay, CEO, Res and Stats of over 4 hours gave food for thought to the delegates for developing competencies to be a successful dental entrepreneur .

Dr. Amit Seth, Director, Manav Rachna NewGen IEDC, took an insightful session on 'Design Thinking'. Dr. Neeraj Kumari, Professor, FET, MRIIRS, with 3 international and 2 national patents took delegates through the step by step procedure in applying for patents. The event also provided the delegates with an opportunity to have a tour of the Incubation Centre and present Innovations in the form of E-Poster Presentations. Eighty three innovative posters were presented. This two-day fruitful journey of this Innovation Summit, the first of its kind by any Dental College in India, has opened the doors to the future for budding doctors.



Social Initiatives:

1. Observance of Doctor's Day in Association with Tender Heart NGO – 1st July 2022

Doctor's day marks an opportunity for doctors to form a connect with the community and cater to their needs. On the occasion of National Doctor's Day, Department of Public Health Dentistry Organised Dental check-up and oral & personal hygiene event in Tender Heart School & NGO.

Total 65 students and staff were screened and given health talk, brushing techniques, diet counselling, education and motivation.



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Faridabad, Haryana, India
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2. Community Camp held at Charmwood, Faridabad – 2nd July 2022

Department of Public Health Dentistry believes in working toward holistic maintenance of health of the community, with this goal in mind a Mega health Check up camp was organized in collaboration with OP Bhalla Foundation and the departments of nutrition and physiotherapy. The program was conducted in Manav Rachna International School Charmwood, Faridabad for the members of the Resident Welfare Associations in that region. The camp was an open for all event and everyone in that area was invited to utilize the services provided.

Total number of beneficiaries of the camp were 200 of which 85 utilized the dental screening service.



3. Screening and Treatment Camp at Place of Safety, Faridabad – 25th and 28th July 2022

Department of Public Health Dentistry, Manav Rachna Dental College, believes in equitable distribution of health services, hence we aim to provide care services to areas and populations where healthcare services are non-existent or extremely hard to come by. There are many such population groups who do not get adequate access to care. One such underprivileged group is that of "Juvenile Delinquents" who are in correctional homes.

With the intention to serve this undeserved community a screening camp organized on 25.07.2022 at Place of Safety, Faridabad, 90 students and 13 staff members were screened and enrolled for treatment scheduled on the next date. Health education, motivation and oral hygiene instructions were given to students and staff of place of safety, Faridabad.

On 28.07.2022 treatment camp organized at the same location. Treatments such as scaling, curettage and restorations were done for 36 students and staff.



मानव रचना डेंटल कॉलेज द्वारा प्लेस ऑफ सेफ्टी फरीदाबाद में लगाया डेंटल चेकअप कैंप

प्रतिनिधि टुडे/संवाददाता

फरीदाबाद। प्लेस ऑफ सेफ्टी फरीदाबाद में मानव रचना डेंटल कॉलेज द्वारा एक दंत जांच एवम चिकित्सा कैंप का आयोजन किया गया। इस कैंप में डॉक्टर अरुणेंद्र सिंह चौहान, डॉक्टर आकांक्षा मोंगा कोहली, डॉक्टर पूजा राघव व उनकी टीम मेंबर ने सभी बच्चों के दांतों की स्क्रीनिंग जांच की। इस दौरान PMJJB Member Gurugram द्वारा कैंप का निरीक्षण



किया गया। इस अवसर पर समाज सेवी सचिन, मास्टर जय प्रकाश,

प्रमोद शर्मा, रमेश, योगेश, आजाद, गोविंद, रामकुमार आदि मौजूद थे।

4. Health and Hygiene talk in Association with UNICEF and Community Radio Association – 28th July 2022

An awareness talk was organised in collaboration with UNICEF and CRA (Community Radio Association) on Covid 19 and hygiene protocol

Dr Sharmistha Goel, Faculty from the Department of Public health Dentistry gave a health talk to the cleaning staff of Manav Rachna highlighting the do's, dont's, symptoms of Covid-19, vaccination and the importance of hygiene. There were nearly 20 class 4 staff who actively participated in the talk.



5. Celebrating Orthodontics Day – 4th August 2022

It is said that 'A Smile is a Curve that sets everything straight'. Good aesthetics is important to boost the confidence of young adults. To apprise the school going children about the importance of good aesthetics and the possibilities of smile correction, on the occasion of Orthodontics Day, the Department of Public Health Dentistry in collaboration with the Department of Orthodontics organised an awareness talk in Manav Rachna International School, sector 14. The students of Class 8 were given awareness about oral hygiene, brushing techniques and the importance of orthodontic treatment and aligners by a specialist. The students were very interactive and wanted to know more about orthodontic treatment. 150 students attended the session.



6. Smile Rally – 5th August 2022

Manav Rachna Dental College is not only on the forefront of providing dental services but also aims to increase awareness. One of the major problems faced by the dental world is that in this highly competitive market, at times treatment options offered by certain companies may not be in the interest of the patients. Direct to Customer aligners which is prevalent in the market these days may not be completely beneficial for the patient. To raise awareness about importance of dental consultations before going for dental aligner treatment we conducted a 'Smile Rally' in and around the Manav Rachna Campus. The rally was conducted in association with the Indian Orthodontic Society.

Faridabad NCR Haryana Hindutan ab tak special

मानव रचना डेंटल कॉलेज और भारतीय ऑर्थोडॉंटिक सोसाइटी ने मिलकर कैंपस में स्माइल रैली निकाली

By Dinesh Bhardwaj - August 6, 2022

180 0



7. COVID 19 Vaccination Camp – 3rd August 2022

The COVID 19 pandemic unleashed a new challenge on the healthcare sector and the environment as a whole. Following the advent of vaccines for COVID 19 Manav Rachna Dental College actively participated in securing the vaccination status of all its staff and students. The vaccination drives for COVID 19 for first and second dose was carried out on 25th & 27th January 2021 and 1st & 5th March 2021 respectively.

Manav Rachna Dental College is bound in principle to the concept of Environmental Sustainability. To mark this, we have regular tree plantation drives in and around our campus on days of national significance such as Independence Day and Republic Day. This year an extensive tree plantation drive was conducted on 17th August 2022. A total of 60 students took active participation in the tree plantation drive along with faculty and planted around 20 trees in and around the college campus.

After the successful completion of three plantation drives within the campus with the new batches, Team MRDC along with Dr. OP Bhalla Foundation and Manav Rachna Centre for Peace and Sustainability gifted around 3000 plants at GMS Sirohi and Teekri Khera, GGSSS NIT 3, GSSS Lakkarpur and Dhauj and Eco Club. The Students also took a Green oath to keep the environment clean and green.





9. Mega Health Camp at & Work Coworking Spaces, Faridabad – 24th August 2022

In our mission to provide holistic healthcare services, a mega health camp was organised for those working at & work Co-working Spaces. Facilities like Dental Screening including Dental X ray on site, Physiotherapy counseling and sessions and Nutritional analysis and diet counseling were provided. Health education was also given. The camp targeted the class 4 workers of the organization as they are the most deprived of access to such services.





10. Blood Donation Drive – On occasion of Remembrance Day – 16th September 2022

Manav Rachna Dental College along with Manav Rachna International Institutions for Research and Studies conducts Blood Donation Drives on a yearly basis in collaboration with the Rotract Club of Faridabad. This year the same was held on 16th September 2022 on the occasion of the Remembrance Day of our Founder Visionary Dr. OP Bhalla.

More than 1000 units of blood were collected on that day, of which Manav Rachna Dental College Faculty and Students contributed about 60 units.





11. Dental Screening at Manav Rachna International Schools – September 2022 – December 2022

Oral health is extremely important in the growing years of a child. The World Health Organization States that approximately 300 School hours are lost every year due to pain and discomfort due to oral problems. To minimize this, it is essential that children undergo regular dental screening in order to identify the problem early. Manav Rachna Dental College has been conducting regular Dental Screening Camps at Manav Rachna International Schools every year. This year these camps were conducted from September 2022 till November 2022 in three schools:

- MRIS – Sector 14 Faridabad – No. Children Screened 3415
- MRIS – Charmwood, Faridabad – No. of Children Screened 2472
- MRIS Gurgaon – No. of Children Screened 2934

https://www.facebook.com/MRISFaridabadSector14/videos/1078888756151730/?extid=WA-UNK-UNK-UNK-AN_GK0T-GK1C





GPS Map Camera



Google

Gurugram, Haryana, India
A-2689, Sector 46, Gurugram, Haryana 122001, India
Lat 28.437523°
Long 77.060711°
07/11/22 11:17 AM GMT +05:30



GPS Map Camera



Google

Faridabad, Haryana, India
JUNIOR WING, MANAV RACHNA INTERNATIONAL
SCHOOL-2, Sector 14, Faridabad, Haryana 121006, India
Lat 28.399528°
Long 77.331441°
30/09/22 09:45 AM GMT +05:30

12. Multi- Speciality Camp, Ghazipur – 16th October 2022

Manav Rachna Dental College organised a mega health camp at A.P Senior secondary school Nagla Ghazipur in collaboration with **National Association for Blind** and Keval Prem eye hospital. Dental and eye screening was done along with medicine distribution.

A total of 80 patients benefited from this service. Patients with positive dental findings were referred to Manav Rachna Dental College for subsidized dental treatment.



13. Manav Rachna – Tobacco Control Initiatives in Industries in Faridabad – 17th and 21st September 2022

Faridabad is the most industrialized city in the State of Haryana. There are about 15,000 small, medium and large industries in this area providing direct and indirect employment to nearly half a million people. It is ranked ninth amongst the largest industrial estates in Asia. The industrial area in Faridabad is spread across multiple sectors. Industrial Workers form a vulnerable population group which is more likely to indulge in the tobacco habit. They have long working hours and more often than not poor working conditions. This amounts to lack of time to devote to dental care. Indirect costs of seeking dental care such as time taken off work to address its problems also proves to be a deterrent. Thus, to cater to this under served community Manav Rachna Dental College began conducting Dental Screening Camps in industrial areas particularly aimed at identifying tobacco users and counselling them to quit tobacco. Two inaugural camps were conducted in this program at **Hind Hydraulics and Shaivai Enterprises in Faridabad.**

- i. **Hind Hydraulics:** Camp was organised on 17/09/2022, total no. of patients screened were 73, number of tobacco users found were 26. Tobacco Cessation Counselling done for all. No. of pre-cancerous lesions found were 4. Health education talk was also given at the camp.
- ii. **Shivai Enterprises:** Camp was organised on 21/09/2022, total no. of patients screened were 53, number of tobacco users found were 19. Tobacco Cessation Counselling done for all. No. of pre-cancerous lesions found were 3. Health education talk was also given at the camp.





14. Mega Health Check up Camps – 18th September 2022

Manav Rachna Dental College regularly conducts Mega Health Check up Camps in Association with various NGOs and other hospitals. Such camps are multidisciplinary in nature with eye check-up, Blood Pressure and Blood Sugar monitoring, general physician consultation along with Dental screening.

Two such Mega Screening camps were conducted on 18th September at Hirapur and Parvatiya Colony in collaboration with **Manavta Hospital and Youth leader Sumesh Gaur**. More than 200 patients were screened in this camp.





15. Dental Screening Camp in Association with Sri Satya Sai Seva Sansthaan – 5th November 2022

Manav Rachna Dental College conducted a Dental Screening Camp in Sadpura Village in association with Sri Satya Sai Seva Sansthaan. Patients were specifically screened for receiving dental implant treatment free of cost under a Special Program.

Total 54 patients were screened in this camp and 10 patients were identified for the **Free Dental Implants Program**.





16. Mega Health Camp at Sanjay Colony, NIT in Association with Chetna Welfare Society – 6th November 2022

A mega health camp was organised by Manav Rachna Dental College in Association with Chetna Welfare Society. This was a combined Dental and Eye Check up Camp where the beneficiaries received free dental check up along with distribution of medicines, free eye check up and free distribution of spectacles to those who needed it.

All patients were counselled for dental treatment and extensive information was provided to them for further steps in seeking dental treatment. The camp was attended by President and General Secretary of Chetna Welfare Society.

Further outreach programs were also planned with them especially for their institutionalized differently abled children.

A total of 74 patients were screened in the camp.



17.Launch of 'Faridabad Schools Dant Suraksha Abhiyan' – District School Oral Health Program – 14th November 2022

The Manav Rachna Dental College has **collaborated with District Education Department, Faridabad** to uplift the oral health of school going children. In the wake of this we are proud to launch "Faridabad Schools Dant Suraksha Abhiyan" which is a school-based program with education, prevention and treatment components. It is projected to function through school-based activities, centre-based activities, mobile preventive teams, health education program and teacher training program. This program has been launched with the vision of "Holistic upliftment of oral health underserved school children" and with a mission "To implement a comprehensive a comprehensive School Oral Health Program to achieve sound dental health, prevent tobacco use and sensitize all stakeholders for the upliftment of oral health of school children."

On the occasion of Children's Day the Department of Public Health Dentistry, Manav Rachna Dental College held the inaugural screening camp for this program. The school selected for the inauguration was Government Senior Secondary School, Sector 28 Faridabad. The occasion was graced by the presence of our Principal Dr. Arundeeep Singh, Block Education officer, Faridabad, Dr. Manoj Mittal, Dr. Manjula, in charge of the School and Dr. Meena Jain, HOD, Department of Public Health Dentistry. Our principal Dr. Arundeeep Sir addressed the school children and highlighted the importance of oral health and how raising awareness for oral health goes a long way in preventing oral diseases. Dr. Manoj Mittal, BEO also addressed the gathering and highlighted the salient features of our school health program and encouraged the school children and teachers to actively utilize this opportunity.

The team comprised of Dr. Roomani Srivastava and Dr. Adeeba Saleem. A total of 129 children were examined in the inaugural camp today. Basic dental treatment will be given to the school children free of cost. After consent from parents, children will be treated in Manav Rachna Dental College in batches.

Through this program we want to achieve sound oral health for each and every school going child of Faridabad District.

The screening for the first school, Government Senior Secondary School, Sector 28 was completed over 15 days. A total of 840 children were screened out of which so far 363 children have visited MRDC for treatment.





मानव रचना डेंटल कॉलेज ने डिस्ट्रिट स्कूल ओरल हेल्थ प्रोग्राम लॉन्च किया

एनसीआर क्राइम न्यूज
(अनुराग शर्मा)

• एमआरडीसी ने स्कूल जाने वाले बच्चों के मौखिक स्वास्थ्य के लिए जिला शिक्षा विभाग, फरीदाबाद के सहयोग से डिस्ट्रिट स्कूल ओरल हेल्थ प्रोग्राम लॉन्च किया

• इस कार्यक्रम के तहत बच्चों को बुनियादी दंत चिकित्सा मुफ्त में प्रदान की जाएगी

सुरुवार : मानव रचना डेंटल कॉलेज ने स्कूल जाने वाले बच्चों के मौखिक स्वास्थ्य के लिए जिला शिक्षा विभाग, फरीदाबाद के साथ सहयोग किया है। इसे ध्यान में रखते हुए, कॉलेज ने हाल ही में "फरीदाबाद स्कूल दंत सुरक्षा अभियान" लॉन्च किया। एक कार्यक्रम -अयोग्य स्कूलों बच्चों के लिए मौखिक स्वास्थ्य के समग्र उत्थान को दृष्टि से शुरू किया गया है जिसका उद्देश्य मजबूत दंत स्वास्थ्य प्राप्त करने के लिए एक



अभियान" लॉन्च किया। एक कार्यक्रम -अयोग्य स्कूलों बच्चों के लिए मौखिक स्वास्थ्य के समग्र उत्थान" को दृष्टि से शुरू किया गया है जिसका उद्देश्य मजबूत दंत स्वास्थ्य प्राप्त करने के लिए एक

स्वास्थ्य स्कूल ओरल हेल्थ प्रोग्राम को लागू करना, तम्बाकू के उपयोग को रोकना और जिला फरीदाबाद के सभी स्कूलों बच्चों के मौखिक स्वास्थ्य में सुधार के लिए सभी हितधारकों को संवेदनशील बनाना

है। डॉ. अरुणदीप सिंह ने स्कूलों बच्चों को संबोधित किया और "मौखिक स्वास्थ्य के महत्व और मौखिक स्वास्थ्य से सम्बंधित जागरूकता बढ़ाने से कैसे मौखिक रोगों को रोकने में सहायता मिलती है और इस क्षेत्र में एक लंबा रास्ता तय किया जा सकता है- पर प्रकाश डाला। डॉ. मनोज मिश्र, बीईओ ने स्कूल स्वास्थ्य कार्यक्रम को मुख्य विशेषताओं पर जोर दिया और छात्रों और शिक्षकों को इस अवसर का सक्रिय रूप से उपयोग करने के लिए प्रोत्साहित किया। ओरल हेल्थ प्रोग्राम टीम में डॉ. मीना जैन, डॉ. रुमानी श्रीवास्तव, डॉ. अदीबा मल्लोम और कॉलेज के 10 इंटरन शामिल थे। उद्घाटन शिबिर में कुल 129 बच्चों का स्वास्थ्य परीक्षण किया गया। स्कूलों बच्चों को बुनियादी दंत चिकित्सा मुफ्त में

प्रदान की जाएगी। अभियानकों को सफलता के बाद मानव रचना डेंटल कॉलेज में वैच में बच्चों का इलाज किया जाएगा। इस कार्यक्रम के माध्यम से, फरीदाबाद जिले का प्रत्येक स्कूल जाने वाला छात्र स्वस्थ मौखिक स्वास्थ्य प्राप्त करेगा। श्रीमति स्वीगिता शर्मा, डायरेक्टर एग्रेसर्स श्री सरकार ललवार, डॉ. ज्योति भद्रा फाउंडेशन व फरीदाबाद नवोत्थान ट्रस्ट के एडवाइजर डॉ. टीपती चौधरी, एमआरडीईएस सेक्टर 21 सी की प्रिंसिपल श्रीमति सीमा पाण्डेरा, एमआरडीईई के रजिस्ट्रार चिगेडियर विजय आनंद व मानव रचना इंटरनेशनल यूनिवर्सिटी के प्रो वाइस चांसलर डॉ. एमके सोनी आदि मौजूद रहे।

Manav Rachna Dental College Launches District School Oral Health Program in association with District Education Department, FBD

TIT Correspondent
info@impressiveimes.com

FARIDABAD : Manav Rachna Dental College has collaborated with District Education Department, Faridabad to uplift school-going children's oral health. In the wake of this, MRDC has launched "Faridabad Schools Dant Suraksha Abhiyan" recently. The program has been launched with a vision of "Holistic upliftment of oral health for underserved school children" and with an aim to implement a comprehensive School Oral Health Program to achieve sound dental health, prevent tobacco use and sen-



sitize all stakeholders for the improvement of oral health of all school children of district Faridabad. The Department of Public Health Dentistry, Manav Rachna Dental

College hosted the inaugural screening camp under this programme at the Government Senior Secondary School, Sector 28, Faridabad. The occasion was graced by Dr.

Arundeeep Singh, Principal, MRDC; Dr. Manoj Mittal, Block Education officer, Faridabad; and Dr. Manjula, In-Charge of the School. Dr. Arundeeep Singh addressed the

DR. ARUNDEEP SINGH ADDRESSED THE SCHOOL CHILDREN AND HIGHLIGHTED THE IMPORTANCE OF ORAL HEALTH AND HOW SPREADING AWARENESS GOES A LONG WAY IN PREVENTING ORAL DISEASES. DR. MANOJ MITTAL, BEO SHARED THE SALIENT FEATURES OF SCHOOL HEALTH PROGRAMME, AND ENCOURAGED THE STUDENTS AND TEACHERS TO UTILIZE THIS OPPORTUNITY ACTIVELY. THE ORAL HEALTH PROGRAM TEAM COMPRISED DR. MEENA JAIN, DR. ROOMANI SRIVASTAVA, DR. ADEEBA SALEEM, AND 10 INTERNS.

school children and highlighted the importance of oral health and how spreading awareness goes a long way in preventing oral diseases. Dr. Manoj Mittal, BEO shared the salient features of School Health Programme, and encouraged the students and teachers to utilize this opportunity actively. The Oral Health Program team comprised Dr. Meena Jain, Dr. Roomani Srivastava,

Dr. Adeeba Saleem, and 10 interns. A total of 129 children were examined in the inaugural camp. Basic dental treatment will be provided free of cost to the school children. These children will be treated at the OPD in Manav Rachna Dental College in batches. This programme aims to ensure that each school-going child of the Faridabad District achieves sound oral health.

18. Consultancy Camp with SHARP NGO:

Department of Public Health Dentistry collaborated with SHARP NGO for Consultancy Treatment Camps in two Government Schools in Gurgaon that is Gwal Pahari Village and Tigra Village on 17th and 18th March 2023 respectively. The team consisted of PGs Interns and Attendants from the department and was lead by Dr. Roomani Srivastava. Nearly 250 children were screened at both the camps out of which 83 children were treated. Forty one children were treated for fillings, thirty two Scaling procedures were done and ten extractions were done. Payment for the treatment camps were done for the same by SHARP NGO by NEFT Transfer on 20th March 2023 and they were subsequently provided the receipt for payment.



Picture 1 Treatment Camp at Tigra



Picture 2 Atraumatic Restoration Treatment at Camp at Tigra



Picture 3 Team Manav Rachna and Team SHARP

19. Sensitization and Oral Health Education of Housekeeping and Class 4 staff of university

On World oral health day 2023, the Department of Public Health Dentistry, Manav Rachna Dental College conducted an oral health promotion and sensitisation program for the technical and support staff of MREI. It was an endeavour to apprise them about common oral problems and their solutions. The talk also aimed to inform them about various facilities available to them at MRDC.

The talk was delivered by Dr. Roomani Srivastava, senior lecturer, Department of Public health dentistry. The session ended with a dental quiz for the audience and prizes were given out to those who answered the questions. The event ended with refreshments for all the support staff. Free scaling and Fillings were done for the attendees in the department.



Figure 1 Awards given to staff



Figure 2 Oral health talk given to technical staff



Figure 3 Oral health talk given to technical staff

20. Continuing Education Program for Nurses "Nursing Hands in Oral Care"

On the occasion of World Oral Health Day 2023, the Department of Public Health Dentistry, Manav Rachna Dental College conducted a Continuing Education Program for Nursing Students titled "Nursing Hands in Oral Care" in collaboration with SOS Nursing School, Anangpur.

The talk covered the importance of nurses in maintaining oral hygiene of patients on long term therapies, or those in Palliative Care and those who are admitted in hospitals for long spells of time. The students were apprised about their crucial role in identifying, preventing and managing oral health conditions that can affect over all well being of patients under long term care. The talk was interactive and well received by students.

The event was conducted under the aegis of Dr Meena Jain, HOD, Department of Public Health Dentistry and was appreciated by the Principal of the Nursing college Ms. Kumkum Ghosh.

The talk was delivered by Dr. Roomani Srivastava, Senior Lecturer, Department of Public Health Dentistry.



Figure 1 A photograph with the nursing staff



Figure 2 Health talk being delivered by Dr Meena Jain

21. Outreach Program for Mentally Challenged Children in association with Chetna Welfare Society

In line with the activities to commemorate World Oral Health Day 2023, The Department of Public Health Dentistry Manav Rachna Dental College conducted an Oral Health outreach Program for Children with Special Needs in Association with Chetna Welfare Society. Sixty nine patients were screened which included parents of these children. Oral Health Education was given and parents were sensitized towards special oral care needs of their children. Oral hygiene kits were also distributed to the children.



Team MRDC with Chetna Welfare Society teamograph with the nursing staff



Acclimatization of Children with Special Needs to Dental Settings



Oral Examination

22. Tooth brushing Drill at Govt School

Department of Public Health Dentistry, Manav Rachna Dental College in an effort to inculcate positive oral hygiene habits among school going children, conducted a toothbrushing Drill conducted which was a fun way for children to learn the ideal way of brushing their teeth.



Demonstration of Fone's Technique of Brushing



Tooth Brushing Drill

23. Outreach Program for Visually Challenged

The Department of Public Health Dentistry, Manav Rachna Dental College, Faculty of Dental Sciences, MRIIRS in continuation with World Oral Health 2023-month long celebration activities conducted a dental check-up and health education camp on 3rd April, 2023 (Monday) at National association for the Blind, Faridabad. The occasion of the Mega camp was the Birth Anniversary of our Founder visionary Dr. OP BHALLA SIR.

The team leader was Dr. Adeeba Saleem (Faculty, Public Health Dentistry) along with 8 interns and two CSA. Dental checkup and treatment needs are assessed for 41 visually impaired people and a treatment camp is planned next month.

From NAB, the whole collaboration was organised by Mr. AJIT PATWA, President NAB and great social activist.



Oral Examination



Faridabad Division, Haryana, India



Longitude Latitude
 77.2988° E 28.3974° N

25° C

Monday, 03, Apr, 2023

11:36 AM



Faridabad Division, Haryana, India



Longitude Latitude
 77.2988° E 28.3974° N

25° C

Monday, 03, Apr, 2023

11:36 AM

24. Free Denture Delivery Camp for Underprivileged Population

The Department of Prosthodontics in Collaboration with the Department of Public Health Dentistry is conducting a Free Denture Delivery Camp for underprivileged population where 55 dentures will be delivered. The Program started on 10th April 2023 and will be culminated on 4th May 2023 with Free denture delivery along with a denture maintenance kit worth Rs. 600/- each. The beneficiaries of this program have been supported in the form of providing other basic treatment required for preparing them for receiving the denture also free of cost. Patients are also supported in terms of providing transport to the hospital for their treatment.

25. Outreach Program for at Juvenile Justice Home:

A Dental Health camp was organized. Patients were provided with dental consultations, health education, dental screening, dental treatment and tobacco cessation counseling. A Dental screening and treatment camp was conducted at Juvenile Remand Home, NIT 5, Faridabad.

A total of 213 patients (75 & 138 patients on 5th and 8th may respectively) were screened, among which 34 patients (22 & 12 patients on 5th and 8th may respectively) were treated and Health education on tobacco cessation was provided to all.

The team included, **5th May:** -Dr. Adeeba Saleem, 2 PGs, 7 interns and 1 attender, **8th May:** - Dr. Roomani Srivastava, 6 interns, 1 attender and 1 technician.

26. Manav Rachna Dental College commemorated World No Tobacco Day

Department of Public Health Dentistry, Manav Rachna Dental College since its inception has been observing this day by conducting rallies and awareness programs and a number of myriad events as it's the duty of Health Facilities like ours to promote Tobacco Free environments. The two entities driving the efforts of GOI against Tobacco are the Cigarettes and Other Tobacco Products Act (COTPA) and the Framework Convention for Tobacco Control to which India is a Signatory. Both these provisions are working synergistically to implement legislations and guidelines to reduce and control tobacco use. The Department of Public Health Dentistry lead by **Dr. Meena Jain** held a drive titled "Tobacco Free ManavRachna " where in an initiative was taken to implement Section 4 and 6 of the Cigarettes and Other Tobacco Products Act. **A drive was conducted for installing public notices and sign boards highlighting Section 4 and 6 of COTPA across the MREI campus. Dr. Sanjay Srivastava**, Hon'ble Vice Chancellor, MRIIRS took up this cause from his office and also symbolically unveiled one of the signboards at Manav Rachna Dental College. The principal **Dr. Puneet Batra** addressed the gathering regarding the ill effects of tobacco and various activities conducted to combat them. The occasion was graced by senior functionaries of Manav Rachna, Dr. NCWadhwa, Director General, MREI; Lt. General (Dr.) R K Anand, Director General, MRIIRS; Brig. Vijay Kumar Anand, Registrar MREI; Mr. Sarkar Talwar, Director – Sports; Dr. Gurjeet Kaur Chawla, Dean, DSW and Dr. Neeraj Kumari, Deputy Director-Research. A Nukkad Natak on the cause of Tobacco Control engaged the audience well and created much required awareness. Also, an awareness talk on Tobacco Control on relayed live at Radio ManavRachna 107.8 on 31st May 2023. On 29th May 2023. ManavRachna as one of the largest Private Universities in Delhi NCR has effectively shown its commitment towards Tobacco Control on this occasion of World No Tobacco Day.





CHAPTER-4 ACADEMIC CALENDAR

Manav Rachna International Institute of Research & Studies (Deemed to be University)
Academic Calendar: 2022-23

Academic Calendar for the first year (July-December2022)				
S. No.	Activity	From	To	Responsibility
	Orientation/Induction Plan	16-08-2022	10/9/2022	
	Bridge Courses for the first year cou	12/9/2022	16-09-2022	
1	Start of Session	19-09-2022		
2	Submission of list of Mentors and Mentees to Asso. Dean Acad.	12/9/2022		Respective HoD
3	Academic Planning			
3.1	Preparation and submission of Teaching Load to Asso. Dean Acad. For approval by Dean Academics	24-06-2022		Dean's Office/ HoDs
3.2	Preparation of the Time Table	15-07-2022		Dept. Time Table Incharge
3.3	Uploading of the Time Table and Teaching plan on EMS with information about Mode of Delivery by faculty members/ teachers	9/9/2022	12/9/2022	Dept. EMS coordinators
4	Course Registration			
4.1	Course Registration on EMS by students.	13-09-2022	15-09-2022	Students under supervision of respective mentors
4.2	Approval of courses registered by students on EMS	15-09-2022	17-09-2022	Respective HoD/Center Heads
5	Conduct of Classes, Feedback and Evaluation			
5.1	Classes (Monday to Friday) with continuous Class Assessment	19-09-2022	18-11-2022	Respective teachers under regular monitoring of HoDs/ Deans
5.2	First Sessional Tests	19-11-2022	25-11-2022	Respective HoDs in consultation with Deans and CoE
5.3	Course Delivery /Faculty feedback -1(Turn1) to be given by students	19-11-2022	25-11-2022	Dept. EMS coordinators
5.4	Date sheet/Schedule of the first sessionals to be notified by respective departments on or before	7/11/2022		Respective Dean's Office, in consultation with CoE

5.6	Classes (Monday to Friday) with continuous Class Assessment	28-11-2022	30-12-2022	Respective Faculty members
5.7	Second Sessional Tests	31-12-2022	6/1/2023	Respective HoDs in consultation with Deans and CoE
5.8	Course/Faculty Feedback 2 (TURN 2) - To be given by students	31-12-2022	6/1/2023	Dept. EMS coordinators
5.9	Date sheet/Schedule of second sessionals to be notified by respective departments on or before	22-12-2022		Respective Dean's Office, in consultation with CoE
5.1	Completion of Evaluation and posting of awards on EMS	9/1/2023	11/1/2023	Respective Faculty members
5.11	Classes with Revision and Doubt Clearing Sessions	9/1/2023	11/1/2023	Respective Faculty members
5.12	End of Semester Classes	11/1/2023		
6	Deposit of Installment of Fee for AY 2022-23 upto	15-11-2022		Individual Student
7	End Semester Examination its Preparation, Course Exit and Curriculum Feedback			
7.1	List of Eligible Students on the basis of required min. attendance on or before	13-01-2023		Academic Office
7.2	Submission of Complete Continuous Assessment/Internal Marks to CoE on or before	16-01-2023		HoD/Faculty
7.3	Course Exit Feedback for CO Attainment, feedback on Curricula and Generic Facilities and SSS - To be given by Students Feedback on Curricula - To be given by Faculty members	21-01-2023	28-01-2023	Respective Department EMS Coordinator under the supervision of HoD
7.4	End Semester Practical Examination	16-01-2023	20-01-2023	
7.5	Date sheet/Schedule for practical exams to be notified by respective departments on or before	2/1/2023		HoD in consultation with Dean and CoE
7.6	Submission of awards of final practicals to CoE on or before	31-01-2023		Department practical Exams coordinator
7.7	Submission of internal evaluation for Open Electives/Value Added courses to central MOOC Coordinator	31-01-2023		Dept. Mooc Coordinator

7.8	End Semester Theory Examination	27-01-2023	11/2/2023	COE
7.9	Date sheet/Schedule to be notified by CoE on or before	10/1/2023		COE
7.1	Completion of Evaluation and submission of marks to CoE on or before	15-02-2023		Respective Supdt. Evaluation
7.11	Showing of Answer Sheets of End Semester Examination	17-02-2023	18-02-2023	Respective HoDs and their team
8	Results and submission of outcome-reports of the semester			
8.1	Results Declaration of semesters examination on or before	28-02-2023		CoE
8.2	Submission of detailed reports of Value Added Courses conducted to IQAC on before	2/3/2023		HoDs/ Deans
8.3	Submission of COMPLETE Course Files(with course Outcome attainment computation and analysis), to respective HoD and recommendations of DAC w.r.t. Course Outcome analysis report from HoD to office of IQAC.	3/3/2023	4/3/2023	Course Coordinators
8.4	Submission of Mentor-Mentee Files (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners to respective HoD	6/3/2023	7/3/2023	Faculty Mentor
8.5	Submission of Mentorship report (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners by respective HoDs to IQAC.	7/3/2023		Respective HoD/Center Heads
9	Start of next Semester	20-02-2023		
9.1	Notification of Academic Calendar for next Semester	2/2/2023		Assoc. Dean Academics

Academic Calendar for the 3rd Semester FET Only(July-December2022)				
S.No.	Activity	First Semester		Responsibility
		From	To	
	Orientation Program	08-80-2022	8/8/2022	
1	Start of Session	8/8/2022		
	Pre Semester preparation work			
2	Result Analysis of previous semester	1/7/2022	5/7/2022	Respective HoD
2.1	Course wise result analysis report and its ATR to IQAC	6/7/2022		Respective HoD
2.2	Notification of Advanced and Slow learners alongwith schedule of activities planned including remedial classes for slow learners	7/7/2022		Respective HoD
3	Identification and Approval of Open/Interdisciplinary Electives and value-added courses			
3.1	Submission of list of Open Electives/ Value Added Course, syllabus and Faculty-incharge with central MOOC Coordinator	1/7/2022		Dept. Mooc Coordinator
3.2	Approval of Open Electives / Value Added Courses with syllabus and faculty in-charges by Dean Academics latest by	4/7/2022		Central MOOC Coordinator
4	Submission of updated list of Mentors and Mentees to Asso. Dean Acad.	5/7/2022		Respective HoD
5	Perspective plan/ Activity Calendar of the Departments and Centers/Sections of University (To be Shared with Assoc. Dean Academics) latest by	30-06-2022		Respective HoD/Center Heads
5.1	Notification of University Central Activity Calendar for the semester by Dean Academics after approval from VC on or before	4/7/2022		Director IQAC / Assoc. Dean Academics
6	Academic Planning			
6.1	Preparation and submission of Teaching Load to Asso. Dean Acad. For approval by Dean Academics	22-06-2022		Dean's Office/ HoDs
6.2	Preparation of the Time Table	15-07-2022		Dept. Time Table Incharge

6.3	Mentor-Mentee sessions: Sharing of information about the coming session, courses and conduct of	6/8/2022		
6.4	Uploading of the Time Table and Teaching plan on EMS with information about Mode of Delivery by faculty members/ teachers	21-07-2022	22-07-2022	Dept. EMS coordinators
7	Course Registration			
7.1	Course Registration on EMS by students.	22-07-2022	30-07-2022	Students under supervision of respective mentors
7.2	Approval of courses registered by students on EMS	1/8/2022	5/8/2022	Respective HoD/Center Heads
8	Conduct of Classes, Feedback and Evaluation			
	Semester Orientation			
8.1	Classes (Monday to Friday) with continuous Class Assessment	8/8/2022	30-09-2022	Respective teachers under regular monitoring of HoDs/ Deans
8.2	First Sessional Tests	1/10/2022	7/10/2022	Respective HoDs in consultation with Deans and CoE
8.3	Course Delivery /Faculty feedback - 1(Turn1) to be given by students	1/10/2022	7/10/2022	Dept. EMS coordinators
8.4	Date sheet/Schedule of the first sessionals to be notified by respective departments on or before	23-09-2022		Respective Dean's Office, in consultation with CoE
8.5	Completion of Evaluation of first sessionals and posting of awards on EMS	7/10/2022	11/10/2022	Respective Faculty members
8.6	Classes (Monday to Friday) with continuous Class Assessment	10/10/2022	18-11-2022	Respective Faculty members
8.7	Second Sessional Tests	21-11-2022	25-11-2022	Respective HoDs in consultation with Deans and CoE
8.8	Course/Faculty Feedback 2 (TURN 2) - To be given by students	21-11-2022	25-11-2022	Dept. EMS coordinators
8.9	Date sheet/Schedule of second sessionals to be notified by respective departments on or before	14-11-2022		Respective Dean's Office, in consultation with CoE
8.1	Completion of Evaluation and posting of awards on EMS	25-11-2022	29-11-2022	Respective Faculty members

8.11	Classes with Revision and Doubt Clearing Sessions	28-11-2022	30-11-2022	Respective Faculty members
8.12	End of Semester Classes	30-11-2022		
9	Deposit of Installment of Fee for AY 2022-23 upto	15-11-2022		Individual Student
10	End Semester Examination its Preparation, Course Exit and Curriculum Feedback			
10.1	List of Eligible Students on the basis of required min. attendance on or before	2/12/2022		Registrar's Office
10.2	Submission of Complete Continuous Assessment/Internal Marks to CoE on or before	2/12/2022		HoD/Faculty
10.3	Course Exit Feedback for CO Attainment, feedback on Curricula and Generic Facilities and SSS - To be given by Students () Feedback on Curricula - To be given by Faculty members	3/12/2022	7/12/2022	Respective Department EMS Coordinator under the supervision of HoD
10.4	End Semester Practical Examination	3/12/2022	7/12/2022	
10.5	Date sheet/Schedule for practical exams to be notified by respective departments on or before	25-11-2022		HoD in consultation with Dean and CoE
10.6	Submission of awards of final practicals to CoE on or before	13-12-2022		Department practical Exams coordinator
10.7	Submission of internal evaluation for Open Electives/Value Added courses to central MOOC Coordinator	13-12-2022		Dept. Mooc Coordinator
10.8	Submission of continous Assesment / Internal Awards to CoE on or Before	14-12-2022		Respective HoDs in consultation with Dean
10.9	End Semester Theory Examination	12/12/2022	30-12-2022	COE
10.1	Date sheet/Schedule to be notified by CoE on or before	21-11-2022		COE
10.11	Completion of Evaluation and submission of marks to CoE on or before	4/1/2023		Respective Supdt. Evaluation
10.12	Showing of Answer Sheets of End Semester Examinaion	6/1/2023	7/1/2023	Respective HoDs and their team

11	Results and submission of outcome-reports of the semester			
11.1	Results Declaration of semesters examination on or before	10/1/2023		CoE
11.2	Submission of detailed reports of Value Added Courses conducted to IQAC on before	13-01-2023		HoDs/ Deans
11.3	Submission of COMPLETE Course Files(with course Outcome attainment computation and analysis), to respective HoD and recommendations of DAC w.r.t. Course Outcome analysis report from HoD to office of IQAC.	17-01-2023	18-01-2023	Course Coordinators
11.4	Submission of Mentor-Mentee Files (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners to respective HoD	17-01-2023	18-01-2023	Faculty Mentor
11.5	Submission of Mentorship report (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners by respective HoDs to IQAC	20-01-2023		Respective HoD/Center Heads
12	Start of next Semester	9/1/2023		
12.1	Notification of Academic Calendar for next Semester	15-12-2022		Assoc. Dean Academics

Academic Calendar for the Third Semester(Non FET) (July-December2022)				
		3rd Sem Non-FET		
S.No.	Activity	From	To	Responsibility
1	Start of Session	1/8/2022		
	Pre Semester preparation work			
2	Result Analysis of previous semester	1/7/2022	5/7/2022	Respective HoD
2.1	Course wise result analysis report and its ATR to IQAC	6/7/2022		Respective HoD
2.2	Notification of Advanced and Slow learners alongwith schedule of activities planned including remedial classes for slow learners	7/7/2022		Respective HoD
3	Identification and Approval of Open/Interdisciplinary Electives and value-added courses			
3.1	Submission of list of Open Electives/ Value Added Course, syllabus and Faculty-in-charge with central MOOC Coordinator	1/7/2022		Dept. Mooc Coordinator
3.2	Approval of Open Electives / Value Added Courses with syllabus and faculty in-charges by Dean Academics latest by	4/7/2022		Central MOOC Coordinator

4	Submission of updated list of Mentors and Mentees to Asso. Dean Acad.	5/7/2022		Respective HoD
5	Perspective plan/ Activity Calendar of the Departments and Centers/Sections of University (To be Shared with Assoc. Dean Academics) latest by	30-06-2022		Respective HoD/Center Heads
5.1	Notification of University Central Activity Calendar for the semester by Dean Academics after approval from VC on or before	4/7/2022		Assoc. Dean Academics
6	Academic Planning			
6.1	Preparation and submission of Teaching Load to Asso. Dean Acad. For approval by Dean Academics	22-06-2022		Dean's Office/ HoDs
6.2	Preparation of the Time Table	15-07-2022		Dept. Time Table Incharge
6.3	Mentor-Mentee sessions: Sharing of information about the coming session, courses and conduct of	6/8/2022		Respective Mentors
6.4	Uploading of the Time Table and Teaching plan on EMS with information about Mode of Delivery by faculty members/ teachers	21-07-2022	22-07-2022	Dept. EMS coordinators
7	Course Registration			
7.1	Course Registration on EMS by students.	22-07-2022	30-07-2022	Students under supervision of respective mentors
7.2	Approval of courses registered by students on EMS	1/8/2022	5/8/2022	Respective HoD/Center Heads
8	Conduct of Classes, Feedback and Evaluation			
	Semester Orientation			Respective HoDs/Center Heads
8.1	Classes (Monday to Friday) with continuous Class Assessment	8/8/2022	30-09-2022	Respective teachers under regular monitoring of HoDs/ Deans
8.2	First Sessional Tests	1/10/2022	7/10/2022	Respective HoDs in consultation with Deans and CoE
8.3	Course Delivery /Faculty feedback -1(Turn1) to be given by students	1/10/2022	7/10/2022	Dept. EMS coordinators
8.4	Date sheet/Schedule of the first sessionals to be notified by respective departments on or before	23-09-2022		Respective Dean's Office, in consultation with CoE
8.5	Completion of Evaluation of first sessionals and posting of awards on EMS	7/10/2022	11/10/2022	Respective Faculty members
8.6	Classes (Monday to Friday) with continuous Class Assessment	10/10/2022	18-11-2022	Respective Faculty members
8.7	Second Sessional Tests	21-11-2022	25-11-2022	Respective HoDs in consultation with Deans and CoE
8.8	Course/Faculty Feedback 2 (TURN 2) - To be given by students	21-11-2022	25-11-2022	Dept. EMS coordinators
8.9	Date sheet/Schedule of second sessionals to be notified by respective departments on or before	14-11-2022		Respective Dean's Office, in consultation with CoE

8.1	Completion of Evaluation and posting of awards on EMS	25-11-2022	29-11-2022	Respective Faculty members
8.11	Classes with Revision and Doubt Clearing Sessions	28-11-2022	30-11-2022	Respective Faculty members
8.12	End of Semester Classes	30-11-2022		
9	Deposit of Installment of Fee for AY 2021-22 upto	15-11-2022		Individual Student
10	End Semester Examination its Preparation, Course Exit and Curriculum Feedback			
10.1	List of Eligible Students on the basis of required min. attendance on or before	2/12/2022		Registrar's Office
10.2	Submission of Complete Continuous Assessment/Internal Marks to CoE on or before	2/12/2022		HoD/Faculty
10.3	Course Exit Feedback for CO Attainment, feedback on Curricula and Generic Facilities and SSS - To be given by Students () Feedback on Curricula - To be given by Faculty members	3/12/2022	7/12/2022	Respective Department EMS Coordinator under the supervision of HoD
10.4	End Semester Practical Examination	3/12/2022	7/12/2022	
10.5	Date sheet/Schedule for practical exams to be notified by respective departments on or before	25-11-2022		HoD in consultation with Dean and CoE
10.6	Submission of awards of final practicals to CoE on or before	13-12-2022		Department practical Exams coordinator
10.7	Submission of internal evaluation for Open Electives/Value Added courses to central MOOC Coordinator	13-12-2022		Dept. Mooc Coordinator
10.8	Submission of continous Assesment / Internal Awards to CoE on or Before	14-12-2022		Respective HoDs in consultation with Dean
10.9	End Semester Theory Examination	12/12/2022	30-12-2022	COE
10.1	Date sheet/Schedule to be notified by CoE on or before	21-11-2022		COE
10.11	Completion of Evaluation and submission of marks to CoE on or before	4/1/2023		Respective Supdt. Evaluation
10.12	Showing of Answer Sheets of End Semester Examinaion	6/1/2023	7/1/2023	Respective HoDs and their team
11	Results and submission of outcome-reports of the semester			
11.1	Results Declaration of semesters examination on or before	10/1/2023		CoE
11.2	Submission of detailed reports of Value Added Courses conducted to IQAC on before	13-01-2023		HoDs/ Deans
11.3	Submission of COMPLETE Course Files(with course Outcome attainment computation and analysis), to respective HoD and recommendations of DAC w.r.t. Course Outcome analysis report from HoD to office of IQAC.	17-01-2023	18-01-2023	Course Coordinators
11.4	Submission of Mentor-Mentee Files (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners to respective HoD	17-01-2023	18-01-2023	Faculty Mentor

11.5	Submission of Mentorship report (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners by respective HoDs to IQAC	20-01-2023	Respective HoD/Center Heads
12	Start of next Semester	9/1/2023	
12.1	Notification of Academic Calendar for next Semester	15-12-2022	Assc. Dean Academics

Academic Calendar for the 5th Semester onwards (July-December2022)				
S.No.	Activity	From	To	Responsibility
1	Start of Session	25-07-2022		
	Pre Semester preparation work			
2	Result Analysis of previous semester	1/7/2022	5/7/2022	Respective HoD
2.1	Course wise result analysis report and its ATR to IQAC	6/7/2022		Respective HoD
2.2	Notification of Advanced and Slow learners alongwith schedule of activities planned including remedial classes for slow learners	7/7/2022		Respective HoD
3	Identification and Approval of Open/Interdisciplinary Electives and value-added courses			
3.1	Submission of list of Open Electives/ Value Added Course, syllabus and Faculty-in-charge with central MOOC Coordinator	1/7/2022		Dept. Mooc Coordinator
3.2	Approval of Open Electives / Value Added Courses with syllabus and faculty in-charges by Dean Academics latest by	4/7/2022		Central MOOC Coordinator
4	Submission of updated list of Mentors and Mentees to Asso. Dean Acad.	5/7/2022		Respective HoD
5	Perspective plan/ Activity Calendar of the Departments and Centers/Sections of University (To be Shared with Assoc. Dean Academics) latest by	30-06-2022		Respective HoD/Center Heads
5.1	Notification of University Central Activity Calendar for the semester by Dean Academics after approval from VC on or before	4/7/2022		Assoc. Dean Academics
6	Academic Planning			
6.1	Preparation and submission of Teaching Load to Asso. Dean Acad. For approval by Dean Academics	22-06-2022		Dean's Office/ HoDs
6.2	Preparation of the Time Table	15-07-2022		Dept. Time Table Incharge
6.3	Mentor-Mentee sessions: Sharing of information about the coming session, courses and conduct of	6/8/2022		Respective Mentors
6.4	Uploading of the Time Table and Teaching plan on EMS with information about Mode of Delivery by faculty members/ teachers	21-07-2022	22-07-2022	Dept. EMS coordinators

7	Course Registration			
7.1	Course Registration on EMS by students.	22-07-2022	30-07-2022	Students under supervision of respective mentors
7.2	Approval of courses registered by students on EMS	1/8/2022	5/8/2022	Respective HoD/Center Heads
8	Conduct of Classes, Feedback and Evaluation			
	Semester Orientation			Respective HoDs/Center Heads
8.1	Classes (Monday to Friday) with continuous Class Assessment	8/8/2022	30-09-2022	Respective teachers under regular monitoring of HoDs/Deans
8.2	First Sessional Tests	1/10/2022	7/10/2022	Respective HoDs in consultation with Deans and CoE
8.3	Course Delivery /Faculty feedback -1(Turn1) to be given by students	1/10/2022	7/10/2022	Dept. EMS coordinators
8.4	Date sheet/Schedule of the first sessionals to be notified by respective departments on or before	23-09-2022		Respective Dean's Office, in consultation with CoE
8.5	Completion of Evaluation of first sessionals and posting of awards on EMS	7/10/2022	11/10/2022	Respective Faculty members
8.6	Classes (Monday to Friday) with continuous Class Assessment	10/10/2022	18-11-2022	Respective Faculty members
8.7	Second Sessional Tests	21-11-2022	25-11-2022	Respective HoDs in consultation with Deans and CoE
8.8	Course/Faculty Feedback 2 (TURN 2) - To be given by students	21-11-2022	25-11-2022	Dept. EMS coordinators
8.9	Date sheet/Schedule of second sessionals to be notified by respective departments on or before	14-11-2022		Respective Dean's Office, in consultation with CoE
8.1	Completion of Evaluation and posting of awards on EMS	25-11-2022	29-11-2022	Respective Faculty members
8.11	Classes with Revision and Doubt Clearing Sessions	28-11-2022	30-11-2022	Respective Faculty members
8.12	End of Semester Classes	30-11-2022		
9	Deposit of Installment of Fee for AY 2021-22 upto	15-11-2022		Individual Student
10	End Semester Examination its Preparation, Course Exit and Curriculum Feedback			
10.1	List of Eligible Students on the basis of required min. attendance on or before	2/12/2022		Registrar's Office
10.2	Submission of Complete Continuous Assessment/Internal Marks to CoE on or before	2/12/2022		HoD/Faculty
10.3	Course Exit Feedback for CO Attainment, feedback on Curricula and Generic Facilities and SSS - To be given by Students () Feedback on Curricula - To be given by Faculty members	3/12/2022	7/12/2022	Respective Department EMS Coordinator under the supervision of HoD

10.4	End Semester Practical Examination	3/12/2022	7/12/2022	
10.5	Date sheet/Schedule for practical exams to be notified by respective departments on or before	25-11-2022		HoD in consultation with Dean and CoE
10.6	Submission of awards of final practicals to CoE on or before	13-12-2022		Department practical Exams coordinator
10.7	Submission of internal evaluation for Open Electives/Value Added courses to central MOOC Coordinator	13-12-2022		Dept. Mooc Coordinator
10.8	Submission of continuous Assessment / Internal Awards to CoE on or Before	14-12-2022		Respective HoDs in consultation with Dean
10.9	End Semester Theory Examination	12/12/2022	30-12-2022	COE
10.1	Date sheet/Schedule to be notified by CoE on or before	21-11-2022		COE
10.11	Completion of Evaluation and submission of marks to CoE on or before	4/1/2023		Respective Supdt. Evaluation
10.12	Showing of Answer Sheets of End Semester Examination	6/1/2023	7/1/2023	Respective HoDs and their team
11	Results and submission of outcome-reports of the semester			
11.1	Results Declaration of semesters examination on or before	10/1/2023		CoE
11.2	Submission of detailed reports of Value Added Courses conducted to IQAC on before	13-01-2023		HoDs/ Deans
11.3	Submission of COMPLETE Course Files(with course Outcome attainment computation and analysis), to respective HoD and recommendations of DAC w.r.t. Course Outcome analysis report from HoD to office of IQAC.	17-01-2023	18-01-2023	Course Coordinators
11.4	Submission of Mentor-Mentee Files (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners to respective HoD	17-01-2023	18-01-2023	Faculty Mentor
11.5	Submission of Mentorship report (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners by respective HoDs to IQAC	20-01-2023		Respective HoD/Center Heads
12	Start of next Semester	9/1/2023		
12.1	Notification of Academic Calendar for next Semester	15-12-2022		Assoc. Dean Academics

Department of Physiotherapy Academic Calendar for the BPT and MPT 1st year for session 2022-23

S.No.	Activity	BPT 1st Year		MPT 1st Year		Responsibility
		From	To	From	To	
1	Start of session	19.09.2022				
	Pre Year Preparation					
	Result analysis of Previous Semester	14.07.2022	19.07.2022	14.07.2022	19.07.2022	
	Course wise result analysis reports and ATR to IQAC	20.07.2022		20.07.2022		
	Notification of Advance and Slow learner along with schedule of Activities planned including Remedial Classes for Slow learner	21.07.2022		21.07.2022		
1.1	Orientation week / Bridge Classes	22.08.2022	16.09.2022	25.08.2022	16.09.2022	Respective HoD
1.2	Enrolment of students and sharing mentor mentee details	29.08.2022	03.09.2022	29.08.2022	03.09.2022	Dept. Mentor-Mentee Coordinator
1.3	Submission of list of Mentors and Mentees to Academic Office (Updation) (Vertical Mentoring)	17.08.2022		17.08.2022		Respective HoD
1.4	Preparation and submission of Teaching Load to Acad. Office for approval	01.08.2022		01.08.2022		Respective HoD
1.5	Preparation of the Time Table	08.08.2022		08.08.2022		Dept. Time Table Coordinator
1.6	Sharing of Information about the coming session, courses and mentor-mentee sessions by mentors to their mentees	22.08.2022		25.08.2022		Dept. Mentor-Mentee Coordinator
1.7	Uploading of the Time Table and Teaching plan on EMS with information about Mode of Delivery by faculty members/ teachers	12.08.2022		12.08.2022		Dept. EMS Coordinator/Respective faculty members
1.8	Course Registration on EMS by students.	22-08-2022-25.08.2022		25-08-2022-29.08.2022		Students under supervision of respective mentors.
1.9	Approval of courses registered by students on EMS	22.08.2022	25.08.2022	25.08.2022	29.08.2022	Respective HoD
2	Classes (Monday to Saturday) with continuous Class Assessment. With updating the same on EMS.	19.09.2022	25.11.2022	19.09.2022	25.11.2022	Respective teacher under regular monitoring of HoD/Dean
2.1	Datesheet/Schedule of first sessional to be notified by the department on/before	22.11.2022		22.11.2022		Respective HoD in consultation with Dean and COE
3	First Sessional Exam (Theory and Practical)	12.12.2022	16.12.2022	12.12.2022	16.12.2022	Respective HoD in consultation with Dean and COE
3.1	Course Delivery /Faculty feedback-1 (Turn1) to be given by students	12.12.2022	16.12.2022	12.12.2022	16.12.2022	Dept. EMS Coordinator
3.2	Completion of Evaluation of first sessionals and posting of awards on EMS	16.12.2022	19.12.2022	16.12.2022	19.12.2022	Respective faculty members
4	Classes (Monday to Saturday) with continuous Class Assessment With updating the same on EMS.	19.12.2022	10.02.2023	19.12.2022	10.02.2023	Respective faculty members
4.1	Datesheet/Schedule of Second sessional to be notified by the department on/before	07.02.2023		07.02.2023		Respective HoD in consultation with Dean and COE

5	Second Sessional Exam (Theory and Practical)	13.02.2023	18.02.2023	13.02.2023	18.02.2023	Respective HoD in consultation with Dean and COE
5.1	Course Delivery /Faculty feedback-2 (Turn 2) to be given by students	13.02.2023	18.02.2023	13.02.2023	18.02.2023	Dept. EMS Coordinator
5.2	Completion of Evaluation of Second sessionals and posting of awards on EMS	18.02.2023	22.02.2023	18.02.2023	22.02.2023	Respective faculty members
6	Deposition of second installment of fee	15.11.2022				Students
7	Classes (Monday to Saturday) with continuous Class Assessment With updating the same on EMS.	20.02.2023	12.05.2023	20.02.2023	12.05.2023	Respective faculty members
7.1	Datesheet/Schedule of Pre-Limnary Examinatin to be notified by the department on/before	08.05.2023		08.05.2023		Respective HoD in consultation with Dean and COE
8	Pre-limnary Examination (Theory and Practical)	29.05.2023	03.06.2023	29.05.2023	03.06.2023	Respective HoD in consultation with Dean and COE
8.1	Completion of Evaluation of Pre-limnary Examination and posting of awards on EMS	29.05.2023	03.06.2023	29.05.2023	03.06.2023	Respective faculty members
8.2	Classes with Revision and Doubt Clearing Sessions	05.06.2023	09.06.2023	05.06.2023	09.06.2023	Respective faculty members
9	List of Eligible Students on the basis of required min. attendance on or before	13.06.2023		13.06.2023		Dean Academic Office
10	Course Exit Feedback for CO Attainment and SSS - To be given by Students (feedback on Curricula and Generic Facilities) Feedback on Curricula - To be given by Faculty members	05.05.2023	09.06.2023	05.05.2023	09.06.2023	Dept. EMS Coordinator
10.1	Submission of Complete Continuous Assessment/ Internal Marks to COE on or before	13.06.2023		13.06.2023		Respective HoD in consultation with Dean
11	End of Teaching / Academic Session	09.06.2023		09.06.2023		
12	Preparatory Leave	7 days before start of university exams				
13	Date sheet/Schedule for practical exams to be notified to COE on or before	01.06.2023				
	Date sheet/Schedule for theory exams to be notified by COE on or before	08.06.2023		08.06.2023		Respective HoD in consultation with Dean
	Final University Practical Examination	12.06.2023	17.06.2023	12.06.2023	17.06.2023	
14	Final University Theory Examination	19.06.2023	01.07.2023	19.06.2023	01.07.2023	COE for theory/Respective HoD in consultation with Dean
14.1	Completion of Evaluation and submission of marks to COE on or before	04.07.2023		04.07.2023		Respective Supdt. Evaluation
14.2	Showing of Answer Sheets of Annual Examination	06.07.2023	07.07.2023	06.07.2023	07.07.2023	Respective HoD and their team
14.3	Declaration of Results of Annual Examination on or before	15.07.2023		15.07.2023		COE

15	Submission of Complete Course Files(with course Outcome attainment computation and analysis), Mentor-Mentee files(including their achievements, academic progression) to respective HoD and from HoD to office of IQAC.	10.08.2023	10.08.2023	Course Coordinator
16	Submission of Mentor-Mentee Files (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners to respective HoD.	10.08.2023	10.08.2023	Faculty Mentor
17	Submission of Mentor-Mentee Files (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners by respective HoDs to IQAC.	17.08.2023	17.08.2023	Respective HoD

Academic Calendar for the 4th Semester Onwards (Jan-June 2023)				
For all faculty except FDS, FMS-PG and Ist and IInd Year of FAHS-Physiotherapy				
S.No.	Activity	From	To	Responsibility
1	Start of Session	9/1/2023		
2	Result Analysis of previous semester	14-01-2023	18-01-2023	Respective HoD
2.1	Course wise result analysis report and its ATR to IQAC	19-01-2023		Respective HoD
3	Identification and Approval of Open/Interdisciplinary Electives and value-added courses			
3.1	Submission of list of Open Electives/ Value Added Course, syllabus and Faculty-in-charge with central MOOC Coordinator	20-12-2022		Dept. Mooc Coordinator
3.2	Approval of Open Electives / Value Added Courses with syllabus and faculty in-charges by Dean Academics latest by	22-12-2022		Central MOOC Coordinator
4	Submission of updated list of Mentors and Mentees to Associate Dean Academics	22-12-2022		Respective HoD
5	Perspective plan/ Activity Calendar of the Departments and Centers/Sections of University (To be Shared with Director IQAC) latest by	3/1/2023		Respective HoD/Center Heads
5.1	Notification of University Central Activity Calendar for the semester by Dean Academics after approval from VC on or before	7/1/2023		Dean Academics
6	Academic Planning			
6.1	Preparation and submission of Teaching Load to Dean Acad. For approval	12/12/2022		Dean's Office/ HoDs
6.2	Preparation of the Time Table	28-12-2022		Dept. Time Table Incharge
6.3	Uploading of the Time Table and Teaching plan on EMS with information about Mode of Delivery by faculty members/ teachers	By 02-01-2023		Dept. EMS coordinators
6.4	Mentor-Mentee sessions: Sharing of information about the coming session, courses and conduct of	3/1/2023	5/1/2023	Respective Mentors

6.5	Undertaking from student to mentor about Credit Requirements, Minimum attendance Criteria etc.	3/1/2023	5/1/2023	Respective Mentors
7	Course Registration			
7.1	Course Registration on EMS by students.	5/1/2023	7/1/2023	Students under supervision of respective mentors
7.2	Approval of courses registered by students on EMS	7/1/2023	9/1/2023	Respective HoD/Center Heads
8	Conduct of Classes, Feedback and Evaluation			
	Semester Orientation	9/1/2023		Respective HoDs/Center Heads
8.1	Classes (Monday to Friday) with continuous Class Assessment	9/1/2023	24-02-2023	Respective teachers under regular monitoring of HoDs/ Deans
8.2	First Sessional Tests	27-02-2023	4/3/2023	Respective HoDs in consultation with Deans and CoE
8.3	Course Delivery /Faculty feedback -1(Turn1) to be given by students	20-02-2023	24-02-2023	Dept. EMS coordinators
8.4	Date sheet/Schedule of the first sessionals to be notified by respective departments on or before	18-02-2023		Respective Dean's Office, in consultation with CoE
8.5	Completion of Evaluation of first sessionals and posting of awards on EMS	4/3/2023	7/3/2023	Respective Faculty members
8.6	Notification of Advanced and Slow learners alongwith schedule of activities planned including remedial classes for slow learners	13-03-2023		Respective HoD
8.7	Classes (Monday to Friday) with continuous Class Assessment	6/3/2023	21-04-2023	Respective Faculty members
8.8	Second Sessional Tests	24-04-2023	29-04-2023	Respective HoDs in consultation with Deans and CoE
8.9	Course/Faculty Feedback 2 (TURN 2) - To be given by students	17-04-2023	20-04-2023	Dept. EMS coordinators
8.1	Date sheet/Schedule of second sessionals to be notified by respective departments on or before	14-04-2023		Respective Dean's Office, in consultation with CoE
8.11	Completion of Evaluation and posting of awards on EMS	29-04-2023	2/5/2023	Respective Faculty members
8.12	Classes with Revision and Doubt Clearing Sessions	1/5/2023	3/5/2023	Respective Faculty members
8.13	End of Semester Classes	3/5/2023		
9	Deposit of Installment of Fee for AY 2021-22 upto	30-04-2022		Individual Student
10	End Semester Examination its Preparation, Course Exit and Curriculum Feedback			
10.1	Submission of Complete Continuous Assessment/Internal Marks on EMS	4/5/2023		HoD/Faculty
10.2	List of Eligible Students on the basis of required min. attendance on or before	5/5/2023		Academics Office
10.3	List of Eligible Students on the basis of Continuous Semester evaluation on or before	6/5/2023		Academics Office

10.4	Course Exit Feedback for CO Attainment, feedback on Curricula and Generic Facilities and SSS - To be given by Students Feedback on Curricula - To be given by Faculty members	8/5/2023	12/5/2023	Respective Department EMS Coordinator under the supervision of HoD
10.5	End Semester Practical Examination	8/5/2023	12/5/2023	
10.6	Date sheet/Schedule for practical exams to be notified by respective departments on or before	1/5/2023		HoD in consultation with Dean and CoE
10.7	Submission of awards of final practicals to CoE on or before	17-05-2023		Department practical Exams coordinator
10.8	Submission of internal evaluation for Open Electives/Value Added courses to central MOOC Coordinator	17-05-2023		Dept. Mooc Coordinator
10.9	Submission of continuous Assessment / Internal Awards to CoE on or Before	17-05-2023		Respective HoDs in consultation with Dean
10.1	End Semester Theory Examination	17-05-2023	9/6/2023	COE
10.11	Date sheet/Schedule to be notified by CoE on or before	25-04-2023		COE
10.12	Completion of Evaluation and submission of marks to CoE on or before	14-06-2023		Respective Supdt. Evaluation
10.13	Showing of Answer Sheets of End Semester Examination	17-06-2023	19-06-2023	Respective HoDs and their team
11	Students' Internship	12/6/2023	21-07-2023	Respective HoDs and their team to decide the slot in the given time frame
12	Results and submission of outcome-reports of the semester			
12.1	Results Declaration of semesters examination on or before	26-06-2023		CoE
12.2	Submission of detailed reports of Value Added Courses conducted to IQAC on before	3/7/2023		HoDs/ Deans
12.3	Submission of COMPLETE Course Files(with course Outcome attainment computation and analysis), to respective HoD and recommendations of DAC w.r.t. Course Outcome analysis report from HoD to office of IQAC.	4/7/2023		Course Coordinators
12.4	Submission of Mentor-Mentee Files (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners to respective HoD	5/7/2023		Faculty Mentor
12.5	Submission of Mentorship report (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners by respective HoDs to IQAC	6/7/2023		Respective HoD/Center Heads
13	Start of next Semester	25-07-2023		
13.1	Notification of Academic Calendar for next Semester	3/7/2023		Dean Academics

Academic Calendar for the FMS-PG (July-December2022)				
S.No.	Activity	First Semester		Responsibility
		From	To	
	Orientation/Induction Plan	16-Aug-22	3-Sep-22	
1	Start of Session	5-Sep-22		
2	Submission of list of Mentors and Mentees to Asso. Dean Acad.	8-Aug-22		Respective HoD
3	Academic Planning			
3.1	Preparation and submission of Teaching Load to Asso. Dean Acad. For approval by Dean Academics	24-Jun-22		Dean's Office/ HoDs
3.2	Preparation of the Time Table	15-Jul-22		Dept. Time Table Incharge
3.3	Uploading of the Time Table and Teaching plan on EMS with information about Mode of Delivery by faculty members/ teachers	21-Jul-22	22-Jul-22	Dept. EMS coordinators
4	Course Registration			
4.1	Course Registration on EMS by students.	29-Aug-22	31-Aug-22	Students under supervision of respective mentors
4.2	Approval of courses registered by students on EMS	31-Aug-22	3-Sep-22	Respective HoD/Center Heads
5	Conduct of Classes, Feedback and Evaluation			
5.1	Classes (Monday to Friday) with continuous Class Assessment	5-Sep-22	4-Nov-22	Respective teachers under regular monitoring of HoDs/ Deans
5.2	First Sessional Tests	5-Nov-22	12-Nov-22	Respective HoDs in consultation with Deans and CoE
5.3	Course Delivery /Faculty feedback -1(Turn1) to be given by students	5-Nov-22	12-Nov-22	Dept. EMS coordinators
5.4	Date sheet/Schedule of the first sessionals to be notified by respective departments on or before	24-Oct-22		Respective Dean's Office, in consultation with CoE
5.5	Completion of Evaluation of first sessionals and posting of awards on EMS	12-Nov-22	16-Nov-22	Respective Faculty members
5.6	Classes (Monday to Friday) with continuous Class Assessment	14-Nov-22	16-Dec-22	Respective Faculty members
5.7	Second Sessional Tests	17-Dec-22	23-Dec-22	Respective HoDs in consultation with Deans and CoE
5.8	Course/Faculty Feedback 2 (TURN 2) - To be given by students	17-Dec-22	23-Dec-22	Dept. EMS coordinators
5.9	Date sheet/Schedule of second sessionals to be notified by respective departments on or before	29-Nov-22		Respective Dean's Office, in consultation with CoE

5.10	Completion of Evaluation and posting of awards on EMS	23-Dec-22	27-Dec-22	Respective Faculty members
5.11	Classes with Revision and Doubt Clearing Sessions	26-Dec-22	28-Dec-22	Respective Faculty members
5.12	End of Semester Classes	28-Dec-22		
6	Deposit of Installment of Fee for AY 2022-23 upto	15-Nov-22		Individual Student
7	End Semester Examination its Preparation, Course Exit and Curriculum Feedback			
7.1	List of Eligible Students on the basis of required min. attendance on or before	30-Dec-22		Registrar's Office
7.2	Submission of Complete Continuous Assessment/Internal Marks to CoE on or before	30-Dec-22		HoD/Faculty
7.3	Course Exit Feedback for CO Attainment, feedback on Curricula and Generic Facilities and SSS - To be given by Students Feedback on Curricula - To be given by Faculty members	31-Dec-22	6-Jan-23	Respective Department EMS Coordinator under the supervision of HoD
7.4	End Semester Practical Examination	31-Dec-22	6-Jan-23	
7.5	Date sheet/Schedule for practical exams to be notified by respective departments on or before	19-Dec-22		HoD in consultation with Dean and CoE
7.6	Submission of awards of final practicals to CoE on or before	9-Dec-22		Department practical Exams coordinator
7.7	Submission of internal evaluation for Open Electives/Value Added courses to central MOOC Coordinator	9-Dec-22		Dept. Mooc Coordinator
7.8	Submission of continous Assesment / Internal Awards to CoE on or Before	12-Dec-22		Respective HoDs in consultation with Dean
7.9	End Semester Theory Examination	10-Jan-23	25-Jan-23	COE
7.1	Date sheet/Schedule to be notified by CoE on or before	19-Dec-22		COE
7.11	Completion of Evaluation and submission of marks to CoE on or before	30-Jan-23		Respective Supdt. Evaluation
7.12	Showing of Answer Sheets of End Semester Examaion	3-Jan-23	4-Jan-23	Respective HoDs and their team
8	Results and submission of outcome-reports of the semester			
8.1	Results Declaration of semesters examination on or before	8-Feb-23		CoE

Academic Calendar for the FMS-PG (July-December2022)				
S.No.	Activity	First Semester		Responsibility
		From	To	
1	Start of Session/Orientation	16-Aug-22		
2	Submission of list of Mentors and Mentees to Asso. Dean Acad.	8-Aug-22		Respective HoD
3	Academic Planning			
3.1	Preparation and submission of Teaching Load to Asso. Dean Acad. For approval by Dean Academics	24-Jun-22		Dean's Office/ HoDs
3.2	Preparation of the Time Table	15-Jul-22		Dept. Time Table Incharge
3.3	Uploading of the Time Table and Teaching plan on EMS with information about Mode of Delivery by faculty members/ teachers	21-Jul-22	22-Jul-22	Dept. EMS coordinators
4	Course Registration			
4.1	Course Registration on EMS by students.	1-Aug-22	8-Aug-22	Students under supervision of respective mentors
4.2	Approval of courses registered by students on EMS	10-Aug-22	15-Aug-22	Respective HoD/Center Heads
5	Conduct of Classes, Feedback and Evaluation			
5.1	Classes (Monday to Friday) with continuous Class Assessment	16-Aug-22	7-Oct-22	Respective teachers under regular monitoring of HoDs/ Deans
5.2	First Sessional Tests	10-Aug-22	14-Oct-22	Respective HoDs in consultation with Deans and CoE
5.3	Course Delivery /Faculty feedback -1(Turn1) to be given by students	10-Aug-22	14-Oct-22	Dept. EMS coordinators
5.4	Date sheet/Schedule of the first sessionals to be notified by respective departments on or before	3-Oct-22		Respective Dean's Office, in consultation with CoE
5.5	Completion of Evaluation of first sessionals and posting of awards on EMS	14-Oct-22	18-Oct-22	Respective Faculty members
5.6	Classes (Monday to Friday) with continuous Class Assessment	17-Oct-22	25-Nov-22	Respective Faculty members
5.7	Second Sessional Tests	28-Nov-22	2-Dec-22	Respective HoDs in consultation with Deans and CoE
5.8	Course/Faculty Feedback 2 (TURN 2) - To be given by students	28-Nov-22	2-Dec-22	Dept. EMS coordinators
5.9	Date sheet/Schedule of second sessionals to be notified by respective departments on or before	21-Nov-22		Respective Dean's Office, in consultation with CoE
5.1	Completion of Evaluation and posting of awards on EMS	2-Dec-22	6-Dec-22	Respective Faculty members
5.11	Classes with Revision and Doubt Clearing Sessions	5-Dec-22	7-Dec-22	Respective Faculty members
5.12	End of Semester Classes	7-Dec-22		

6	Deposit of Installment of Fee for AY 2022-23 upto	15-Nov-22		Individual Student
7	End Semester Examination its Preparation, Course Exit and Curriculum Feedback			
7.1	List of Eligible Students on the basis of required min. attendance on or before	9-Dec-22		Registrar's Office
7.2	Submission of Complete Continuous Assessment/Internal Marks to CoE on or before	9-Dec-22		HoD/Faculty
7.3	Course Exit Feedback for CO Attainment, feedback on Curricula and Generic Facilities and SSS - To be given by Students Feedback on Curricula - To be given by Faculty members	12-Dec-22	15-Dec-22	Respective Department EMS Coordinator under the supervision of HoD
7.4	End Semester Practical Examination	12-Dec-22	15-Dec-22	
7.5	Date sheet/Schedule for practical exams to be notified by respective departments on or before	5-Dec-22		HoD in consultation with Dean and CoE
7.6	Submission of awards of final practicals to CoE on or before	19-Dec-22		Department practical Exams coordinator
7.7	Submission of internal evaluation for Open Electives/Value Added courses to central MOOC Coordinator	19-Dec-22		Dept. Mooc Coordinator
7.8	Submission of continuous Assessment / Internal Awards to CoE on or Before	20-Dec-22		Respective HoDs in consultation with Dean
7.9	End Semester Theory Examination	19-Dec-22	6-Jan-23	COE
7.1	Date sheet/Schedule to be notified by CoE on or before	28-Nov-22		COE
7.11	Completion of Evaluation and submission of marks to CoE on or before	10-Jan-23		Respective Supdt. Evaluation
7.12	Showing of Answer Sheets of End Semester Examination	12-Jan-23	13-Jan-23	Respective HoDs and their team
8	Results and submission of outcome-reports of the semester			
8.1	Results Declaration of semesters examination on or before	17-Jan-23		CoE

Academic Calendar for the FDS										
S.No.	Activity	BDS 1ST		BDS 2ND		BDS 3RD		BDS 4TH		Responsibility
		From	To	From	To	From	To	From	To	
1	Start of Session	04.09.2023		9.10.2023		18.10.2023		14.9.2023		
	Orientation	2.9.2023	4.9.2023	9.10.2023		18.10.2023		14.9.2023		
1.1	Submission of list of Open Electives/ Value Added Courses, syllabus and Faculty-Incharge with central MOOC Coordinator	05.09.2023	15.09.2023	10.10.2023	20.10.2023	19.10.2023	30.10.2023	19.9.2023	30.9.2023	Dr. Pankaj Dhawan
1.2	Submission of list of Mentors and Mentees to Academic Office (Updation) (Vertical Mentoring)	05.09.2023	15.09.2023	10.10.2023	20.10.2023	19.10.2023	30.10.2023	19.9.2023	30.9.2023	Principal office
1.3	Approval of Open Electives/ Value Added Courses, Syllabus and Faculty in-charges by Academics office	05.09.2023	15.09.2023	10.10.2023	20.10.2023	19.10.2023	30.10.2023	NA		Academic Office
1.4	Preparation and submission of Teaching Load to Acad. Office for approval	04.08.2023	14.08.2023	08.09.2023	18.09.2023	18.09.2023	29.09.2023	14.08.2023	25.08.2023	Course Coordinator under supervision of their HOD
1.5	Preparation of the Time Table	01.08.2023								Principal office
1.6	Sharing of Information about the coming session, courses and mentor-mentee sessions by mentors to their mentees	05.09.2023	15.09.2023	10.10.2023	20.10.2023	19.10.2023	30.10.2023	19.9.2023	30.9.2023	Respective mentors and mentor incharge
1.7	Uploading of the Time Table and Teaching plan on EMS with information about Mode of Delivery by faculty members/ teachers	04.08.2023	14.08.2023	08.09.2023	18.09.2023	18.09.2023	29.09.2023	14.08.2023	25.08.2023	Mrs. Priyanka and Course Coordinator under supervision of their HOD
1.8	Course Registration on EMS by students.	28.08.2023	02.09.2023	03.10.2023	07.10.2023	12.10.2023	17.10.2023	08.09.2023	13.09.2023	Students under supervision of their mentors
1.9	Approval of courses registered by students on EMS	05.09.2023	15.09.2023	10.10.2023	20.10.2023	19.10.2023	30.10.2023	19.9.2023	30.9.2023	Principal office
2	Classes (Monday to Saturday) with continuous Class Assessment With updating the same on EMS.	05.09.2023	6.7.2024	10.10.2023	6.7.2024	19.10.2023	14.08.2024	15.9.2023	15.07.2024	Respective faculty under regular monitoring by respective HoD
3	Winter Vacation For BDS Students BDS 1st to 4th Year	25.12.2023	1.1.2024	25.12.2023	1.1.2024	18.12.2023	24.12.2023	25.12.2023	1.1.2024	Principal office
4	(Holiday Posting)	NA		NA		25.12.2023	1.1.2024	18.12.2023	24.12.2023	Principal office
5	Winter Vacation For Faculty Members - 1st Half	27.11.2023 TO 10.12.2023								Principal office
6	Winter Vacation For Faculty Members - 2nd Half	11.12.2023 TO 24.12.2023								Principal office
7	First Sessional Exam	9.1.2024	15.1.2024	9.1.2024	15.1.2024	9.1.2024	12.1.2024	9.1.2024	16.1.2024	Principal office
7.1	Course Delivery /Faculty feedback I(Turn1) to be given by students	9.1.2024	15.1.2024	9.1.2024	15.1.2024	9.1.2024	12.1.2024	9.1.2024	18.1.2024	Respective mentors /under supervision of EMS coordinator
7.2	Completion of Evaluation of first sessionals and posting of awards on EMS	22.1.2024	30.1.2024	22.1.2024	30.1.2024	22.1.2024	30.1.2024	22.1.2024	30.1.2024	Principal office
7.3	Notification of Advanced and Slow learners alongwith schedule of activities planned including remedial classes for slow learners and share information with IQAC office	31.1.2024	3.2.2024	31.1.2024	3.2.2024	31.1.2024	3.2.2024	31.1.2024	3.2.2024	Principal office
7.4	Remedial Class for Slow Learner	05.2.2024	16.2.2024	05.2.2024	16.2.2024	05.2.2024	16.2.2024	05.2.2024	16.2.2024	Principal office

8	FEST Week & Sports Day	11.3.2024 TO 15.3.2024								Dr. Manish Bhargava
9	Second Sessional Exam	25.03.2024	30.03.2024	25.03.2024	30.03.2024	25.03.2024	30.03.2024	25.03.2024	02.04.2024	Principal office
9.1	Course/Faculty Feedback 2 (TURN 2) - To be given by students	25.03.2024	30.03.2024	25.03.2024	30.03.2024	25.03.2024	30.03.2024	25.03.2024	02.04.2024	Respective mentors /under supervision of EMS coordinator
9.2	Completion of Evaluation and posting of awards on EMS	10.4.2024	17.4.2024	10.4.2024	17.4.2024	10.4.2024	17.4.2024	10.4.2024	17.4.2024	Respective Faculty members/ teachers
10	Summer Vacation (Staff) 1st Half	13.05.2024 TO 17.06.2024 (ONLY ONE WEEK)								Principal office
11	Summer Vacation (Staff) 2nd Half	15.07.2024 TO 31.08.2024 (TWO WEEKS)								Principal office
12	Third Sessional Exam	8.7.2024	30.07.2024	8.7.2024	30.07.2024	16.08.2024	28.08.2024	16.07.2024	06.08.2024	Principal office
12.1	Completion of Evaluation of Third sessionals and posting of awards on EMS	28.7.2024	5.9.2024	28.7.2024	5.9.2024	6.9.2024	13.9.2024	6.8.2024	13.8.2024	Course Coordinator under supervision of their HOD
12.2	Doubt Clearing Sessions	01.08.2024	12.08.2024	01.08.2024	12.08.2024	29.8.2024	8.9.2024	09.8.2024	19.8.2024	Course Coordinator under supervision of their HOD
13	List of Eligible Students on the basis of required min. attendance on or before	11.7.2024		11.7.2024		19.8.2024		19.7.2024		Academic Office
14	Submission of Complete Continuous Assessment/ Internal Marks to COE on or before	20.8.2024		20.8.2024		16.9.2024		26.08.2024		Academic Office, Mr. Pardeep
15	Course Exit Feedback for CO Attainment and SSS - To be given by Students (feedback on Curricula and Generic Facilities) Feedback on Curricula - To be given by Faculty members	2.7.2024	5.7.2024	2.7.2024	5.7.2024	9.9.2024	14.9.2024	10.7.2024	13.7.2024	EMS Coordinator And feedback coordinator under supervision of Principal, FDS
15.1	CO Attainment and SSS - To be given by Students (feedback on Curricula and Generic Facilities) Feedback on Curricula - To be given by Faculty members	1.10.2024	5.10.2024	1.10.2024	5.10.2024	18.10.2024	23.10.2024	8.10.2024	13.10.2024	
16	End of Academic Session BDS	12.08.2024		12.08.2024		08.09.2024		19.08.2024		Academic Office, Mr. Pardeep
17	Preparatory Leave For Students	01.08.2024	12.08.2024	01.08.2024	12.08.2024	29.8.2024	08.09.2024	09.08.2024	19.08.2024	Academic Office, Mr. Pardeep
18	Final University Theory Examination	13.8.2024		13.8.2024		09.09.2024		20.08.2024		Academic Office, Mr. Pardeep
	Final University Practical Examination	28.8.2024		28.8.2024		19.09.2024		09.09.2024		Academic Office, Mr. Pardeep
18.1	Date sheet/Schedule to be notified by COE on or before	15.07.2024		15.07.2024		15.07.2024		15.07.2024		CoE
18.2	Completion of Evaluation and submission of marks to COE on or before	10.09.2024	12.09.2024	10.09.2024	12.09.2024	28.9.2024	30.9.2024	25.09.2024	28.09.2024	Respective Supdt. Evaluation
18.3	Showing of Answer Sheets of Annual Examination	16.9.2024		15.9.2024		04.10.2024		28.09.2024		Course Coordinator under supervision of their HOD
18.4	Declaration of Results of Annual Examination on or before	1.10.2024		1.10.2024		18.10.2024		7.10.2024		CoE
18.5	Submission of detailed reports of Value Added Courses conducted to IQAC on before	JULY--2024		JULY--2024		JULY--2024		JULY--2024		Dr. Anjana Goyal /Principal office (FDS)
19	Submission of Complete Course Files(with course Outcome attainment computation and analysis), Mentor-Mentee files(including their achievements, academic progression) to respective HoD and from HoD to office of IQAC.	15.10.2024	18.10.2024	15.10.2024	18.10.2024	1.11.2024	5.11.2024	17.10.2024	22.10.2024	Course Coordinator/ Mentor incharge/ Principal, FDS

20	Submission of Mentor-Mentee Files (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners to respective HoD	15.10.2024	18.10.2024	15.10.2024	18.10.2024	1.11.2024	5.11.2024	17.10.2024	22.10.2024	Mentor Incharge /ASL Coordinator
21	Submission of Mentor-Mentee Files (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners by respective HoDs to IQAC	15.10.2024	18.10.2024	15.10.2024	18.10.2024	1.11.2024	5.11.2024	17.10.2024	22.10.2024	Principal office (FDS)
22	Start of Session 2024-25			18.09.2024		18.09.2024		1.10.2024		Academic Office, Mr. Pardeep

CHAPTER-5

FACILITATION UNITS OF THE UNIVERSITY

5.1 Internal Quality Assurance Cell (IQAC)

IQAC at MRIIRS is committed to sustain its standards in education with its major objective as Quest for Excellence at all levels by:

- Developing and implementing a quality system for conscious, consistent and catalytic actions.
- Sustaining and enhancing the Quality Processes of the University.
- Measuring actual performance, determine deviations and provide feedback for improvement.
- Promoting the holistic academic and administrative excellence of the University.
- Organizing faculty and staff professional development programmes on quality related themes.

Activities conducted by IQAC during the Academic Year 2022-23:

A. Professional Development Programmes conducted by IQAC

Title of the Professional Development Program	Details
Faculty Development Programme on Project Based Learning	Faculty Development Programme on Project Based Learning was held on 4 th July to 9 th July 2022. The resource person for the programme was Dr. Geoffrey Clements, Chairman and Director for India of Commonwealth Infrastructure Partners. The speaker emphasized that Project Based Learning is an experience that makes learning alive. He also emphasized on good teaching practices and how they lead to better learning. A total of 35 Participants attended the Programme.
Training Programme on EMS Module	Training Session on EMS Modules for EMS Coordinator was held on 16 th July 2022. The resource person for the session was Mr. Vinay Rao -EMS Coordinator-Central Team. The objective was to apprise the respective department EMS coordinators about the salient features of EMS such as Grievance Redressal for faculty and students, Paperless admission systems, feedback on Generic and curricula, Hostel and transport facilities and on Proctor Modules. The session was attended by 8 participants.

<p>Staff Development Programme on MS office & Soft Skills</p>	<p>Internal Quality assurance cell (IQAC) in Association with Career Development centre (CDC) and Faculty of Engineering and Technology (FET) had organised Staff Development Programme on MS Office and Soft Skills for Non- teaching staff from 18th July 2022 to 22nd July 2022. The programme was attended by 21 participants. The programme aimed to provide hands-on experience on MS office related to Ms Word and Ms Excel. The participants also learnt about communication skills and effective use of English.</p>
<p>Orientation Programme on Fetching of Feedback Reports on EMS</p>	<p>IQAC organised Orientation Programme on Fetching of Feedback Reports on EMS on 8th September 2022. The resource Person Mr. Vinay Rao -EMS Coordinator-Central Team explicate the process of fetching the reports of feedback on Generic and Feedback on Curricula through EMS. The programme was attended by Dr. Geeta Nijhawan and Dr. Rashmi Agrawal, Member secretary of the both the Feedback Committees and other 6 participants attended the session.</p>
<p>EMS Training Programme on Examination Module and Programme Scheme Maintenance Process</p>	<p>EMS Training Programme on Examination Module and Programme Scheme Maintenance Process was conducted on 1st Oct 2022 by Mr. Vinay Rao and Mr. Dain D Thomas, EMS Coordinators-Central Team. The aim of the programme was to make the participants aware about different parameters for scheme maintenance for course marks bifurcation. A total of 35 participants attended the training.</p>
<p>Symposium on Writing Quality Proposals for Successful Research Grant</p>	<p>IQAC in association with Faculty of Management studies organised Symposium on Writing Quality Proposals for Successful Research Grant. The resource person of the event was Dr. Richa Sharma, Deputy Director-Research ICSSR, New Delhi. The speaker described about various ICSSR Schemes and enlighten the with significant factors to be considered for writing the proposal. Total of 55 Participants attended the Programme.</p>
<p>EMS Training Programme on Fetching proposal. A Reports</p>	<p>EMS Training Programme on Fetching of Feedback Reports was conducted on 15th October 2022. The resource person of the training programme was Mr. Vinay Rao and Mr. Dain D Thomas, EMS Coordinators-Central Team. The 27 participants attended the training fetching reports on various types of feedback and surveys. The training was also focussed on direct and indirect attainment w.r.t to Course Outcomes.</p>

<p>EMS Training Programme on Uploading of Continuous Assessment Marks on EMS</p>	<p>IQAC arranged Training Programme on Uploading of Continuous Assessment Marks on EMS on 15th Oct 2022.EMS Coordinators, Central team Mr. Vinay Rao and Mr. Dain D Thomas provided training on different parameters for Marks bifurcation and process of marks uploading on EMS. A total 24 attendees were benefitted from the training programme.</p>
<p>Faculty Induction Programme Part -I</p>	<p>Internal Quality assurance cell (IQAC) had organised Faculty Induction Programme in two parts Part-I and Part-II for newly appointed faculty members. The Resource person for the session on 15th October 2022 was Dr. Naresh Grover (PVC, MRIIRS).The programme aimed to apprise the new faculty members about the use of E-governance initiatives in the universities also demonstrated the features and processes of iCloud Portal-Employee management system(EMS) to be followed for efficient teaching and learning.A total of 52 participants attended the induction Programme</p>
<p>Faculty Induction Programme Part -II</p>	<p>Part-II of Faculty Induction Programme for newly appointed faculty members was conducted on 18th October 2022.The Resource person of the Programme was Hon'ble Vice chancellor-MRIIRS, Dr. Sanjay Srivastava and Registrar-Mr. R. K Arora. This session was conducted for 57 faculty members. The programme objective was to brief the faculty members about teaching strategies, opportunities available at MRIIRS and efficient use of resources.</p>
<p>Session on Fire Drills and Emergency Preparedness</p>	<p>IQAC awareness Programme on Fire Drills and Emergency Preparedness for staff members of MRIIRS. The session was taken by Mr. Pawan (Fire-Officer, MRIIRS). The event was coordinated by Mr. Virender Narula, Professor -ME. The session was conducted to make aware the staff during emergency conditions of Fire tragedies. A total of 35 attendees participated in the event.</p>
<p>EMS Training Programme on Proctor Module and Extracting CO-PO/PSO Attainment Reports</p>	<p>Training Session on Proctor Module and Extracting CO-PO/PSO Attainment Reports was held on 5th November 2022. This was attended by 37 participants. The objective was to apprise the respective department EMS coordinators about the Proctor Module developed on EMS for Mentor-Mentee interactions and record assessment. In the second session CO-PO/PSO Attainment report generation were discussed to obtain the direct and indirect attainment. The coordinators were further advised to impart training to other faculty members in the department.</p>

<p>One day Workshop on Virtual Labs for Science and Technology</p>	<p>IQAC in collaboration with IIT Delhi organised a one day workshop on Virtual Labs on 9th November 2022. The experts for the workshop were Mr. Prateek Sharma, Mr. Arpit Sharma and Mr. Chirag Dey. Total 16 Faculty members and 396 students attended the workshop. In this workshop, they demonstrated available simulation modules and briefed about new developed modules on virtual lab platform.</p>
<p>Professional Development Program on Role of Effective Filing System for Quality Assurance</p>	<p>For Administrative Staff, the Professional Development Program on Role of Effective Filing System for Quality Assurance held on 10th November 2022. The session was taken by Dr. Shobha Srivastava (Deputy Registrar-Administration). The programme focussed on arranging the records in the systematic way for comprehensive files for future use. A total of 19 participants benefited from the programme.</p>
<p>Faculty Development Programme on NEP 2020: Dimensions and Recommendations in context of HEI</p>	<p>IQAC arranged Faculty Development Programme on NEP 2020: Dimensions and Recommendations in context of HEI to aware the participants about policies and major elements of NEP. The Resource person Dr Naresh Grover, PVC MRIIRS talked about various elements mentioned in the policy of NEP and its effective implementation's session was attended by 61 participants from different faculties of the Institute.</p>
<p>Faculty Development Programme on Outcome-Based Skill/ Interdisciplinary Education as per NEP</p>	<p>Faculty Development Programme on Outcome-Based Skill/ Interdisciplinary Education as per NEP was held on 21st November 2022. Dr. Naresh Grover-PVC, MRIIRS discussed about conducive learning environment through skill-based education. A total of 54 participants attended the session.</p>
<p>Short Term Course on Effective Curriculum Implementation</p>	<p>IQAC in association with NITTTR Chandigarh organised 5 days Short Term Course (STC) on Effective Curriculum Implementation from 12th December 2022 to 16th December 2022. The objective of the STC was various aspects of curriculum design and its effective implementation in delivery of courses' was also emphasized on Bloom taxonomy, preparedness of Course outcomes Three sessions per day was arranged for the participants. The resource persons were Dr. A B Gupta, Dr. Sanjeev Gupta, Dr. G S Sethi and Dr. Anil Kumar from NITTTR Chandigarh. A total of 19 participants attended the STC.</p>

<p>Online Workshop on Understanding Misconduct: Fabrication, Falsification and Plagiarism-Orientation Towards Quality Research</p>	<p>In association with Dr. O.P. Bhalla Central Library, IQAC conducted Online Workshop on Understanding Misconduct: Fabrication, Falsification and Plagiarism-Orientation Towards Quality Research on 27th December 2022. The keynote speaker was Dr. Ramesh C. Gaur, Director-National School of Drama. The aim of the workshop was to apprehend the faculty members for real fabrication of research material and honest writing of manuscript. A total of 337 participants attended the workshop.</p>
<p>Awareness Program on Quality Services of INFLIBNET</p>	<p>IQAC in collaboration with Dr. O.P. Bhalla Central Library Organised Awareness Program on Quality Services of INFLIBNET by Dr. J. P Singh Joorel, Director-INFLIBNET on 6th Jan 2023. The session emphasized on various library software available for research material access. He also discussed faculty and student skill enhancement portals such as SWAYAM and ARPIT. A total 64 participants attended the workshop.</p>
<p>Session on Library Management System and Resources</p>	<p>Session on Library Management System and Resources was organised on 10th Jan 2023. The resource person of the session Dr. Rajesh Kumar, University Librarian apprised the audience about the benefits of using Online Public Access Catalog (OPAC). A total of 53 participants attended the session.</p>
<p>Awareness Program on Library Management System and Remote Access of Resources</p>	<p>An Awareness Program by Dr. Rajesh Kumar Jha, University Librarian on "Library Management System and Remote Access of Resources" was held on 11th Jan, 2023. The session was attended by 17 participants. The objective was to increase the usage of research material access using Online Public Access Catalog (OPAC).</p>
<p>Workshop on Examination Processes through EMS: Updated Modules/Dashboards</p>	<p>Workshop on Examination Processes through EMS: Updated Modules/Dashboards was conducted on 17th Jan 2023. Central Team EMS Coordinators Mr. Vinay and Mr. Anil Kumar was the resource person of the workshop. The workshop was attended by respective departmental examination coordinators. The aim was to apprise the department faculty members about updated modules of Examination on EMS. A total of 9 participants attended the workshop.</p>

<p>Code of Conduct and Professional Ethics- Part I</p>	<p>Session on Code of Conduct and Professional Ethics was conducted in two parts-Part I and Part-II. Part -I was conducted on 24th Jan,2023 for Faculty members of Computer Applications and for Faculty members of Engineering and Technology. Mr. R. K. Arora, Registrar MRIIRS was the resource person. The objective of the session was to inform the audience about general norms and responsibilities of an individual in an organization. Part-I was attended by 106 Participants.</p>
<p>Code of Conduct and Professional Ethics- Part II</p>	<p>On January 25, 2023, Part-II of A Code of Conduct and Professional Ethics session was held for the faculty of the dental and non-engineering departments. The resource person was Mr. R. K. Arora, Registrar MRIIRS. The session's aim was to apprise the audience about fundamental guidelines and responsibilities of an individual for an organisation. A total of 149 participants attended the session.</p>
<p>Session on CO-PO Attainment and Research Ethics</p>	<p>IQAC organised an Awarenessprogramme on CO-PO Attainment and Research Ethics on 27th Jan 2023. Dr. Naresh Grover, PVC-MRIIRS was the keynote speaker of the programme. The programme was based on process to analyse the CO attainment of the Course and PO attainment of Programme. After the session on CO-PO Attainment, further the session was on Research Ethics. Session was attended by 176 faculty members.</p>
<p>Pedagogical Framework for Active Learning: Flipped Classrooms/Problem Solving Based/Collaborative Learning</p>	<p>Session on Pedagogical Framework for Active Learning: Flipped Classrooms/Problem Solving Based/Collaborative Learning was arranged for faculty members of MRIIRS. Dr. Sanjay Srivastava-MRIIRS and Dr. Naresh Grover-MRIIRS was the resource person. The outcome of the session was effective teaching and learning through flip classes, project-based learning and through peer-assisted learning.A total of 118 participants attended the session.</p>
<p>Short Term Course on Guidance, Counselling and Mentoring skills</p>	<p>IQAC in association with NITTTR Chandigarh organised 5 days Short Term Course (STC) on Guidance, Counseling and Mentoring skills from 27th March 2023 to 31st March 2023.The resource persons was Dr. P.K Singla (Program Coordinator) ,Dr. Vidhu Mohan ,Dr. Amandeep Kaur, Ms. Manisha Gupta and Dr. Sunil Dutt from NITTTR Chandigarh . The speakers covered the topics related to role of mentors towards mentees, Counselingand also requirement of SWOT (strengths, weaknesses, opportunities, and threats) anlysis in mentoring. A total of 45 faculty members benefited from the 5 Days STC.</p>

<p>EMS Training Programme on Generating Admit Cards for Sessional Examination</p>	<p>Training Programme on Generating Admit Cards for Sessional Examination on EMS was held on 18th April 2023. The session was taken by EMS Coordinators Central team Mr. Vinay and Mr. Dain d Thomas to explain the procedure and setting of parameters of generating admit cards for sessional exams through EMS. The Training was attended by 23 participants.</p>
<p>Awareness Program on Paperless Admission System</p>	<p>Awareness Program on Paperless Admission System was arranged on 18th April 2023 for teaching and non-teaching staff members. The resource person for the session was Dr. Naresh Grover, PVC-MRIIRS. The program was organised to apprise the members about step-by-step procedure of paperless admission procedure through EMS for faster and accurate information storage of data. A total of 45 participants attended the session.</p>
<p>EMS Training Session on Marks Uploading for Regular, PSC, Supplementary and Open Elective Examination</p>	<p>Training Session on Marks Uploading for Regular, PSC, Supplementary and Open Elective Examination on EMS was taken by EMS Coordinators Mr. Vinay Rao, Mr. Dain D Thomas and Mr. Anil Kumar on 27th April 2023. The training was provided on selection of parameters for uploading the marks on EMS. A total of 16 participants attended the training.</p>
<p>EMS Training Session on Examination Module: Fetching Examination Report</p>	<p>Training Session on Examination Module: Fetching Examination Report through EMS was held on 6th May 2023. The training was provided by Mr. Vinay Rao and Mr. Dain D Thomas -Central Team EMS Coordinator's hands on training session for fetching of examination reports through EMS was provided to departmental exam coordinators to apprise the faculty members of the department. The training was attended by 17 faculty members.</p>
<p>EMS Training Session on Updated Examination Module: Setting ESE Evaluation Parameters and Uploading of ESE Marks</p>	<p>Training Session on Updated Examination Module: Setting ESE Evaluation Parameters and Uploading of ESE Marks on EMS were provided by Mr. Vinay Rao, Central Team EMS Coordinator. This training was organised for uploading the End semester examination marks by selecting required evaluation parameters to obtain the correct end semester examination marks reports through EMS. The training was provided to members of Exam Branch and staff members involved in Evaluation of End semester Examination Centre. A total of 15 staff members attended the training</p>
<p>EMS Training Session on Generation of End Semester Examination Seating Plan, Admit Card and Cut List through EMS</p>	<p>Training Session on Generation of End Semester Examination Seating Plan, Admit Card and Cut List through EMS were provided by Mr. Vinay Rao, Central Team EMS Coordinator on 10th May 2023. The salient features of generating admit cards, examination seating plan and cut list through EMS were discussed in the training. A total of 16 participants attended the training.</p>

<p>Workshop on Usage of Updated Modules of Virtual Labs for Advanced Learners</p>	<p>Workshop on Usage of Updated Modules of Virtual Labs for Advanced Learners in collaboration with IIT Delhi was held on 11th May 2023 for Advance learners and faculty members of all engineering branches and Computer applications. The workshop was conducted by Mr. Arpit Sharma and Mr. Chandan Kumar, Experts from IIT Delhi. The students gained knowledge on updated and new modules developed on Virtual Labs related to their field. A total of 5 faculty members and 115 students from engineering and computer applications attended the workshop.</p>
<p>EMS Training Session on Paperless and Single Desk Operations of the admission system</p>	<p>Training Session on Training Session on Paperless and Single Desk Operations of the admission system doe AY 2023-24 were provided by Dain D Thomas, Central Team EMS Coordinator on 12th May 2023. The salient features of EMS portal for paperless admissions and having single desk admission process was discussed by the speaker. A total of 17 participants attended the training.</p>
<p>Awareness Program on Revised Parameters of NAAC Accreditation for Academic Integrity</p>	<p>Awareness Program on Revised Parameters of NAAC Accreditation for Academic Integrity was held on 19th May 2023. The Resource person for the programme was Dr. Naresh Grover, PVC-MRIIRS. The objective of the programme is to provide awareness among the faculty members regarding new benchmarks of NAAC Accreditation. A total of 66 faculty members attended the Awareness programme.</p>
<p>Workshop on ABET Accreditation</p>	<p>Workshop on ABET Accreditation was held on 23rd May 2023 for faculty members of MRIIRS and MRU. The expert for the workshop was Dr. K. G. Srinivasa from Department of CSE -,IIT Raipur .In this introductory workshop ,faculty members of Computer science Engineering were apprised about the performance indicators of ABET accreditation. A total of 35 faculty members attended the workshop.</p>



**Faculty Induction Programme
(15-10-2022 & 18-10-2022)**

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Faculty Induction Programme (15-10-2022 & 18-10-2022)



Faculty Induction Programme (15-10-2022 & 18-10-2022)



Faculty Development Programme on Outcome-Based Skill/ Interdisciplinary Education as per NEP (21-11-2022)



Awareness Program on Quality Services of INFLIBNET (06-01-2023)

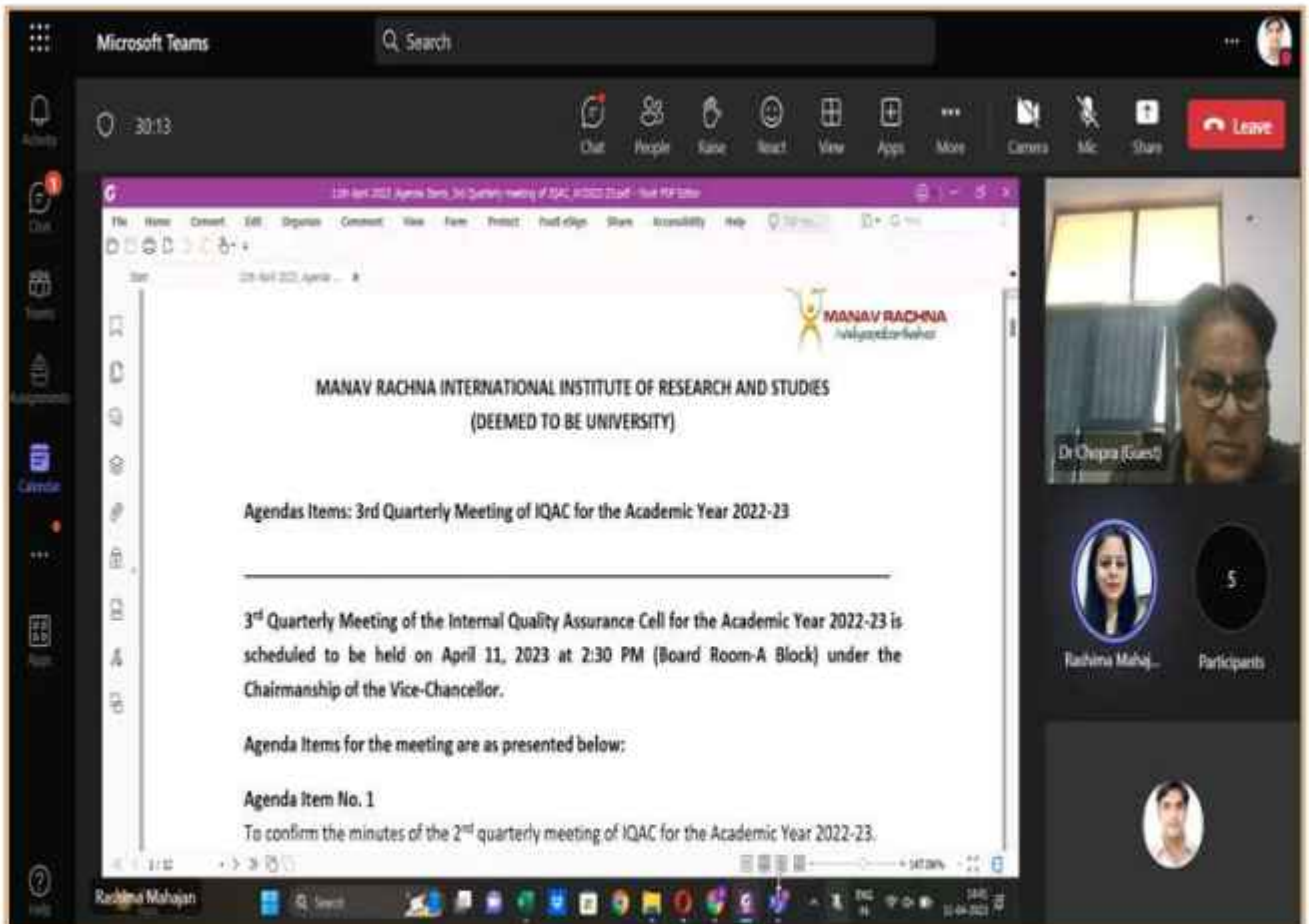


NPTEL Awareness Workshop

B. IQAC Meetings

During the year 2022-23, IQAC meetings for all the four quarters were held (first meeting on 30th September 2022, second meeting on 23rd January 2023, third meeting on 11th April 2023 and fourth meeting on 28th July 2023) in which representatives of all stakeholders including experts from industry were invited. The detailed proceedings and Action taken reports are available on the MRIIRS website for all the stakeholders.







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GPS Map Camera
Faridabad, Haryana, India
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121003, India
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Long 77.283644°
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C. Major Quality Initiatives Under taken by IQAC

a. Accreditation and Rankings: NAAC Accreditation

Manav Rachna International Institute of Research and Studies and everyone associated is elated on being the first and only private university in Delhi-NCR to be awarded the prestigious NAAC 'A++' Accreditation. This accreditation is valid for the next five years, starting from February 20, 2023. The NAAC peer team visit was held at MRIIRS from 15th to 17th February 2023. The comprehensive evaluation included an in-depth analysis of the Institutional Grade sheet, encompassing 34 key indicators and 15 total metrics (with 36 qualitative and 79 quantitative components). Notably, MRIIRS excelled in 14 key indicators with a score of 100% and achieved a remarkable 90-100% score in 12 key indicators.













b. NBA Accreditation

MRIIRS has successfully completed the NBA accreditation process for its MBA program, securing accreditation for a duration of three years, spanning from the academic year 2021-22 to the academic year 2023-24, and falling under Tier-I.

Furthermore, two of MRIIRS's B.Tech programs, Computer Science and Engineering, and Biotechnology, have also received renewed accreditation from the NBA in 2023. This accreditation is also valid for three years under Tier-I.

c. Participation in Time Higher Education (THE) IMPACT Ranking 2023

MRIIRS has participated in Time Higher Education (THE) IMPACT Ranking 2023. The university has been ranked 35th in India and is ranked in the 801-1000 band globally. As per the Rankings released by THE during the first week of June 2023, MRIIRS has been ranked among the top 200 globally for clean water and sanitation (SDG-6), among the top 300 for the Sustainable Goal of Zero Hunger (SDG-2) among the top 600 for SDG5 – Gender Equality and SDG 3: Good Health & Well Being.

SDG Details	Global Rank	National Rank	State Rank	NCR Rank
SDG-2: Zero Hunger	Rank Band 201-300	5 th	1 st	1 st
SDG-3: Good Health & Well Being	Rank Band 401- 600	11 th	3 rd	2 nd
SDG-5: Gender Equality	Rank Band 401- 600	12 th	2 nd	3 rd
SDG-6: Clean Water and Sanitation	Rank Band 101-200	9 th	1 st	1 st

**Manav Rachna International Institute of Research and Studies
Establishes a Symbiotic Milestone in**





1st
in Delhi-NCR/Haryana


9th
in India

**SDG 6
CLEAN WATER
AND SANITATION**

AMONGST
TOP 200 GLOBALLY

**Ensure Access
to Water
and
Sanitation for
All and
Sustainable
Management
of Water**

**End Hunger,
Achieve
Food Security
and Improved
Nutrition and
Promote
Sustainable
Agriculture**



1st
in Delhi-NCR/Haryana

5th
in India

**SDG 2
ZERO HUNGER**

AMONGST
TOP 300 GLOBALLY

Ensuring
Healthy
Lives and
Promoting
Well-being for
All is Essential
for Sustainable
Development



2nd
in Delhi-NCR

3rd
in Haryana

11th
in India

SDG 3 GOOD HEALTH
& WELL-BEING

AMONGST
TOP 600 GLOBALLY



2nd
in Haryana

3rd
in Delhi-NCR

12th
in India



SDG 5 GENDER
EQUALITY

AMONGST
TOP 600 GLOBALLY

Achieve
Gender
Equality
and Empower
All Women
and Girls

d. Participation in NIRF – India Ranking 2021 and 2022

Data collation for NIRF was completed and details were uploaded on the NIRF portal. MRIIRS got prestigious NIRF Ranking 2023 as follows:

Engineering Category: Band 101-150

University Category: Band 101-150

e. QS Ranking 2023

Manav Rachna International Institute of Research and Studies has entered the QS University Rankings (Asia) 2023 (701-750 Band) and has secured a place on the basis of the quality maintained in Academics, Faculty-Student Ratio, International Faculty Ratio, International Students Ratio, and International Research Network.

MRIIRS has also established a position in QS International Trade Rankings (151-175 Band).



The image shows a celebratory graphic for Manav Rachna International Institute of Research and Studies. At the top, it features the institute's logo and an A++ NAAC accreditation badge. The central text reads "Enhancing. Strengthening. Growing." Below this, the institute's name is prominently displayed in red. The main announcement states that the institute "Establishes a Position in" the QS International Trade Rankings, specifically in the 151-175 Band. The graphic is decorated with gold stars and confetti.

**MANAV
RACHNA**
vidyanatariksha

**A++
NAAC**

*Enhancing.
Strengthening.
Growing.*

**Manav Rachna International
Institute of Research and Studies**

Establishes a Position in

QS **INTERNATIONAL
TRADE
RANKINGS**

(151-175 Band)

The National Education Policy 2020 makes a call to action for all Indian universities to become digitally mature universities. Digital Maturity Framework survey was conducted by QS in collaboration with AWS and Intel during the month of March 2023 and MRIIRS has attained **overall level (L3-Digitally Advanced) with Quality Assurance and Professional Development Parameters rated as level 4 with full scores.**

f. ISO Certification and Environment & Green Audit:

1. **Energy Management System** of MRIIRS is ISO 50001:2018 certified since July 22, 2022 and **Environment Management System** of MRIIRS is ISO 14001:2015 certified since July 04, 2022 by BQC Assessment Private Limited.





ASSESSMENT

CERTIFICATE

This is to certify that the
Environmental Management System of

**Manav Rachna International Institute of Research and Studies
(Deemed-to be-University)**

Sector – 43, Delhi–Surajkund Road, Faridabad – 121004, Haryana, India

has been found to comply with

ISO 14001:2015

This certificate is applicable to the following scope:

Education, Research, Training, Consultancy and Auxiliary Services

Certificate No :: I-ESC202207005

Date of Initial Registration	04 July 2022
Surveillance Audit on/before	04 June 2023
Certificate Expiry	03 July 2023
Recertification Due	03 July 2025

*The scope is as per IAF Code : 37



Authorized Signatory
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BQC Assessment Pvt. Ltd. is accredited by International Accreditation Services (IAS), United States of America vide MSCB Number 124. Accreditation details are available with IAS, (International Accreditation Service) Inc. USA, at www.iasonline.org. The validity of this certificate can be verified at www.bqcass.com or through www.iso9001.com. Address: 202, 1st Floor, Gurgaon, Sector 14, Gurgaon - 122001. This certificate is the property of BQC Assessment Pvt. Ltd. and must be returned on request.

MANAGEMENT SYSTEM CERTIFICATE

2. Conduct of Environment and Green Audit: Environment and Green Audit was conducted by the certification body BSCIC certifications Pvt. Ltd. in the month of April 2022. The certificate of Green and Environment Audit was issued to MRIIRS on July 22, 2022, after assessing the campus on following parameters:

- Waste minimization and recycling
- Greening -Energy Conservation
- Water Conservation
- Clear Area
- Animal Welfare
- Environmental Legislative and
- General Practices

g. E-Governance initiatives taken during AY2022-23:

Manav Rachna International Institute of Research and Studies (MRIIRS) has subscribed to a comprehensive Cloud based EMS (Education Management System) from M/s iCloud EMS (since AY2017-18), Pune which provides integrated solution to enhance and digitize the processes including Admission, Fee, Student's academic life cycle, Transport, Hostel, Feedback, Grievance, Recruitment & HR processes and other administrative operations in the university through its web & mobile based applications. Apart from i-cloud EMS, multiple software's have been procured as per the requirement in different domains.

e-Governance prescribe policies and practices of the university in the matter of planning, implementation and offering of services through electronic-mode in the various areas of University Governance including administration, academics, examination, human resources, recruitment, training, performance appraisal, financial management, admission, placement, student and stakeholder support for efficient service delivery, improved productivity and transparency. MRIIRS encourages Academic and Central Units of the University to work and provide services more efficiently through Paperless Administration across the University with an objective to enable the Stakeholders of the University to avail most of the services in online mode with improved transparency in services and accountability in records. IT Department, MRIIRS acts as a nodal centre for the implementation of E-Governance across the University. For successful implementation of e-Governance, training programmes are conducted for teaching and non-teaching members of MRIIRS by IQAC, MRIIRS.

During AY2022-23, multiple e-governance initiatives were taken including:

- Implementation of Paperless Admission system on EMS to support the process of admission and reduce the consumption of paper.
- Implementation of Student Exam History Module on EMS: Student can track his/her record of examinations (Main/Reappear/PSC/Revaluation) in which he/she has previously appeared.
- Implementation of module for course registration and course mapping process for NPTEL courses on EMS: In addition to the already available result import module for NPTEL courses opted by students, EMS coordinators can now do course registration and course mapping for such courses just like regular courses.

- Implementation of Fee Clearance Module on EMS for scholarship holders, to allow students, with pending dues in case of Loan/Bihar Credit/Scholarship, for course registration admit-card generation and grade-card generation.
- Incorporation of consolidated transcript report (TR) on EMS: Transcripts of the students can now be generated through EMS.
- Upgradation of One Time Password (OTP) facility to enhance the security features of EMS by providing the IP address of the system, through which a user is trying to login his/her EMS account, along with the OTP.
- Upgradation of EMS examination module related to
- generation of course-wise detained list for sessional examinations also based on attendance in a particular course. Initially, it was available only for the End Semester Examination.
- Incorporation of minimum passing eligibility criteria on EMS:
- End Semester Examination detention list is created based on minimum attendance criteria and minimum passing marks in Continuous Internal Assessment.
- Final Grades are declared based on Continuous Internal Assessment and considering minimum passing marks criteria of End Semester Examination.
- Incorporation of all three parameters, Absent/Detained/Malpractice, in internal as well as End Semester Examination.
- Upgradation of Study Scheme Maintenance Module: Central EMS coordinators are now able to add the study scheme of a course to all the programmes having same course code.
- Upgradation of Parent's Login on EMS: All parents can access all the EMS modules through their account and track the performance of their wards, including generation of admit cards and grade cards
- Upgradation of Container facility for Reappear and PSC Courses: Container facility is now incorporated for PSC and reappear courses.
- Upgradation of range-wise attendance report to obtain the student count and percentage of students having attendance less than or more than a particular value (0-60%, 60-65%, 65-69%, 70-75% etc.)
- Circulars and notifications on official E-mail IDs through EMS: Important information/circulars are being shared with all the students/faculty members/staff members by the competent authorities by posting them through Circular Module and the same can now be sent to their official E-mail IDs through EMS.
- Incorporation of following facilities to enhance blended learning:
- An increasing trend in student Enrollment and beneficiaries in terms of credit transfer for SWAYAM/NPTEL courses has been witnessed during the AY2022-23.
- Swayam Local Chapter of MRIIRS is amongst the TOP 100 Local chapters of India and is at 67th Rank with "A Grade" out of 5594 Local Chapters in Indian and 2nd in Haryana, Session Jan-Jun 2023.
- To enhance the conceptual understanding of the students, experiments were conducted using Virtual labs.
- In July-Dec 2022, 2093 students used 12 Virtual labs and a total of 12 experiments were conducted in these labs.
- In Jan-June 2023, 1797 students used 19 Virtual labs and a total of 19 experiments were conducted in these labs.

h. Conduct of Academic and Administrative Audit (AAA) and Stakeholders Feedback for AY2021-22

1. Conduct of Academic and Administrative Audit for AY2020-21: As per the laid down policy of MRIIRS, Academic Audit of each department was conducted where external auditors were invited from various reputed academic institutions and suggestions were implemented by the departments concerned. Academic Audit of all the teaching units and Administrative Audit of central units under six clusters was held during Aug-Sep 2022 for AY 2021-22. Audit reports and respective ATRs were discussed during the 1st Quarterly meeting of IQAC for AY 2022-23 held on Sep 29, 2022.



Conduct of Audit of Bio-Tech Department, Nov 2022





Conduct of Audit of CSE Department Department, Sep 2022



2. Conduct of Stakeholders Feedback for AY 2021-22: Feedback from various stakeholders for AY 2021-22 was collated through i-cloud EMS in the form of Student Course Feedback; Student Satisfaction Survey comprising Feedback on Curricula and Generic Facilities; Alumni Feedback on Curricula; Employer/Industry Expert Feedback on Curricula and Faculty Feedback on Curricula. The feedback analysis reports, action to be taken reports on the suggestions received through stakeholder feedback and recommendations of central committee on Feedback on Curricula and Feedback on Campus Life were reviewed during the 3rd quarterly meeting of IQAC for AY 2022-23 held on April 11, 2022. The approved recommendations were shared by IQAC with all the departments on 17.04.2023 for subsequent actions. The Action Taken Reports of all the departments (academic and administrative) were discussed during the meetings of Central Committee on Feedback on Curricula and Feedback on Campus Life held on 01.07.2023. The consolidated Annual Feedback Reports of Central Committee on Feedback on Curricula and Feedback on Campus Life incorporating Action Taken Reports of all the departments were deliberated during the 4th Quarterly meeting of IQAC for the AY 2022-23 held on 28.07.2023 and got approved in the 40th meeting of Executive Council held on 25.10.2023.

5.2 Career Development Centre (CDC)

CDC at MRIIRS, engages with the industry and constantly strives for expanding the industry-academia interface. MRIIRS is accorded with the profound responsibility skills of the students-an aspect that in today's world has taken as much prominence as the technical knowhow. Through a robust mechanism training is imparted in Personality Development, Communication & Soft Skills, Verbal Ability, Quantitative & Reasoning Aptitude, spread across semester, as an embedded part of every course available at MRIIRS.

Employability Training, Assessments & Preparation for placement

CDC has partnered with prominent skills assessment platforms to facilitate comprehensive Training Need Analysis for students. These assessments cover various aspects of employability skills, enabling a thorough evaluation of their capabilities. Furthermore, before the commencement of the placement season, crash courses and industry-specific training sessions are organized to equip students with the necessary skills and knowledge required to seize placement opportunities effectively. This proactive approach ensures that students are well-prepared and confident in facing potential job placements.

CDC operates on the following philosophy :

- Engage in intelligent self-assessment to discover and understand personal attributes, such as skills, values, strengths, motivations, and more.
- Explore into market opportunities to make well-informed and wise career choices.
- Identify and narrow the gap between industry and academia.
- Develop a compelling action plan, including assistance in creating effective resumes, cover letters, and preparation for personal interviews.
- Provide mentorship to students to secure placements in the companies of their preference.



Coaching and Mentoring Aptitude & Personality Development

The Dept. provides extensive process oriented, and activity driven training on Personality Development, Business Communication, Business English and Aptitude Development. These trainings are delivered in two formats - Regular Semester coaching and Crash courses.

Program Structure	
First Year	: Professional Communication, Communication
Second Year	: Aptitude, Reasoning, Personality Development & Communication Skills
Third Year	: Aptitude, Reasoning, Personality Development
Fourth Year	: Employability Augmentation – Cognitive, Group Discussion & Personal Interview
Crash Course	: Company Specific Programs on Aptitude, VAT, GD & PI

Curriculum & Delivery Approach

a. Curriculum Design & Development

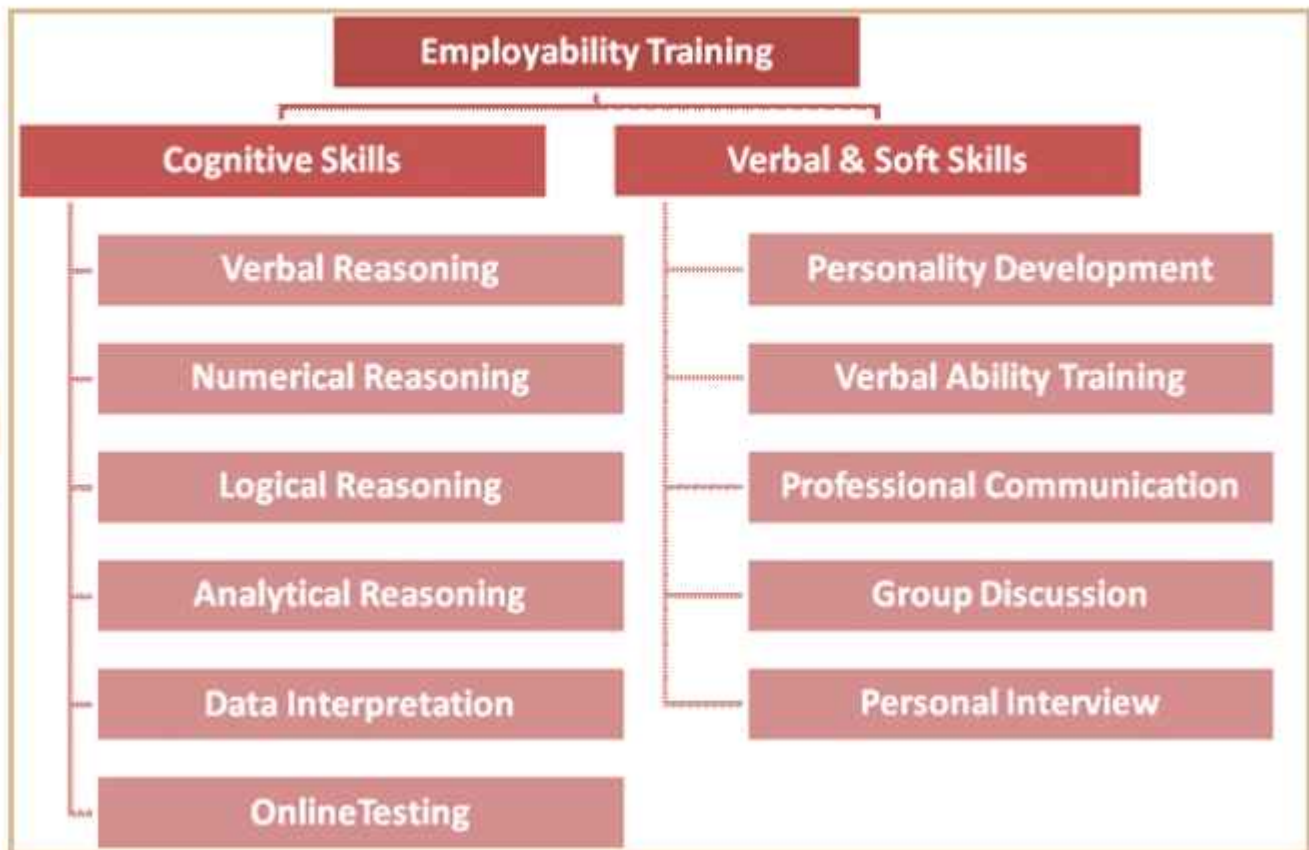
● Focus: To bridge Industry – Academia Gap
● Consultation with Industry Experts, Students, Employers and Faculties
● Revision of Curriculum as per latest Industry requirements
● Linked to description of learning outcomes & quality assurance taking into account Bloom's Taxonomy

b. Delivery Approach

● Customized Training Plans for various programmes
● Proper focus & Extra hand holding to slow learn
● Quizzes & Events
● Case Study Analysis
● Self-paced learning
● Experiential Learning
● Video Based Learning
● Use of technology & software to support learning

c. Teaching Aids

● Handbooks
● Power Point Presentation
● Online Mock Tests
● Online Assignments
● Audio-Visual Aids
● Case Studies



Communication Gym

Communication is the life blood of any transaction, that takes place in the world and hence communication ability is the most sought-after non-academic skill by employers all over the World – irrespective of the industry or the job profile. Whether it is about being able to grasp what is being taught in the class, or appearing for an interview during recruitment or amalgamating well in a workplace, a person with appreciable communication skills is often seen surpassing his counterparts with lesser degree of interaction capabilities.

Manav Rachna in collaboration with **Vision Net** devised an integrated, one-of-its-kind Language Lab for providing its students state of the art facilities to make communication enhancement exercises engaging and fun-filled. This language Lab called the “Communication Gym” is equipped with interactive software that helps in providing individualized teaching to students, depending on their capabilities.

The Communication Gym **uses a unique blend of Trainer-Led and Self-Led Learning.** This methodology exposes the learner to both real-life scenarios and situational learning using simulation techniques, coupled with cutting-edge technology and multimedia rich content. Manav Rachna is proud to bring this feature to its students and ascertain that it will help them to gain the much required edge in this competitive World.

5.2.1 Highlights of few sessions organized by CDC MRIIRS

a. AMCAT ORIENTATION & ASSESSMENTS

Team CDC is committed to enhancing employability and preparing students for placements. AMCAT assessments play a very crucial role in enhancing the job prospects of students, it also helps the department in training need analysis of students.

CDC conducted a series of **AMCAT Awareness Sessions** for the students of **B.Tech, MBA and MCA over the entire Academic Year of 2022-23**. This was followed by a comprehensive **AMCAT** Assessment of students' critical employability skills like logical reasoning, quantitative skills, communication, reasoning, personality traits, and domain skills.



b. LEVERAGING LINKEDIN LEARNING

LinkedIn Learning has been integrated in the academic curriculum of students. On Tuesday, 13th December 2022, CDC MRIIRS conducted an orientation session, "Leveraging LinkedIn Learning - A Step Forward", for 1st Year students, with the experts from LinkedIn. The enriching session across the university was received well by one and all. Team CDC also organized an online session on "Secrets of Profile Building on LinkedIn", for faculty members. The expert for the session was Ms. Aanchal Chopra, North Regional Head for Academics & Government at LinkedIn. She was accompanied by Mr. Kunal Godinho, Account Director, LinkedIn Talent, and Learning & Engagement Solutions.



c. SamkalpVedhik IAS Academy

SamkalpVedhik IAS Academy is an organization for coaching aspirants for UPSC Civil Services Examination and other Government Exams. To counsel and apprise students about the competitive examination, sessions were conducted on 2 November 2022 and 14 December 2022 by eminent IAS officer Dr. G Prasanna Kumar, Former Chief Secretary Haryana & President, Sankalp Vedhik IAS Academy and Dr. Babu Sebastian Former VC, MG & Kannur Universities & Chancellor, Sankalp Vedhik IAS academy.



d. Coding Blocks

To assess the technical competencies, CDC conducted a Hackathon cum Diagnostic Test on Tuesday, 31 January 2023, in collaboration with the Coding Blocks Team.

CDC also organized an interaction with the Coding Blocks Team, for BTech, BCA & MCA students, on 21 Feb 2023, to strengthen the technical skill sets. The Team included Mr. Kartik Mathur, Co-Founder & Academics Head, Mr. Monu Kumar, Java Practice Head, and Mr. Hardik Vashista, Marketing Head. They interacted with the students and discussed the importance of Coding and Data Structure & Algorithms (DSA) in their career development. They emphasized the importance of building a strong profile on different coding platforms like Leetcode, Codeforce etc. The session was very well accepted and the students participated with a lot of enthusiasm.



e. CDC ORIENTATION FOR 1ST SEMESTER STUDENTS SEPTEMBER 2022

Career Development Centre (CDC) conducted Orientation for the 1st Semester students of MRIIRS, wherein CDC's Vision & Mission were shared alongwith details of CDC offerings. The session began with an inspirational story of the world's first Surgeon, who never saw the face of school; Dr. Hamilton Naki. The story set the tone of the session and the fact that; How a single YES can change one's life. Importance of "BRAND YOU" was shared. The students were motivated to think big and devise day-to-day goals to achieve success in life. Students were also apprised of the Assessment partner, AMCAT, to assess and showcase the students' skills.



f. Crash Course / Refresher Courses

CDC conducts a series of Pre – Employment Crash Courses for senior semester students, to revisit and reinforce the concepts they learned during their semester classes. This is especially helpful for subjects or skills that are crucial for their chosen career paths. In addition to technical knowledge, these courses also focus on soft skills such as communication, teamwork, and leadership, which are often evaluated in interviews.

These courses also include interview tips, practice sessions, and guidance on how to create a strong resume and cover letter, giving students a competitive edge. We conduct mock interviews and provide constructive feedback to help students become more comfortable with the interview process and improve their performance.

Overall, Pre-employment crash courses are a valuable resource that help senior semester students to prepare for the transition from academia to the workforce. By enhancing their knowledge, skills, and confidence, these students are better equipped to succeed in campus interviews and secure promising job opportunities.



Crash course on Verbal Ability



A mock interview in progress



Team CDC

5.3 Corporate Resource Centre (CRC)

The Campus Recruitment Program at MRIIRS, Faridabad gives an opportunity to the institute to showcase its talent pool to the corporate world and for corporates to reiterate their confidence in recruiting from the University. This year the CRC department commenced its placement session from **August' 22 for the 2022-23 batch**. Over 187 organizations from across sectors such as Consulting, Information Technology, Automobile/Automotive, Infrastructure, Manufacturing, Telecom, E commerce, banking and Retail confirmed their participation for the Campus Recruitment Program 2022-23. The companies that came to the campus offered diverse profiles across verticals and functional domains.

The drive that started from **August 2022** has witnessed several first-time recruiters in addition to who visit MR campus year after year. Keeping the average performing students' in the mind CRC department has also invited those companies that have the diluted criteria. The first time recruiters includes: Anand Rathi Group, Appicate IT Solutions, BITCS, BlackNGreen, Advance Mobile Solutions, Brillio, Care Health Insurance, Celebal Technologies, Christian Pfeiffer, Credex Technology, DBS Tech India (DBS Bank), Escorts Kubota Limited, ETA Engineering Pvt Ltd, Euler Motors, Indegene, Intellewings, JSW Group, Lumiq, Lutron India, MAQ Software, Mu Sigma, Orion Credence Solutions Pvt Ltd, PhysicsWallah , Reliance Brands Limited, Skyleaf Consultants, Solvexis Consulting Pvt Ltd, SoulSurfer, Tata AIG, TechMatrix Consulting, Toothsi, Ui Path, Unimrkt, Uno Minda Group, Vegazva Group, Zimyo Consulting, Zoxima Solutions Pvt. Ltd.

They have actively contributed to strengthening their long standing ties with Manav Rachna. The recruiters were genuinely appreciative of the arrangements and applauded the quality and skill set of participating students.

It is heartening to note that the highest CTC offered to the batch graduating in 2022-23 stood at INR 21.00 LPA.

Prominent Placements 2022-23 Batch :

Company Name	CTC (Rs LPA)	No. of selected Students
Headout	21	1
Tourlandish Online Ventures Private Limited (Headout)	20	1
American Express	16.78	1
DBS Tech India (DBS Bank)	10.8	3
EX Squared Solutions India Pvt. Ltd.	9	2
Intellewings	9	1
Intellipaat	9	2
S&P Global	9	1
Ui Path	9	2
Honda Motorcycle & Scooter India Pvt Ltd	8.5	3
BITCS	8	1
Fidelity International	8	4
Lumiq	8	2
Enord Pvt. Ltd	7.5	1
MAQ Software	7.5	1
Gemini Solutions	7.2	6
JSW Group	7	1
NCR Corporation	7	1
British Telecom	6.92	2
Applicate IT Solutions	6.9	2
Jaro Education	6.78	3
Celebal Technologies	6.5	7
Keyence India Pvt Ltd	6.3	1
Avizva Solutions Pvt Ltd.	6	8
Brillio	6	4
CyberCube Services Pvt. Ltd	6	2
Hexaview Technologies	6	2
KPMG India	6	1

Nokia	6	10
Yamaha Motor Solutions	6	1
Legato Health Technologies	5.76	6
Tata AIG	5.75	1
Anand Rathi Group	5.5	3
Axeno Consulting Private Limited	5.5	7
BlackNGreen Advance Mobile Solutions	5.5	1
GlobalLogic-Hitachi	5.5	5
Inflection Point Ventures	5.4	4
T-Systems	5.4	1
SRVA Education	5.1	1
Credex Technology	5	2
Escorts Kubota Limited	5	1
Euler Motors	5	1
Mu Sigma	5	2
PhysicsWallah	5	1
Solvexis Consulting Pvt Ltd	5	4
Sonalika International Tractors Ltd	5	1
SoulSurfer	5	2
TechMatrix Consulting	5	2
Zoxima Solutions Pvt. Ltd	5	1
ADP India	8.00 & 6.00	15
Hike Education	6.42 & 5.82	7
Capgemini	7.50 & 5.75 & 4.25	68
TCS	7.00 & 3.36	11
HCL Technologies	4.25	17
Wipro HR Services India Pvt Ltd	3.08	16
Comviva	3.75	11
Prolifics	4	12
Ericsson	3.75	10



Team CRC

5.4 International Education Center (IEC)

IEC is a constituent facilitation unit of Manav Rachna International Institute of Research and Studies (MRIIRS), formerly Manav Rachna International University (MRIU) which primarily looks after all matters relating to initiation, development, establishment and sustenance of relationships and tie-up with Foreign Education providers and their representatives in India and abroad. With its global outlook and reach, MRIIRS has much to offer in the way of learning opportunities both inside and outside the classroom at Under Graduate, Post Graduate & Doctorate level in a truly International Environment. It aims to develop and sustain viable, strong and long-term International relations in the field of education with the perspective of benefit to the students. The major role of IEC is to enhance MRIIRS's International image on local and International Platform, to explore new relationships; to establish communications with International Educational organizations and providers and also to explore avenues to attract students from abroad, so that University recognition remains glow on the horizon.

The areas of International Cooperation include:

- Exchange of Undergraduate and Graduate scholars;
- Exchange of Faculty and Staff members;
- Joint Research and Consultancy activities;
- Participation in Seminars and Academic meetings;
- Exchange of Academic Materials and other information;
- Special short-term academic programs and projects;
- Cooperation in Curriculum development
- Collaboration in International Seminars and Conferences
- Cooperation in quality assurance
- Collaboration in Education export

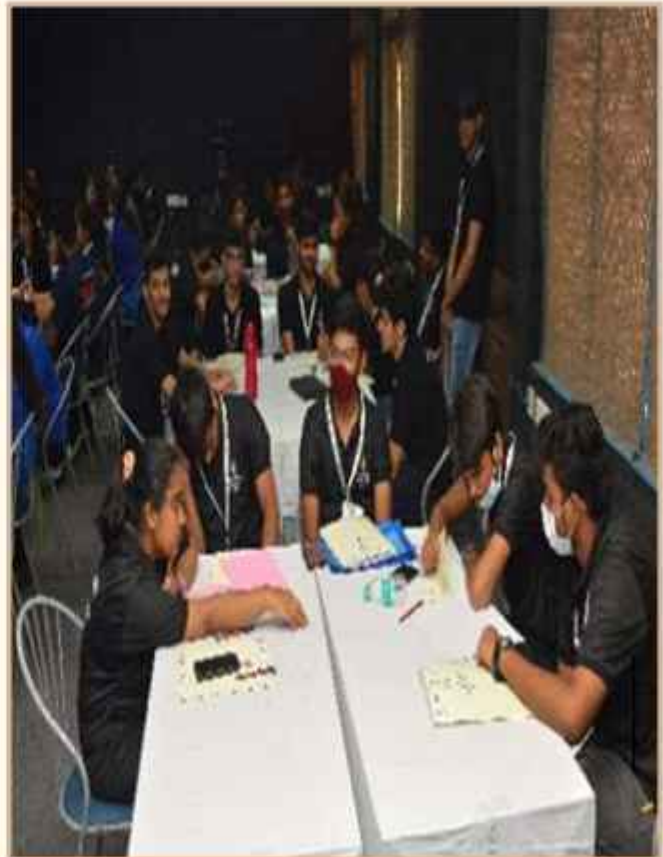
The International Education Centre also endeavors to explore and develop potential Partners for Joint ventures in India and Abroad. Besides, it provides a platform for Foreign Faculty for Guest Lectures at MRIIRS and tie ups for International Accreditations and Recognition. The University has entered into partnerships and tie ups with various Foreign Universities and Institutes across the globe including USA, UK, Australia, Canada, Finland, New Zealand, Kyrgyzstan, Argentina, Turkey, Vietnam and many more. We at MRIIRS, take it as our additional responsibility towards our International students, as large numbers of foreign students join our University every year. Keeping in mind the same we have formed an International Students Welfare Committee run by experienced professionals with a well rounded global exposure to attend to the foreign student's in capacity of personal, administrative and academic grievances in the University though this is at the time of their induction, at their of joining or thereafter during their stay as the students of MRIIRS. The University authorities leave no stone unturned in developing and coordinating activities to create and enhance a global awareness and diverse cultural educational environment especially for the foreign students. The University provides a single window service facility to all its international students through the International Education Centre, IEC.

5.5 Manav Rachna Innovation and Incubation Centre (MRIIC) AY 2023-23

The brief outcomes and initiatives of MRIIC taken during the AY 2022-23 are as outlined below:

a. Smart India Hackathon 2022:

Manav Rachna International Institute of Research and Studies (MRIIRS) has been chosen as one of the Nodal Centers for the hardware edition of Smart India Hackathon 2022 which is being held from August 25 to August 29. The inaugural event took place on 25th Aug at MRIIRS campus under the gracious presence of Dr. Sanjay Srivastava (VC-MRIIRS & MD-MREI), Dr. Ashwini Aggarwal (Director-Govt. Affairs, Applied Materials India Pvt. Ltd.), Dr. Sonal Yadav (Regional Consultant MoE's Innovation Cell), Dr. Umesh Dutta (Director MRIIC) and other senior functionaries of the University and Ministries. MRIIRS is currently hosting 16 selected teams from PAN India. Smart India Hackathon (SIH) is a nationwide initiative that provides students a platform to solve the pressing problems of the ministries, industries and other organizations. SIH has been acclaimed as the world's biggest open innovation model and it inculcates the culture of product innovation and problem-solving among students. Smart India Hackathon 2022 is jointly organized by Ministry of Education GOI, MoE's Innovation Cell, All India Council for Technical Education, Persistent Systems, and i4c. Doordarshan and All India Radio are the media partners of the Smart India Hackathon 2022. AWS and Shell have joined hands in this national level initiative as a partner organization. Smart India Hackathon 2022 hardware grand finale is scheduled from 25th August to 29th August 2022 and the Smart India Hackathon 2022 software grand finale is scheduled from 25th August to 26th August 2022. SIH 2022 has offered 476 problem statements received from 53 Union Ministries in the finale. This year more than 15000 students and mentors are travelling to the 75 nodal centers to take part in the SIH 2022 grand finale. During the SIH grand finale, the student team works round the clock under the guidance of mentors and Ministry/Organization representatives to produce the working solution for the selected problem statements. At MRIIRS, 16 teams are working on the problem statements that are assigned by: Ministry of Ports, Shipping & Waterways and Ministry of Culture. Each Problem statement has a winning amount of Rs 1 lakh. Under the student innovation category three prizes of Rs. 1 lakh, Rs. 75000, and Rs. 50000 will be provided to the winning teams. The Valedictory Session was held in the gracious presence of Chief Guest Dr. Abhilasha Gaur - COO-ESSCI; Guest of Honour, Dr. Devraj Singh - Vice President Technical and Standards, ESSCI; Dr. Sonal Yadav - Regional Consultant, MOE's Innovation Cell and Dr. Umesh Dutta - Director, Manav Rachna Innovation and Incubation Center. Teams e-tech, Intruder, Carb o green/ Eco Rejuvenators, and Innovgen emerged as the winners of Senior Smart India Hackathon 2022 Hardware Edition. Along with this, winners of Junior Smart India Hackathon 2022 Hardware Edition were also felicitated at MRIIRS.



b. National Winners of Microsoft Imagine Cup 2023:

Team Visioneo were one of the Top 4 teams from India that competed on 22nd February, 2023 for the final spot. The team comprised of Mr. Kartik Shekhar (6th Semester, B.Tech(ECE)), Mr. Anuvrat Kumar (6th Semester, B.Tech(ECE)), Mr. Arsh Arora (8th Semester, B.Tech(CSE)) and Ms. Priti Bhowmik (6th Semester, B.Tech(Biotechnology)). Visioneo qualified in the lifestyle category. It is an assistive technology for people suffering from different kinds of visual impairment. It uses Internet of Things and Artificial Intelligence in consonance with Microsoft technologies like Azure Machine Learning. The Team stood 15th in the World Finals amongst a total of 50 Teams.

S.No	Roll No	Name	Semester
1	1/20/FET/BAIOT/010	Kartik Shekhar kachhawa	7 th
2	1/20/FET/BAIOT/009	Anuvrat Kumar	7 th

c. The AIU North Zone, Anveshan:

Student Research Convention 2022-23 was held at Desh Bhagat University, Fatehgarh, Punjab on February 22, 2023. Team Mittvaanee got the 1st Prize and qualified for the National Convention.

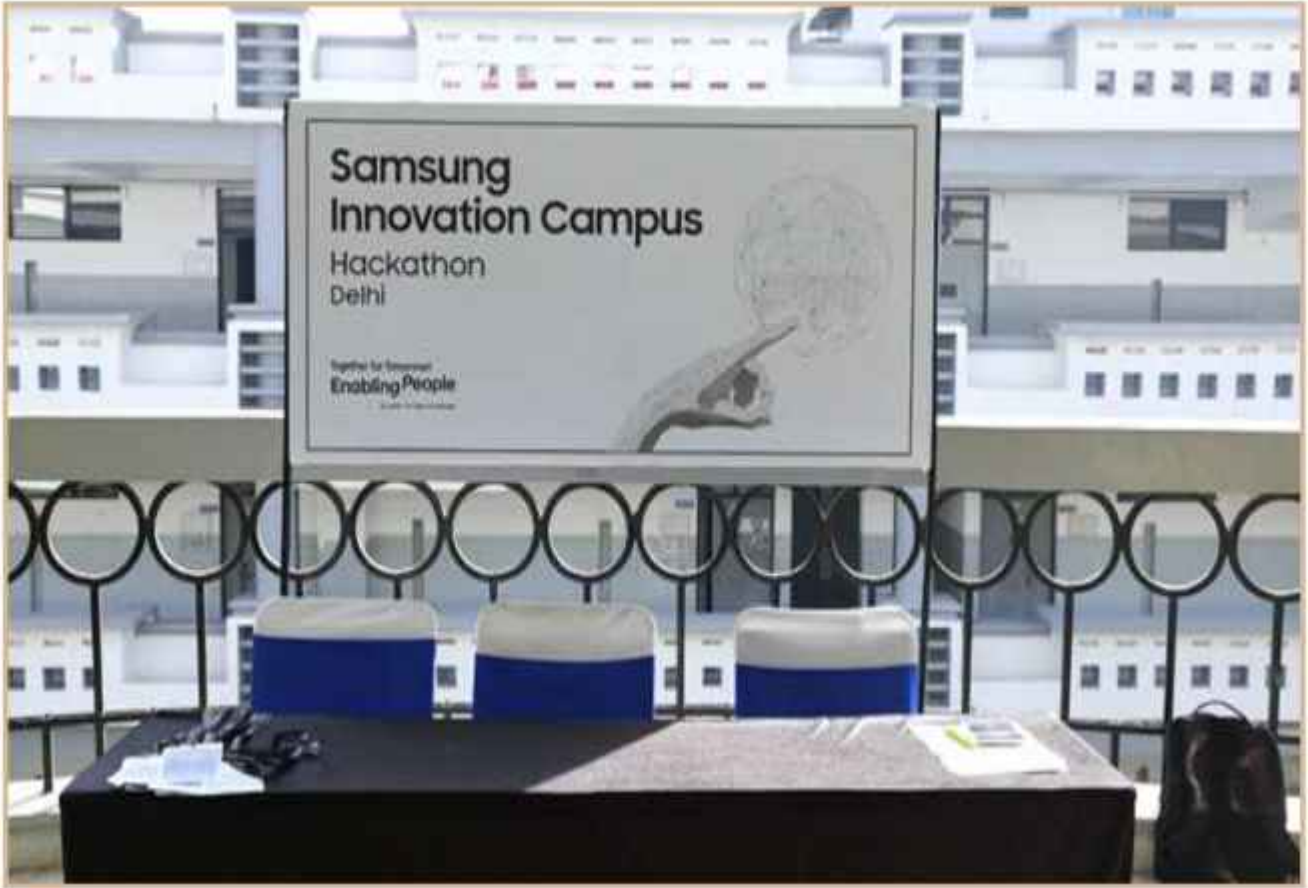
S.No	Roll No	Name	Semester
1	1/20/FET/BAIOT/003	Aaditya Taluja	7 th
2	1/20/FET/BEC/001	Rohith Kandukuri	7 th
3	1/21/FET/BEC/016	Himanshu Aggarwal	5 th

d. Two Students from 7th Sem participated in the International Science Festival held at Maulana Azad National Institute of Technology, Bhopal in January 2023 as their project was selected as the top 100 projects to be displayed for the festival.

S.No	Roll No	Name	Semester
1	1/20/FET/BAIOT/010	Kartik Shekhar kachhawa	7 th
2	1/20/FET/BAIOT/009	Anuvrat Kumar	7 th

e. Samsung Innovation Hackathon:

Samsung India held a 3-day Hackathon for Samsung Innovation Campus students. Student teams who are part of the Coding & Programming course took part in the Hackathon in which they developed codes based on problem statements given to them. The problem statements included topics such as developing a citizen feedback on road maintenance, creating a knowledge management portal, automation of reforestation efforts, a GST calculator, chat support for e-governance and an early warning system for farmers to protect crops from pests. The teams presented their prototypes to a jury consisting of engineers from Samsung R&D Institute, Noida and Samsung R&D Institute, Delhi. The students, who were mentored and trained at National Small Industries Corporation (NSIC), New Delhi were presented with certificates at the ceremony.



Students participating in Samsung Innovation Hackathon

f. Tech Fest Anubhuti-22:

Anubhuti-22, A precursor to Innoskill 2023, a technical competition was held on 10th -11th November 2022 wherein the students of various reputed Universities/Colleges/Schools of the country participated. Anubhuti-22 was organised with the vision to build future leaders and creating a diverse platform for young talent that people love. Anubhuti 2022 is a deck of four specialized innovative segments: Anubhuti, Creative Thinking Through Science and Technology workshop, Squared Challenge in Engineering and Design, and Advance Guard supported by the Department of Science and Technology (DST), and National Council for Science and Technology Communication (NCSTC). The event had 1500+ registrations from different schools and Universities like Amity University, North Cap University, Galgotia University, Lingaya's University, Sushant University, Shiv Nadar School, St Joseph convent school, Delhi Public School, Carmel convent school, Tagore academy public school, Rawal international school, Vidya Mandir Public School and many more. Students participated in various events like NavSrijan, Visual Merchandising, technical Workshop, Brain Teaser, Shark Tanks, Gamolution, Blind Coding, Bugz War, Reel Rooster, Tech-Charades, Project Showcase, Technical Maze, Logo Quiz, Web weaving etc.



Students participating in ANUBHUTI-22



Students participating in ANUBHUTI-22

5.6 Manav Rachna International Institute of Research & Studies Alumni Association 2022-23

Established in February 2014 under Manav Rachna Vidyanatariksha Foundation, Manav Rachna International Institute of Research & Studies Alumni Association is a strong Alumni Network of socially responsible and skilled individuals who share the Manav Rachna heritage. The Alumni Association has taken numerous initiatives to build a robust alumni community which guides and mentors' students to take up research projects and thesis to support global change. Alumni association organizes Alumni Lectures, Seminars, Workshops and Alumni Meets and various engagement activities. These activities and events go a long way in bridging the gap between the students and Alumni and help them to take forward this Innovative Race.

Some additional initiatives:

Newsletter: It provides valuable resources and exciting updates and also keeps the alumni in loop with the latest happenings at the university.

Utkrishi: The book showcased the transformative power of education through the inspiring journey of the established alumni inspiring generations to strive for excellence, the second edition had 26 success stories and 12 special mentions.

Alumni Tab: The tab on the Manav Rachna website which includes Newsletter, Alumni Portal and other initiatives form the Alumni department

Alumni Helpdesk: It provides personalized assistance and support to help the alumni with all the queries related to post college documentation and other requirements.

Number of Alumni Events Conducted from July 1 st , 2022 to June 30 th , 2023		
S. No.	Faculty	No. of Events Conducted
1	FET	4
2	FAHS	1
3	FCA	0
4	FMS	1
5	FMeH	1
6	FoC	0
7	FBSS	0
8	MRDC	1
9	Central Level	2
	Total	10

5.7 Student Facilitation Centre (SFC)

Established in October 2018, the Student Facilitation Centre (SFC) complements the services available on campus and is the first point of contact for prospective as well as enrolled students for most of their general queries during their academic life at Manav Rachna.

Vision: To make the academic journey of Manav Rachna students smooth during their tim at the Campus

Mission: To bring a one-stop solution to all students' needs – a single window obstacle clearance system that allows students to seek resolution of issues without unnecessary liaison.

Goal: To develop a strong connection between students, management and relevant stake holders through transparent and conducive communication channels.

Objective: To ensure a seamless admission process, continuous student engagement and effective problem resolution for all the students on Campus.

Modus Operandi: Front Desk at E-Block becomes the first point of contact for prospective and enrolled students. The centre connects the student to the ultimate decision-making competent authority for addressing their concerns, obtaining the final decision (or resolution) and thus eliminating the need for multi-party liaisoning by the student himself/ herself.

Requests accepted: The requests entertained include but are not limited to:

S. No.	Category	Details
1.	Admission & Procedural Queries	University admissions is a multi-stage process including filling up the Admission Form, conducting the Entrance Exam, Creation of merit list, displaying results on the website, and Physical counselling before culminating in the final admission to the candidate's institution of choice. All such admission and counselling-related queries are handled by SFC.
2	Post Admission Procedures	Document Verification, Providing log-in student credentials for online sessions, handling refunds, admission withdrawals, providing way forward intimations
3	Promotional and Communication Campaigns	Mass emailing, promotional mailers and WhatsApp

4	Academic Queries	<ul style="list-style-type: none"> ✓ Few broad categories under the cell: ✓ Classroom Experience ✓ Administrative / Attendance Recording Procedure ✓ Concerns about Grades or other Academic Assessments ✓ Specific Curricular issues ✓ Criteria of Evaluation under the Program ✓ Faculty member's actions that seem not to be consistent with the highest ideals of our community ✓ Re-application for the Examination <ul style="list-style-type: none"> ✓ For all procedures that are handled in the campus, preliminary we attempt to resolve issues on an informal and disciplinary basis, ensuring that those who are involved understand each other's point of view, before moving towards more formal procedures of redressal. In every situation, we seek to address issues in a timely manner at the most immediate level available, before moving up to higher levels of authority and responsibility.
5	Financial Requests	<p>The unit caters to the Centralized & Decentralized Finance Facilities that provide assistance in fee Collection, Estate, Student Welfare, Housing facility fee, Board of Sports, Revaluation fee, Examination fee & others. Students can reach out to us for</p> <ul style="list-style-type: none"> ✓ Student Education Loan Facility. ✓ Delay in Fee submission. ✓ Student Fee Concession (Dealt on a case-to-case basis) ✓ Rebates / Grant for specific purposes
6	Housing Facilities	<p>A few broad areas for which the SFC office can be reached are:</p> <ul style="list-style-type: none"> ✓ Shared Living ✓ Cleanliness, Health & Feminine Hygiene ✓ Dining ✓ General Services and Laundry facilities ✓ Security <p>The entire housing facility is maintained by professional housekeeping and maintenance agencies with vast exposure to the corporate climate.</p>

7	Examination Aids	<p>The student can seek aid from the 'Student Facilitation Centre for any assistance in the following areas of the examination;_</p> <ul style="list-style-type: none"> ✓ Revaluation and Verification of Marks ✓ Reassessment of Answer Books ✓ Academic Grievances ✓ Administrative Grievances ✓ Supplementary Examinations
8	General Queries	In case the right point of contact is not known for any query raised by a scholar, She/he is welcome to contact SFC to seek the correct guidance.
9	Campus Tours	<p>The Admissions Facilitation Centre organizes Campus tours to acquaint the parents & prospective students with the facilities offered at Manav Rachna. Various faculty members are also available to guide and explain the highlights to the visitors.</p> <p>In addition, special help to integrate International Students into campus life is available.</p>

Additional Activities: The centre undertakes the following activities on a regular basis to augment its vision:

S. No.	Activity	Detail
1.	Manav Rachna Scholars	The Scholarship holders of the fresh batch are felicitated in a glorious ceremony that formally inducts them as Manav Rachna Scholars.
2.	Scholar Engagement Program	100% of scholarship holders are called for Regular interaction and assigned small projects to assist central departments.
3.	Scholar Interaction	Meeting with scholarship beneficiaries to brainstorm ideas for improvement of services and opportunities available to students on campus.
4.	Class Representative Meet	For the exchange of thoughts with students at large and for the dissemination of information to the students
5.	Parent Engagement	SFC organizes Parent Orientation sessions at the commencement of the Academic Year

SFC is readily available to students and parents via mobile and email services at +91 7303819911 / +91 7303829911 or sfc@manavrachna.edu.in



CHAPTER-6

INFRASTRUCTURAL FACILITIES

6.1 Dr. O.P. Bhalla Central Library

“A university is usually described as a community where scholars and teachers are the head, students are the body and the library its heart.” The philosophy truly reflects from a quote from the Report of the Radha krishnan Commission on University Education “The library is the heart of all the University’s work; directly so, as regards its research work, and indirectly as regards its educational work which derives its life from research work.” Dr.O.P. Bhalla Central Library inaugurated by Dharma Guru Shri Swami Satya Mitra Nand Giri Maharaj at Manav Rachna International Institute of Research and Studies has been named in memory of its founder, the great prodigy and leading luminary of educational excellence, Dr. O.P. Bhalla. RFID and Wi-Fi enabled library is offering the latest state-of-the art technological applications including e-books, audio-books, e-journals, kindles to maximize the use and Keeping in pace with the above spirit and MRIIRS goal to “promote quality education, the spacious, Central Library offers a platform for research, innovation and development. It has a collection of more than 2, 50,000 documents in print and electronic format. The Library offers a balanced combination of print and digital collections by adding 1778 volumes of print books during AY 2022-23. The library is subscribing online databases like EBSCO IEEE’s ASPP collection, EBSCO Business Source Elite, EBSCO Academic eBooks Collection, EBSCO Dentistry & Oral Sciences Databases (DOSS), Turnitin & Urkund/Ouriginal- Anti- Plagiarism Software, Remote Access Solution, Grammarly, SPSS Analysis Tool and institutional membership of Developing Library Network (DELNET), and the American Library Membership.

The collection strength of the Library is as below:

Print Books	121960 Volumes, Titles 24459
E-Books	230817
Magazines	31
E-Journals	5175
Online Databases	10
E-Readers – Kindles	16
CDs and DVDs	4332
Project Reports	3110
Bound Journals	1579
Theses	204
Library Portal	https://mriirs.edu.in/international-institute-of-research-and-studies/central-library/
Library Online Catalog	http://mriirs.bestbookbuddies.com/
Remote Access to the Library Resources	Mriirs.mapmyaccess.com
Library Management Software	KOHA

Strengthened the National Digital Library Initiative by promoting enrollment of Manav Rachna Associates and Students to National Digital Library.



Team-Library

Prominent Activities: AY 2022-23

1. Paper titled "Quality in Library Services – A Literature Review Study Published in UGC Listed Journal Library Herald. Vol.60 No.3, 68-87, September, 2022.
2. Dr. O P Bhalla Central Library organized One Day Workshop on "IEEE Onsite Authorship Event" on 15th September, 2022 for faculty Co-ordinators. Mr. Ranbir S Sedhey, Sr. Manager, IEEE was the resource person of this Workshop.
3. Paper titled "Evaluation of usage and users satisfaction with Electronic Resources & Services: A Comparative Study of IMS Noida & GNIT, Greater Noida Management Institutions" published in Scopus listed Journal Advanced Engineering Science. Volume 54, No, 02, 3887-3896, November, 2022.
4. Delivered one day Lecture on "Kitabenkartihai Baatein" organized by K L Mehta Dayanand College of Women, Faridabad on 5th December, 2022.
5. Dr. O P Bhalla Central Library organized One day Workshop on "Understanding Research Misconduct: Fabrication, Falsification and Plagiarism-Oriented towards Quality Research in

Collaboration with IQAC Cell on 27th December, 2022. Dr. Ramesh C Gaur, Director-NSD, HOD, Kalanidhi Division, IGNC A was the resource person.

6. Dr. O P Bhalla Central Library organized one day Awareness Program on "Quality Services of INFLIBNET" in collaboration with IQAC Cell on 6th January, 2023. Dr. J P Singh Joorel, Director, INFLIBNET was the resource person of this Awareness Program.

7. Received "DLA- Professional Excellence Award 2022-23" by Delhi Library Association on 10th March, 2023.

8. Conducted One Day Training Programme On "Librarian as a Total Quality Person" as a Resource Person at Educational Research and Training (SCERT), Delhi Government, Delhi for School Librarians of DOE on 24th March, 2023.

9. Dr. O P Bhalla Central Library organized five Days Workshop from 3rd April to 7th April, 2023 on following topics.

I. 3rd April: - Union Budget

II. 4th April: - Quiz

III. 5th April: - Book Review

IV. 6th April: - News Paper Review

On 7th April, 2023 A Workshop was organized by the Dr. O P Bhalla Central Library on "Total Quality Person". Professional & Spiritual Sadhak & Well Trainer Dr. C V Ramanan was trainer of this Workshop.





Pictures of O P Bhalla Central Library

6.2 IT Cell

Manav Rachna International Institute of Research and Studies is an abode of technological advancement. The entire campus is WiFi enabled, giving the students, facilities, support and the platform to explore and discover ideas and knowledge with one GBPS bandwidth.

All the classrooms are equipped with ICT enabled facilities for an inclusive ecosystem. The Lecture capturing system and Smart board facilities have broadened the horizon of teaching. Manav Rachna provides various facilities for Departments involving Video and Audio platforms. The recording room is furnished with top-notch amenities and strikes the spirits of a tech savvy enthusiast.

The detail of ICT facilities available at MRIIRS during the period under report are given below:

- The University deploys excellent IT Infrastructure in carrying out activities like academic delivery, administration and services.
- The concept of Green Computing Pilot with Central Library.
- Desktops; Laptops; Printing facility.
- Internet access through DHCP. 1000 mbps.
- Firewall: Fortinet.
- Multiple Wi-Fi Access Points: from Campus network owned by university and more than 120 paid services through Reliance JIO and Airtel.
- LAN facility (HP Procurve, HP POE, Fortinet).
- Physical security surveillance through CC TV covering indoor and outdoor.
- Prominent Applications software: IBM Rational Seed, STAAD PRO, RTOS, VLSI Design Tanner Tool Pro, Xilinx ISE 13.1, OR-CAD Engineering. Suite, MATLAB, Simulink with various toolboxes, LabView, Catia, Pro-E, Quarkxpress, Adobe Creative, Corel Draw, Sony Sound Forge, Prolog. MX roads, Microsoft Projects along with complete Microsoft Office 365 suite.
- The university campus is covered under Master Agreement with Microsoft for campus agreement for compliance of the Licenses to avoid any Software Piracy.
- LCD/LED Projectors.
- In-house Troubleshooting & Repair Centre.
- Dish Satellite system connected with Classroom Projectors for MOOCS and Swayam the Initiative by Govt of India for collaborative and enhanced training by the Indian premium Institutes.
- Email facilities to all staff, faculties and students for seamless communication.
- Video conferencing.
- Facility for hybrid and remote classroom faculty.
- Smart Board.
- Security visitor attendance and managed - software.

6.3 Healthcare Facilities

Manav Rachna Campus provides an extensive array of Health and Welfare Services that are easily accessible. The university maintains a well-equipped catering to both emergency situations and minor medical concerns. Within the campus premises, proficient Physicians and Nursing staff are available to manage medical emergencies effectively.

Furthermore, the university is equipped with two modern and fully equipped ambulances, ensuring rapid response to emergencies and ensuring the utmost level of medical safety for both staff and students. In addition to the on-campus First-Aid Room and separate sick rooms designated for male and female students, a cutting-edge Outpatient Department and Nutrition and diet clinic is also available. The Dispensary maintained by Sarvodaya Hospital is also available. The services of a Medical Consultant can be availed during specified hours on all working days.



- **Dental OPD:**

The Dental Department boasts a cutting-edge facility that represents a perfect blend of advanced technology and expertise. Our team comprises highly skilled and experienced doctors who excel in various specialized areas of dentistry, including orthodontics and Dentofacial orthopedics, periodontology, prosthodontics, oral pathology & microbiology, conservative dentistry and endodontics, pediatric and preventive dentistry, oral medicine and radiology, oral & maxillofacial surgery, and public health dentistry. From July 2022 to June 2023, the Dental Outpatient Department (OPD) successfully treated an impressive 103,075 patients. This underscores our commitment to providing comprehensive dental care to our community and reflects our dedication to delivering high-quality dental services.

Dental OPD



- **Physiotherapy OPD:**

The Physiotherapy Outpatient Department (OPD) at our facility offers specialized clinics dedicated to addressing various medical conditions, including the Cerebral Palsy Clinic, Stroke Clinic, Geriatric Clinic, Sports Injury Clinic, and Diet and Nutrition Clinic. Additionally, our department organizes specific clinical weeks to provide further specialized services. These clinics are well-equipped with state-of-the-art medical facilities to cater to the needs of both inpatients and outpatients. These collaborations enhance our academic and clinical capabilities, enabling us to offer cutting-edge care to our patients. In the period from July 2022 to June 2023, our OPD successfully treated an impressive total of 3927 patients.



Physiotherapy OPD

- **Diet and Nutrition Clinic:**

Manav Rachna International Institute of Research & studies has its own Diet and Nutrition Clinic. In Clinic, Nutrition counselling for different metabolic conditions is provided. The objective of Diet and Nutrition clinic was to provide nutrition support with regard to nutritional assessment, nutritional awareness, providing guidelines to prevent communicable and non-communicable disease and providing treatment of various metabolic disorder. Many patients of different ailments were catered such as hypothyroidism, diabetes, kidney disorder, liver disorder, hyperlipidaemia, hypertension, obesity, weight gain and many more. Health camps are organized at regular intervals to different areas of Delhi, NCR so as to reach out to those people who are unable to visit in OPD. In camps, we provide free consultation and assessments to people who are in need. We explain them about their conditions and guide them dos and don'ts with nutrition perspective.



Diet and Nutriton Clinic

- **Mental Health Support at MRIIRS**

Ensuring good mental health of the campus population is the topmost priority of the Manav Rachna international Institute of Research and Studies. Healthy minds (physically, emotionally, psychologically and socially stable persons) are the pillars of sustainable development of any country.

- * Faculty of Behavioral and Social Sciences at MRIIRS is one of the first institutes to boast of a 'Human Lab'. It is the first lab in the entire Haryana and Delhi-NCR. Human Lab undertakes Assessment & Psychometric profiling to support for Emotional Behavioral and Mental problems. It has more than 50 different standardized psychometric test & psychological instruments for the assessment of various physiological, psychological, behavioral, emotional and spiritual characteristics of children, adolescents, adult & the elderly. Career Counseling and Employability Skills Training is provided. The counseling and Psychotherapy services are available for the students of Manav Rachna Educational Institutions to deal with interpersonal problems, emotional distress, health and wellness, anxiety, depression, self-esteem and adjustment. A psychometric profiling helps the students in self-introspection and in enabling him/ her in identifying his core strengths and weaknesses. The student is made to regularly undergo psychometric tests to monitor his progress. Regular Health Awareness and Mental Health Programs are being organized and conducted by the Human lab.
- * MRIIRS Counselling Cell (मनोव्रिति: A Wellness Centre) provides support and assistance to students/employees/local community people in all areas of life. It also provides support related to LGBTQ issues, gender identity and sexual orientation or any other mental health related required support. As per a recent WHO report the world is walking towards mental health pandemic at a fast pace. With an aim to de-stress the planet, Manav Rachna International Institute of Research and Studies has established a counselling cell to provide counselling and psychological support to students, faculty and staff members along with nearby community members. The Department of Psychology provides guidance and counselling support to students, faculty, staff members of MREI and the community through the Manovriticentre. The centre through its objectives provided a safe space to discuss and find solutions of the difficulties faced.



MRIIRS counselling cell provides the following services:

- Psycho-diagnostics for better understanding of psychological issues among the target populations with the help of psychological assessments such as Projective tests, neuro-psychological battery, etc.
- Counselling and Guidance with various models such as Talk-therapy, Psychotherapeutic intervention, Expressive and art-based techniques, hypnosis and narrative approach.
- Bio-well to provide an extensive report to understand the flow of energy and enhance emotional health.

An exhaustive mental wellness campaign has been conducted in the campus by the department of Psychology to spread awareness about Mental Health. The centre conducted various sessions from 20th January to 27th January, 2023 across MRIIRS to sensitize and build awareness among students, faculty and staff members about wellness, common issues that can impact well-being and the services provided at the centre with respect to guidance and counselling. The sessions were attended by more than 1000 students across 7 Faculties of MRIIRS.

Manovriti Counselling and Wellness Centre					
Awareness Programmes					
S.No.	Date	Program	Faculty	Contact Person	Contact No.
1	20/1/2023	MCA, BCA, BSc (IT)	FCA	Dr Seema Sharma	9873553830
2	20/1/2023	B.A (H)	English	Dr. Jayashree Hazarika	9540895236
3	21/1/2023	Hostel	Hostel	Ms. Vandana	9599484399
4	23/1/2023	ECE+EEE	FET	Dr. Vimlesh Singh	
5	23/1/2023	Nutrition and Dietetics Physiotherapy	FAHS	Dr. Preeti Saini, Dr. Priya Mishra	8527207143
6	23/1/2023	MBA	FMS-PG	Dr. Swati Punjani	9711220578
7	24/1/2023	BDS and MDS	FDS	Dr. Lipika Gopal	9717546141
8	25/1/2023	BDS	FDS	Dr. Lipika Gopal	9717546141
9	25/1/2023	CSE	FET	Dr. Krishan Kumar	9990060886
10	25/1/2023	Mechanical	FET	Dr. Jimmy Mehta	9818846413
11	25/1/2023	Civil	FET	Mr. Yaman Hooda	9560294704
12	25/1/2023	B.Sc.ID, B.Arch & B.Design	FAD	Ms. Smriti Saigal	9990300454
13	27/1/2023	CSE	FET	Dr. Krishan Kumar	9990060886



Counselling session on Mental Health by Psychologist



Counselling session on Mental Health by Psychologist

Additional facilities include:

- ICICI Lombard General Insurance: Group Accident Policy Cover is extended to all Employees, Students, and Contractual Employees.
- Asian Hospital Tie-up: This partnership provides discounts on Medical Facilities for all Employees, their Dependents, and Students Manav Rachna International Institute of Research and Studies. The discounts can be utilized upon presentation of the ID card.
- Metro Hospital Tie-up: Similar to the Asian Hospital tie-up, this collaboration offers discounts on Medical Facilities for all Employees and Students of Manav Rachna International Institute of Research and Studies. The discounts can be availed by showing the ID card.
- Full-fledged physiotherapy clinic for common orthopaedics, Neurology, Cardiopulmonary and Sport condition.

6.4 Sports Infrastructure

Manav Rachna has a variety of sports facilities spread over the campus as well as sports academy located with in Faridabad. Sports is a parallel medium of instruction at MRIIRS which focuses on a sports-centric philosophy to create healthy minds in healthy bodies. The World-Class infrastructure provides for total sports management which nurtures sports talent of the students at all levels from pre-primary to the University level. World class sports facilities for outdoor and indoor games (which include basketball, volley ball, cricket, shooting, table tennis, squash, billiards, soccer, chess, carom to name a few) offers infrastructure which caters for budding sports learners. There is a 25m Shooting Range and 10m air conditioned Indoor Shooting Range operated on SIUS Ascor electronics targets of Olympics standards. Manav Rachna also has an indoor badminton and table tennis stadia with synthetic courts in association with Yonex and Stag respectively. These offer the best facilities in Haryana. A Sports Fitness Centre to meet psychological, physiotherapy and other health related issues is also available. Besides, Manav Rachna boasts of a Soccer Academy and a Semi Olympic sized swimming pool.

Highlights of various facilities are mentioned below.

Sports Facilities:

Squash Court - We have a wonderful Squash Court Laid by syncotts International with Maple Wood flooring, located at A Block 2nd Floor. This is equipped with lights & A.C facilities. The court is 9.75 meter long, 6.4 meter wide, height 5.64 meter. Other sports facilities are also available such as Carrom & Chess boards.

Shooting Range No-1 - We have a newly laid wonderful 25 Mtr. & 50 Mtr. Shooting Range facility at Staff Quarters MRIIRS Campus. It was inaugurated by Sh. Kiren Rijiju, Sports Ministry, Govt. of India on 19th January 2021 at Manav Rachna International Institute of Research and Studies. The hon'ble Union minister for Sports Sh. Kiren Rijiju inaugurated the first-of-its-kind 25 Mtr and 50 Mtr convertible shooting range at the Manav Rachna Campus.

Shooting Range No- 2 - MRIIRS have two 10 Mtr. Fully A.C Shooting Ranges, one is having 13 Manual Target and second is known to be final range having 8 SIUS electronics targets with Monitors, which is equipped modern facility for Shooters as well as Spectators, including Locker Rooms, Modern Wash Rooms, Exercise area etc. at Q Block Basement.

Cricket Ground - The Cricket Ground in Campus is located in front of K & L Block This 40 x 40 meters lush green ground is equipped with flood lights and has 2 well maintained turf pitches.

Soccer Ground - We have a Modern Soccer Ground between Staff Quarters & Q Block (50 Mtr x 80 Mtr).

Indoor Sports Arena - We have a wonderful Indoor Sports Arena in the area of 7700 Square feet at Q Block Basement with the facilities of a Badminton Court, 6 T.T Tables, 3 Billiards Tables & 3 Pool Table & Indoor Gym. This sports arena is open to all the Manav Rachna Students and Hostellers from 8.00am to 8.00pm.

Volleyball Courts - A Standard size Volleyball Court facility is available in MRIIRS Campus in front of B Block for VolleyBall Players.

Basketball Courts - There are 3 standard size Basketball Courts in MRIIRS Campus. 1 Basketball Court is in front of E & F Block & 1 Basketball Court is in front of B Block & 1 Basketball Court is in front of International Boys Hostel. This facility is available for all the Manav Rachna Students & Hostellers from Morning to Evening.

Indoor Boxing Ring - There are 1 standard size Boxing Ring in MRIIRS Campus at Indoor Sports Arena (Q Block Basement) .This facility is available for all the Manav Rachna Students & Hostellers from Morning to Evening.











Manav Rachna Sports Academy is an unparalleled sports experience which offers sports to an enthusiast who believes in taking their sporting experience to a brand new level. To enhance sporting skills, Manav Rachna Sports Academy has all options available with world-class infrastructure, best training teachers and sports clinics being organized at frequent intervals by the world acclaimed trainers.

Mr. Sarkar Talwar, Director Sports received the Life time Achievement award by FICCI at FICCITURF 2022 & India Sports Awards for his and MRIIRS contribution towards sports.



6.5 Other Student Support Systems/Facilities

MRIIRS population has access to the food outlets for multiple Food Choices on campus. Cafeteria and Canteens are common hangouts for students in educational Institutions. MRIIRS Campus has many Cafeterias and Canteens which provide various Food Items in a Hygienic Environment, keeping in mind the varied taste of the students. Some of the popular Café and Canteens are given as under: Needs Supermart (International Boys Hostel), the latest addition to MRIIRS campus is Chai Garam and Chicago Pizza.

• Sustainable Food choices on Campus

Manav Rachna International Institute of research and Studies has taken an initiative taken to create a Sustainable Food Policy and same has been adopted successfully since 2018. The strategy includes monitoring food waste, measures for reducing food waste, the use of a balanced meal diet, and the provision of wholesome food. MRIIRS ensures the availability of Sustainable Food Choices in the Campus through the laid down 'Sustainable Food Policy of MRIIRS:

- * To maintain proper nutrition, balanced cyclic meal menu has been implemented in the hostel mess. A menu with both vegetarian and non-vegetarian options has been adopted. Salt, sugar, fat, and meat product reduction has been stressed. Red meat, trans fat are prohibited.
- * Manav Rachna is huge campus having several food Courts and Outlets for different sustainable food choices available for students' academicians and visitors.
- * It is ensured that procurement of raw ingredients and different food commodities are from the trusted sources/vendors.









Hostel Kitchen & Hygiene Food Service



Further, time to time **healthy cafeteria and recipe competitions** are organized in the campus. For providing the Sustainable food choices on campus, aligned department always create awareness in the form of organizing nutritious café which include low-cost meals, nutritious modern recipes. Every time the theme of the café is different to create awareness on different angle of the food.

1. Cafeteria : Millet Mania

<https://www.facebook.com/watch/?v=1577601912734549>

Cafeteria is a very important part of any organisation and running a cafeteria is a tricky process as it involves careful attention to proper calculation of recipes, proper storage of ingredients, catering to all the clients, earning profit etc. As a part of the curriculum and to make students learn the hands-on experience on entrepreneurial skills, the students of MSc Nutrition and Dietetics II semester, organised a one day cafeteria. Department of Nutrition and Dietetics, Faculty of Allied Health Sciences, Manav Rachna International Institute of Research and Studies organised a one day Cafeteria on 17th May, 2023 at Q - Block from 10am onwards.

The theme for the Cafeteria was **"Millet Mania", projecting Goodness of Millets**. Millets are highly nutritious and are used for human consumption in most of the developing countries, but their use has been primarily restricted to animal feed in developed countries. There are a variety of Millets like Sorghum, Pearl millet, Finger millet, Foxtail millet, Common millet, Little millet, Barnyard millet and Kodo millet. To promote the importance of millets, students of MSc II semester (Nutrition and Dietetics) have prepared a few recipes with incorporation of Millets.

The occasion was graced by honourable Dr N C Wadhwa, Director General, MREI, Dr Sarita Sachdeva, Dean Research, Dr Brgd RK Anand, Director General; MRIIRS, Dr Gurjeet Kaur Chawla, Dean DSW inaugurated the cafeteria at 10:30 AM. On this occasion Prof. G.L. Khanna (PVC, MRIIRS), Dr MR Rizvi, Dean, FAHS), Dr. Divya Sanghi (HOD, Nutrition and Dietetics) were also present.

All the dignitaries asked the importance of Millets from the students and appreciated the efforts of the students for nice preparation/The Menu included

1. Bindass Bhelpuri
2. Mammamia Pasta
3. Tangy Tikki
4. Mysterious Meal
5. Twerking Truffle
6. Tripsy Slush
7. Bal Banta

The student organizers made everyone experience a delightful journey of flavours where all students from various departments and faculties of Manav Rachna enjoyed and relished the alluring experience of exotic food served.





2. Dietetics Day 2023 - Workshop consist of Healthy Recipe Competition and demonstration of recipes created by Nestle

Department of Nutrition and Dietetics, Faculty of Allied Health Sciences celebrated Dietetics day 2023 in collaboration with Nestle Pvt. Ltd. On Dietetics day the department of Nutrition organized a recipes competition Entitled Meri Maggic Savory Challenge. The students have to prepare healthy recipes by using Maggic masala of Nestle. About 20 recipes were formulated and presented in front of Judges. Mr. Lee, Chef from culinary sciences, MRIIRS and Dr. Pratibha Singh, Professor, Department of Nutrition and Dietetics, MRIIRS judged the participants on taste, texture, concept, nutritional value and acceptability of the product. The competition was exciting for students and faculty members. Followed by recipe competition, demonstration of healthy recipes was done by the Ms. Vini, experts at Nestle. He demonstrated many recipes like carrot cake, healthy chutney and many more by using Nestle products. The demonstration was innovative and very interactive. They also provide oats cornflakes to be distributed among students of Department of Nutrition and Dietetics and Physiotherapy.



3. Millet Recipe Competition

Department of Nutrition and Dietetics, Faculty of Allied Health Sciences in collaboration with Research and Development center, MRIIRS celebrated International Millet Year 2023. On 17th May 2023, the department of Nutrition and Dietetics organized a Millet Recipes competition with the theme of "Wonder Grains: Magical Millets". The students have to prepare healthy recipes by using Millet and created posters and pamphlets to describe the nutritional properties of recipe and their innovation techniques. About 17 recipes were formulated and presented in front of Judges. Dr. Veena Singh, Former Director General, Health Services, Haryana; Mr. Lee, Chef from culinary sciences, MRIIRS and Dr. M. Rizvi, Dean and Professor, Faculty of Allied Health Sciences, MRIIRS judged the participants on taste, texture, concept, nutritional value and acceptability of the product. The competition was exciting for students and faculty members. Dr. Veena Singh and Chef Lee gave their expertise opinion and insight to improve their dishes or for developing a startup company. The winner was Ms. Muskan Gupta, student of MSc. Nutrition and Dietetics, Final Year. She created Momos by using millets in different colors and textures.



Dr. Veena Singh, DG, Health Services evaluating the food

6.6. Hostels

MRIIRS provides both on-campus and off-campus hostel accommodation for boys and girls with single, double and triple rooms. The hostel rooms are well furnished with essential modern facilities like TV, PCs, Wi-fi, Telephone, RO Drinking water, newspapers as well as games like Table Tennis etc. All hostels have a well-managed and hygienic mess, where nutritional needs and taste of students are taken care of while emphasizing on inclusivity. An ergonomically and aesthetically designed hostel basically meant for international students, is available with all state-of-the-art facilities. There are many categories of rooms in hostels-Air Conditioned, Non-Air Conditioned, single seater, two-seater, three seater and five seater rooms with attached/common bathrooms. Hostel fee is charged according to the room category chosen by the student, through DD or by cash. Medical facilities, medical insurance, library facilities and laundry facilities are also provided within the hostel fee charges.



CHAPTER – 7

RESEARCH AND DEVELOPMENT

7.1 Research Ecosystem

Research plays a significant role in the process of conceptual thinking, Learning and Innovation. With the path-breaking innovations in both its curriculum & Research, the Institution is rapidly gaining a legendary reputation globally. We live in a knowledge-driven economy, where Research and Development has become the key to sustainable economic growth, creating in the process, a competitive edge. Also, research in a university is everlasting, unending contribution to society and the mankind. The production of theoretical knowledge and integrated experiential findings are the two main aspects of research activities. The outcomes which are constantly augmented, corrected, and revised is a natural corollary, but the huge data base created, and the published material conceptualize by researcher-writers is indeed appreciable. This does serve as an index to the functioning of a reputed academic institution and also showcases the quality expression of its scholarly activities.

MRIIRS has aptly and genuinely carved its indomitable position as a research-driven institution. Across its 25+ year journey with many milestones to its credit, MRIIRS has taken on the challenge of yielding applicable knowledge and dedicating itself towards several path breaking Research and Development initiatives. Since inception, MRIIRS has been striving to develop into an institution of excellence in education and research, in consonance with the contemporary and future needs of India through meaningful education, quality research and technological innovations. Research Programme at MRIIRS has evolved from the initial focus on fundamental research to vital contributions to both fundamental, experiential, and empirical research in various academic disciplines and interdisciplinary areas. This shift has been gradual without any major impediment. It has yielded the desired objective of the creation of a viable, socially relevant research outputs. The endeavor is for the creation and continual expansion of this research temperament. The prime objective is to have strong focus on generation of original ideas and thoughts which thereupon would relate to empirical works of subject-oriented research in sciences, social sciences, humanities, management, technology and other disciplines offered by the University as areas of probe and investigation from time to time and shall subsume out-of-box thinking and innovation. This is further extrapolated to solution findings to social problems. Our research programme has practical import component which also sets in an important ingredient of social outreach and service.

There is always a time when the academicians are countered with statement that active research would take away the focus from teaching, but it is important to believe that Good Teaching is a natural byproduct of Good Research and quality of research improves when faculty members are engaged in research as they would share latest developments with their students and would also make them understand newer ways of application of theory. Such faculty also prepares a good workforce for future who can be the game changers and not just the ones who look for lucrative packages.

In addition to offering formal Undergraduate and Post-graduate Programs, the MRIIRS actively encourage its faculty and students to undertake in house and sponsored research and consultancy projects in order to strengthen the research and innovation profile of the Institution. Presently, institution is actively engaged in research in several areas of Engineering, Basic and Applied Sciences, Management, Literature, Physiotherapy, Nutrition & Dietetics, Health, Energy and Environment, Manufacturing, Sports Rehabilitation etc. More recently, the Institution has created a 'Research and Innovation' culture at the Undergraduate level through Innovation & Incubation at MRIIC. Also, to ignite young minds towards Research and innovation, courses has been incorporated as part of their curriculum at UG Level of two credits with the nomenclature Design Thinking and Innovation (DTI) for Engineering Students and Research Innovation Catalyst (RIC) for other than Engineering students.

7.2 Research Publications

It is important for any university to participate in the creation as well as the transmission of knowledge. The Western universities have been the centre of knowledge networks and the means of knowledge dissemination such as journals and scientific publication.

In the operation side, journals and scientific publications are not only the centre of latest knowledge dissemination but also act as essential links for the seasoned academicians to keep abreast on the development in their area and implicitly facilitate academicians with contemporary knowledge to be imparted to their students. Such deep-rooted importance on creation and transmission of knowledge has put scholarly publication as one of the most common performance indicators for most universities globally.

The number of publications has been one of the measurement values in the performance evaluation for higher education academicians. Over the years, the obligation to publish has amplified from not just getting published but also on getting published in high quality journal whereby the quality ranking is determined by publication categories. Publication that is recognized through peer review process signifies the legitimate platform for the research content to be discussed, challenged, referred, and criticized by the community of the academia.

Authors who are mostly researchers and academicians must be capable of not only presenting their findings and claims but also capable of supporting and defending the proposed knowledge. The academic community embraces such a culture of open knowledge discussion, and this practice is vital in giving direction to knowledge progression. Moving on from being a platform meant for knowledge discussion, publication has now become one of the most important performance indicators for Indian academician. "Publication count is an indicator of research productivity and is used to rank faculties and academic institutions... ascertain author's productivity or the publication productivity of research groups" and hence MRIIRS has necessitated that Scopus, WOS and ISI journals are included as the target for publication and also offer rewards to the authors in forms of 'seed money' or research grants for published research articles.

7.3 Government/Industry Funded Research Projects

It is often said that the best place to invest money in a society is to invest it in educating the next generation, obviously in order to secure the future. Doing research is important because it contributes to knowledge, development, improvement etc. People who teach can do research to improve their competence and teaching and learning process. Also, research is important in our everyday life as it builds the graphic vision of life and ultimately the very philosophy of all subjects. Hence here at campus faculty members are encouraged to indulge in research and consultancy work for their growth.

- **A Research grant of more than INR 2.83 crore has been received during 2022-23 for various Research projects and setting-up Research and Development facilities at MRIIRS. The details for these projects are as provided here:**

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/ Non-Government)	Department	Funds provided (INR in lakhs)
A comprehensive study to establish the health benefits (in-vivo) of Nutri-cereals: A way forward for mainstreaming millets	Kommi Kalpana & G.L Khanna	NFSM, ICAR, GOI	Government	Nutrition & Dietetics	1000000
Reverse Genetics of Chikungunya Virus for identification of Therapeutic Targets and Validation in Mouse Model."	Kanchan Bhardwaj	SERB-DST - TARE Scheme	Government	Biotechnology	275000
Development and Physical characterization of a novel biodegradable scaffold with growth factors and nanoparticles	Alpa Gupta & Aditya Sharma	Haryana State Council for Science, Innovation and Technology	Government	Conservative Dentistry and Endodontics, SDS	1065000
Assessing the Impact of Governments Financial Outreach Programmes: A Household-Level Study to Identify the Demand and Supply Gap Among the Indian States	Durairaj Kumarasamy	ICSSR	Government	Economics	320000
Salivary and GCF levels of NLRP3 inflammasome in patients diagnosed with symptomatic irreversible pulpitis- A case -control study.	Dax Abraham, Arundeeep Singh, Anjana Goyal	Indian Endodontic Society, Chennai	Government	Conservative Dentistry and Endodontics	50000
Setting Up Of New Gen IEDC (5 Years)	Monika Goel, Bindu Agarwal & Karan	Entrepreneurship Development Institute of India (EDII), through NSTEDB, DST, GOI	Government	Commerce	6000000

Business Research for developing markets	Shilpa Narang	PCC India Private Limited	Non-Government	Management	252000
Role of social media in customer acquisition	Priyanka Singh	PCC India Private Limited	Non-Government	Management	200000
Analysing Financial Structure and Strategy for Organization Development	Ridhi Khattar	PCC India Private Limited	Non-Government	Management	109842
Green Manufacturing: Lean Scheme Implementation and Assessment	Rajender Kumar	PCC India Private Limited	Non-Government	Mechanical Engineering	193000
Minimizing the dye content from textile industry wastewater using adsorbents	Shagufta Jabin	PCC India Private Limited	Non-Government	Applied Science-Chemistry	210000
Market Research for home furnishing with respect to European Market	Arkaja Garg	Sandiya Exports Private Limited	Non-Government	Commerce	198000
Fruit Quality Assurance using Real time Freshness monitoring	Lakhvinder Kaur	Sandiya Exports Private Limited	Non-Government	Nutrition & Dietetics	250000
Digital Business Transformation Study	Priyanka Singh	Sandiya Exports Private Limited	Non-Government	Management	252000
Recruitment and Selection Practices of the Organization	Farhat Mohsin	Sandiya Exports Private Limited	Non-Government	Management	155000
Data Analytics for Business Development	Amandeep Dhaliwal	Sandiya Exports Private Limited	Non-Government	Management	145000
Development of an integrated data management system for storing and organizing information such as flight logs, maintenance records, regulatory compliance paperwork, etc.	Indu Kashyap & Anshu Sharma	EC Blades & Tools Private Ltd.	Non-Government	Computer Science and Engineering	212000
Design of a powerful AI-based system that can dynamically optimize aircraft paths in real-time while considering criteria like weather, air traffic congestion, fuel efficiency, etc. to guarantee effective and safe air transport.	Indu Kashyap & Rachna Behl	EC Blades & Tools Private Ltd.	Non-Government	Computer Science and Engineering	152000

Heat Treatment of Aircraft Blades	Manoj Nayak	EC Blades & Tools Private Ltd.	Non-Government	Mechanical Engineering	250000
Thermal, Moisture and Mechanical Properties of Biodegradable nano Fibre-Reinforced Composites with Plant fibres	Nitin Kumar Waghmare	EC Blades & Tools Private Ltd.	Non-Government	Automobile Engineering	176000
Effective Strategies for Employee Motivation in the Workplace	Amardeep Singh	EC Blades & Tools Private Ltd.	Non-Government	Commerce	115000
A Study on Advertising and Branding for Business Development	Deepti Dabas Hazarika	EC Blades & Tools Private Ltd.	Non-Government	Management	195000
The Role of Emotional Intelligence in leadership- A study of Select Consulting Firms in NCR	Jyoti Pandey	FFV Services Private Limited	Non-Government	Commerce	215000
Relationship between Corporate Social Responsibility (CSR) Expenditure and Financial Performance	Preeti Chhabra	FFV Services Private Limited	Non-Government	Commerce	262300
Sustainability Accounting: Integrating Environmental and Social Metrics into Financial Reporting	Poonam Singh	FFV Services Private Limited	Non-Government	Commerce	180000
A Study on Wealth Management Practices	Bhavesh Prakash Joshi	FFV Services Private Limited	Non-Government	Management	276000
Goods & Services Tax Impact on India Inc.	Ridhi Khattar	FFV Services Private Limited	Non-Government	Management	186000
Green HRM Impact on Employer Branding	Anindita Chatterjee	FFV Services Private Limited	Non-Government	Management	185112
Market Research for Business Development	Priyanka Singh	FFV Services Private Limited	Non-Government	Management	195588
Investigating the Impact of Technological Integration on the Efficiency and Effectiveness of Integrated Supply Chain & amp; Logistic Solutions Providers.	Shobha and Harsh Bhasin	Delhi Gujarat Fleet Carriers Private Limited	Non-Government	Computer Science and Engineering	210000

Evaluating the Resilience and Sustainability Practices of Integrated Supply Chain and Logistic Solutions Providers.	Shobha and Shobha Tyagi	Delhi Gujarat Fleet Carriers Private Limited	Non-Government	Computer Science and Engineering	300000
An AI-based Export and Import-based promotion Policy management system	Ramesh Sahoo & Shefall	Delhi Gujarat Fleet Carriers Private Limited	Non-Government	Computer Science and Engineering	105000
Smart Parking System using IOT	Anupriya Jain & Sachin Sharma	Delhi Gujarat Fleet Carriers Private Limited	Non-Government	Computer Applications	195000
Registration and Validation of Vehicle Registration Plate using Blockchain	Usha Batra, Suhail Javed Quraishi & Sonal Pathak	Delhi Gujarat Fleet Carriers Private Limited	Non-Government	Computer Applications	250000
Logistics & Supply Chain Management	Shilpa Narang	Delhi Gujarat Fleet Carriers Private Limited	Non-Government	Management	298000
Ratio Analysis & Business Evaluation	Vinit Sikka	Delhi Gujarat Fleet Carriers Private Limited	Non-Government	Management	300000
Training Need Assessment (TNA) for future Development	Anindita Chatterjee	Delhi Gujarat Fleet Carriers Private Limited	Non-Government	Management	103000
Impact of Biofuel on Sustainability & Profitability in Transport Sector	Jayender Verma	Delhi Gujarat Fleet Carriers Private Limited	Non-Government	Commerce	253000
GST and Environmental Sustainability: Exploring the Eco-friendly Aspects of Taxation	Monika Goel	Delhi Gujarat Fleet Carriers Private Limited	Non-Government	Commerce	240000
Optimizing Efficiency and Sustainability in Freight Transportation: A Case Study of Delhi Gujrat Transport Services	Gurpreet Singh Matharoo	Delhi Gujarat Fleet Carriers Private Limited	Non-Government	Automobile	246000
A Study of Impact on Remote Work Culture-Employee Productivity and Well-being	Simran Kaur	FFV Services Private Limited	Non-Government	Commerce	210000
Work-Life Balance: Strategies for Employee Well-being and Organizational Success	Arun Vashista	FFV Services Private Limited	Non-Government	Commerce	262300
Impact of Change Management on Success of Technology Innovation in SME	Amardeep Singh	FFV Services Private Limited	Non-Government	Commerce	300000

Streamlining Finances: Unleashing the Power of Automation for Error-Free Accounting	Parteek Jain and Nirasha	FFV Services Private Limited	Non-Government	Computer Science and Engineering	72112
Design Analysis and Business Research for Market Development	Arvind Dalal	FFV Services Private Limited	Non-Government	Management	310000
Role of Financial Services for Fund Management	Bhavesh Prakash Joshi	FFV Services Private Limited	Non-Government	Management	200000
Performance Management Practices in the Organization	Anjali Singh	FFV Services Private Limited	Non-Government	Management	242000
Compensation and Benefits Management at FFV	Urvashi Sharma	FFV Services Private Limited	Non-Government	Management	242000
Emerging Trends and Practices for organizational performance in future	Neha Wadhawan	FFV Services Private Limited	Non-Government	Management	114588
A Study to understand Opinion of Law Authorities on Criminalisation of Marital Rape	Maithili Ganjoo	FFV Services Private Limited	Non-Government	Mass Communication	300000
Mapping the Efficiency of Mahila Thana in Faridabad in cases of Domestic Violence	Maithili Ganjoo	FFV Services Private Limited	Non-Government	Mass Communication	247000
The Impact of Social Media Marketing on Consumer Purchasing Decisions	Nidhi Tandon	Indivation Exports Private Limited	Non-Government	Commerce	198000
Brand Loyalty in the Digital Age: Building and Sustaining Customer Relationships	Nidhi Tandon	Indivation Exports Private Limited	Non-Government	Commerce	100000
Design and Development of an AI-based Export process and documentation system	Ramesh Sahoo & Shweta Sharma	Indivation Exports Private Limited	Non-Government	Computer Science and Engineering	250000
Segmentation, Targeting & Positioning for Business Development	Priyanka Singh	Indivation Exports Private Limited	Non-Government	Management	253000
Organization Change Management post COVID 19	Farhat Mohsin	Indivation Exports Private Limited	Non-Government	Management	153200

Business Forecasting for Financial Decision Making	Amandeep Dhaliwal	Indivation Exports Private Limited	Non-Government	Management	109359
A Study on Export and Import Procedure and Documentation in Indivation Exports Private Ltd.	Tapas Kumar & Poonam Tanwar	Indivation Exports Private Limited	Non-Government	Computer Science and Engineering	170000
Design and Development of an Application for Merchandising Team, Sourcing Team, Quality Team, and Logistics Team	Ramesh Sahoo & Arko Bagchi	Indivation Exports Private Limited	Non-Government	Computer Science and Engineering	262300
Export and Import sales forecasting system using artificial intelligence and Machine Learning	Poonam Tanwar & Shweta Sharma	Indivation Exports Private Limited	Non-Government	Computer Science and Engineering	150000
A Study on Organizational Structure	Arvind Dalal	Indivation Exports Private Limited	Non-Government	Management	310000
Centralization of Financial Analysis for Business Management	Bhavesh Prakash Joshi	Indivation Exports Private Limited	Non-Government	Management	200000
A Study on Employee Benefits Management Program	Anjali Singh	Indivation Exports Private Limited	Non-Government	Management	242000
A Study on Employee Satisfaction for Organization Development	Urvashi Sharma	Indivation Exports Private Limited	Non-Government	Management	242000
Emerging Trends: New Businesses & Market Development	Neha Wadhawan	Indivation Exports Private Limited	Non-Government	Management	114588
Investigating Supply Chain and Logistics Challenges for Exporting Food Products	Durairaj Kumarasamy	Indivation Exports Private Limited	Non-Government	Economics	200000
Assessing the Covid-19 Pandemic Impact on Cosmetic Industry: Case Study of SMEs in Haryana	Durairaj Kumarasamy	Indivation Exports Private Limited	Non-Government	Economics	109112
Analysing the Impact of Efficient Working Capital Management on Small Businesses	Riya Kathuria	Oswal Poly Chem Private Limited	Non-Government	Commerce	210000

Design an optimized business system to handle commission agents, commodity brokers, auctioneers, and all other wholesalers	Poonam Tanwar & Shweta Sharma	Oswal Poly Chem Private Limited	Non-Government	Computer Science and Engineering	260000
Optimizing and improving the Chemical Manufacturing process using Artificial Intelligence and Machine Learning approach	Deepa Bura & Tanvi Gupta	Oswal Poly Chem Private Limited	Non-Government	Computer Science and Engineering	325000
Understanding Value Chain Linkages between India and Bnagladesh: A Case study of Textile Industry	Durairaj Kumarasamy	Oswal Poly Chem Private Limited	Non-Government	Economics	300000
Employer Branding for Market Development	Amandeep Dhaliwal	Oswal Poly Chem Private Limited	Non-Government	Management	310000
A Study on Financial Instruments for Risk Assessment	Bhavesh Prakash Joshi	Oswal Poly Chem Private Limited	Non-Government	Management	200000
A Study on Employee Culture at Workplace	Anindita Chatterjee	Oswal Poly Chem Private Limited	Non-Government	Management	240000
Developing Balance Scorecard for Measuring Organizational Performance	Anjali Singh	Oswal Poly Chem Private Limited	Non-Government	Management	240000
Entrepreneurship and Business Development	Arvind Dalal	Oswal Poly Chem Private Limited	Non-Government	Management	115000
Study on Public perception on India's Response to Communicable diseases	Maithili Ganjoo	Oswal Poly Chem Private Limited	Non-Government	Mass Communication	250000
Developing an emerging model to manage the Complexities of Pharma Supply Chains: Efficient solutions to deliver vital medications globally	Tapas Kumar & Harsh Bhasin	Goa Medicos Private Limited	Non-Government	Computer Science and Engineering	210000
Automated Monitoring System of Advanced Medical Products	Priyanka Rastogi & S D Mishra	Goa Medicos Private Limited	Non-Government	Computer Science and Engineering	190000
Tracking solutions for the logistics in an industry on a Real-Time basis	Tapas Kumar & Kalidass	Goa Medicos Private Limited	Non-Government	Computer Science and Engineering	200000

Domestic Animal Tracking using RF	Parul Gandhi & Seema Sharma	Goa Medicos Private Limited	Non-Government	Computer Applications	150000
Blockchain based Supply Chain Management in Pharmaceutical Companies	Usha Batra, Arvind Dangi & Shipra Kataria	Goa Medicos Private Limited	Non-Government	Computer Applications	300000
Design of Privacy Preserving Mechanism for Data Storage on Clouds	Neha Gupta & Priyanka Dadhich	Goa Medicos Private Limited	Non-Government	Computer Applications	250000
Design of Automation System using Machine Learning Approaches	Anupama Pankaj and Anjali Gautam	Goa Medicos Private Limited	Non-Government	Computer Applications	100000
The Emerging Scope of Nutraceutical Products: Challenges for Exporting Food Products	Durairaj Kumarasamy	Goa Medicos Private Limited	Non-Government	Economics	175000
Fungal Infections in Cats and Dogs food: Potential causes, prevention and treatment strategies	Sabiha Imran	Goa Medicos Private Limited	Non-Government	Biotechnology	300000
Development and Nutritional Analysis of Pumpkin based dog feed for Hair fall reduction	Madhvi Awasthi	Goa Medicos Private Limited	Non-Government	N&D	250000
Development and physio-chemical analysis of little millet-based kibbles for diabetic dog	Divya Tripathi	Goa Medicos Private Limited	Non-Government	N&D	200000
Formulation and Standardization of whey-based electrolyte probiotic drink for healthy gut	Mahak Sharma	Goa Medicos Private Limited	Non-Government	N&D	160000
Exploring the Oxidative Resilience and shelf life of low moisture pet foods	Lakhvinder Kaur	Goa Medicos Private Limited	Non-Government	N&D	143000
Understanding the nutrient profile of whole grains for optimum pet diet formulation	Lakhvinder Kaur	Goa Medicos Private Limited	Non-Government	N&D	300000
Marketing & Brand Management	Narender Tanwar	Goa Medicos Private Limited	Non-Government	Management	150000
A Study for Measuring Effectiveness of Business Strategy	Gautam Srivastava	Goa Medicos Private Limited	Non-Government	Management	125000
Ratio Analysis and Risk Assessment Study	Vinit Sikka	Goa Medicos Private Limited	Non-Government	Management	185000

A Study on Employee Motivation	Anjali Singh	Goa Medicos Private Limited	Non-Government	Management	225000
Assessing Training Requirements of Goa Medicos	Urvashi Sharma	Goa Medicos Private Limited	Non-Government	Management	150000
Emerging Trends: Employee Welfare Practices	Neha Wadhawan	Goa Medicos Private Limited	Non-Government	Management	188000
Decision Support systems in Warehouse Management	Nandini Srivastava	Goa Medicos Private Limited	Non-Government	Management	180000
Role of Logistics and Supply Chain Management in Export Success	Anjani Srivastava	Goa Medicos Private Limited	Non-Government	Commerce	250000
Antioxidant photochemical from Nyctanthesarbor-tristis	Abhilasha Shourie	Goa Medicos Private Limited	Non-Government	Biotechnology	119000

7.4 Consultancy Details

A Consultancy worth more than INR 292.93 Lacs was undertaken by faculty members of MRIIRS during AY 2022-23 for various projects including:

Revenue generated from consultancy during the year 2022-23

Name of the consultant	Name of consultancy project	Consulting/Sponsoring agency with contact details	Revenue generated (INR in Lakhs)
Nidhi Didwania	Design and construction of Rain Water Harvesting Structure at Faridabad Police Station	Navjyoti India Foundation	20000
Anindita Chatterjee Rao	Personality Profiling-Assessment and Evaluation™	ADMINISTRATIVE STAFF COLLEGE OG INDIA, HYDERABAD	12800
Soma Arora	International Marketing Management	IIFT - DGR PROGRAM	105000
Arunangshu Mukherjee	Study on Groundwater Condition in core and buffer zone for Netra Bandha Iron Ore Block	My World Consultancy Services Pvt. Ltd. (WCS) Telengapetha Cuttack Odisha-754001	100000

Arunangshu Mukherjee	Hydrological Study in respect of Raikela Iron Ore Mines in Koira Tehsil of Sundargarh district, Odisha	My World Consultancy Services Pvt. Ltd. (WCS) Telengapetha Cuttack Odisha-754001	100000
Arunangshu Mukherjee	Study on Groundwater Condition in core and buffer zone for Dholtapahar Iron Ore Block	My World Consultancy Services Pvt. Ltd. (WCS) Telengapetha Cuttack Odisha-754001	100000
Arunangshu Mukherjee	Study on Rainwater Harvesting Prospect around Netra Bandha Pahar (West) Iron Ore Block	My World Consultancy Services Pvt. Ltd. (WCS) Telengapetha Cuttack Odisha-754001	100000
Arunangshu Mukherjee	Study on Rainwater Harvesting Prospect around Dholtapahar Iron Ore Block	My World Consultancy Services Pvt. Ltd. (WCS) Telengapetha Cuttack Odisha-754001	100000
Arunangshu Mukherjee	Hydrological Studies at Dubiyara Iron ore mines situated at village- Dubiyara Tehsil-Sihora, District- Jabalpur, State- Madhya Pradesh at (Nirmala Minerals), Yash tower, Pathak ward, Katni, MP	Engeomin Consultant, 1254, Vivekanand ward, Daya Nagar, Jabalpur-482002 (M.P.)	100000
Arunangshu Mukherjee	Hydrological Studies at Dubiyara Iron ore mines situated at village- Dubiyara Tehsil-Sihora, District- Jabalpur, State- Madhya Pradesh at (Anand mining corporation), Yash tower, Pathak ward, Katni, MP	Engeomin Consultant, 1254, Vivekanand ward, Daya Nagar, Jabalpur-482002 (M.P.)	100000
Arunangshu Mukherjee	Field studies for BioDiversity in the impact area of Dholtapahar Iron Ore Block of M/s Kashvi Power & Steel Pvt. Ltd at: Sarkanda Reserve Forest under Koida tehsil in Sundargarh district of Odisha	My World Consultancy Services Pvt. Ltd. (WCS) Telengapetha Cuttack Odisha-754001	100000
Arunangshu Mukherjee	Field studies for BioDiversity in the impact area of Netrabanciha Pahar (West) Iron Ore Block of M/ s Raga Tradecon Ltd at: Baldihi&SanuaunclerKoida tehsil in Sundargarh district of Odisha	My World Consultancy Services Pvt. Ltd. (WCS) Telengapetha Cuttack Odisha-754001	100000
Monika Goel	Master Trainer on change and learning management project with Income Tax department through Ernst & Young LLP	Ernst & Young LLP, 67 Industrial Area, Sector-44 Gurugram	3072000
Arunangshu Mukherjee	Haryana Atal Bhujal Yogna Cluster-06 for District Faridabad, Rewari and Block Khol	IWRD- Government of Haryana	12431670

Arunangshu Mukherjee	Hydrogeological Survey Aquifer Monitoring in Barmer, Rajasthan of Cairn Oil and Gas Vedanta Ltd, PHASE-II	Vedanta Limited, 1st Floor, C Wing, Unit 103, Corporate Avenue, Atul Projects, Chakala, Andheri (East), Mumbai, 400093	5158559
Arunangshu Mukherjee	Jal Jeevan Mission-SISA	PHED - Government of Haryana	5052960
Arunangshu Mukherjee	Jal Jeevan Mission-ENERGY AUDIT	PHED - Government of Haryana	1280640
Arunangshu Mukherjee	CGWA NOC Consultancy	CGWA NOC Consultancy	764400

Revenue generated from corporate training during the year 2022-23

Names of the teacher-consultants/corporate trainers	Title of the corporate training program	Agency seeking training with contact details	Revenue generated (amount in rupees)	Number of trainees
Anindita Chatterjee Rao	Leadership and Self-Development	Gates India Pvt Ltd	30000	13
Deepti Dabas Hazarika	Leadership and Self-Development	Escorts Kubota Ltd	30000	11
Deepti Dabas Hazarika	Leadership and Self-Development	Honda Motorcycles & Scooters India Pvt. Ltd.	30000	10
Gautam Srivastava	Leadership and Self-Development	Hero Motorcorp Ltd.	30000	12
Anindita Chatterjee Rao	Leadership and Self-Development	Tata Consultancy Services Ltd.	30000	14
Anindita Chatterjee Rao	Leadership and Self-Development	National Highways Authority of India	30000	14
Gautam Srivastava	Leadership and Self-Development	BEN& GAWS Pvt. Ltd.	30000	12
Deepti Dabas Hazarika	Leadership and Self-Development	SEC- RIMT Engineering Pvt. Ltd.	30000	15
Deepti Dabas Hazarika	Leadership and Self-Development	Honda Cars India Ltd.	30000	13
Gautam Srivastava	Leadership and Self-Development	Knorr Bremse India Pvt. Ltd.	30000	15

Anindita Chatterjee Rao	Leadership and Self-Development	Fortis Hospitals Ltd.	30000	10
Deepti Dabas Hazarika	Leadership and Self-Development	JCB India Ltd.	30000	15
Deepti Dabas Hazarika	Leadership and Self-Development	Sony India Pvt. Ltd.	30000	9
Anindita Chatterjee Rao	Leadership and Self-Development	Maruti Suzuki India Ltd.	30000	11
Anindita Chatterjee Rao	Leadership and Self-Development	Capgemini	30000	11
Gautam Srivastava	Leadership and Self-Development	Action Construction Equipment Ltd	30000	12
Gautam Srivastava	Leadership and Self-Development	TV Today Network	15000	11

7.5 Innovation and Incubation Centre

As an integral part of student's growth in research and development, MRIIRS is proudly carrying out student driven research programme at B. Tech level from past few years. Keeping in the same MRIIRS has established Manav Rachna Innovation and Incubation centre (MRIIC) which remains thoroughly focused and dedicated towards yielding several path-breaking research and innovation activities. MRIIC is nurturing and overseeing innovation and entrepreneurship at Manav Rachna Campus. MRIIRS has been granted financial support of Rs. 2.87 Crores from DST-NESTEDB, Govt. of India for setting up of a Manav Rachna New Generation Innovation and Entrepreneurship Development Centre (MRNewGen-IEDC) in the campus to nurture student- entrepreneurial ventures. It's physical working space is more than 5000 sq. feet area with latest amenities including internet, Wi-Fi, conference rooms, multimedia projector, pantry, and recreational area. Each startup incubated at campus, receives funding of Rs. 2.5 Lakhs for the developmental work along with recurring grant. Twenty Seven startups have been incubated last year.



Some of the notable incubated startups of Manav Rachna students under the banner of MRBI, are given below:

- **Techno Planet Lab Pvt. Ltd.**

This is a company working in education space to develop new age tools, technologies and programs to create engaging K-12 learning experiences with an ultimate objective to revolutionizing education. In 21st century, technological advancements are rapidly disrupting industries with new trends evolving like self-driving cars; digital shopping; virtual worlds; life on mars. Envisioning how these disruptions will play out in our children's lives opens up a whole lot of new questions, and necessitates paradigm shifts in how we are thinking about education today. Our offering for Atal Tinkering Lab is based on creating an environment that promotes the participants to dream, the equipment allows them to tinker, the curriculum enables them to structure their thinking and the Innovation League allows them to challenge themselves. They offer equipments and solutions to setup the Atal Tinkering Labs as envisioned by NITI Aayog.

[www.http://technoplanetlab.com](http://technoplanetlab.com)



- **HyFn Games Pvt. Ltd.**

The mission of HyFn games is to create games of science fiction genre. Besides the obvious entertainment that games provide, they also create the base for young people to learn. This learning happens automatically while playing the game. Their flagship product "SpaceTrap-3D" was launched on PlayStore in 2017. Besides game development, HyFn Games has also ventured into the field of Virtual Reality bagging projects like Campus Walkthroughs for various companies. They plan to work in the field of Artificial Intelligence and Augement Reality in upcoming future. Team: Rakesh Sethi, Yugank Rastogi, Mudra Rastogi, Vishang Jad, Adhiraj Mathur, Shaurya Singh. Stage: The Company is running smoothly having a good number of projects in hand.



- **Tricho Agronica Pvt. Ltd.**

The Start-Up has received a grant of Rs 172 lacs under Indian Oil Startup Scheme (IOSUS), a "Start-up India" initiative announced by Prime Minister Shri Narendra Modi. The vision of the company is to provide Lab to Land- an eco-friendly approach. It aims to promote, develop and provide eco friendly products and technologies in safer, cost effective and sustainable manner. Keeping these perspectives in view the company has designed its first bio formulation product 'Bio elixir' which is a remedy for bull's eye pathogen at low cost. The synergistic effect of the bio elixir constituents has the capability to increase systemic resistance in plants. It is the bio fertilizer and a bio fungicide formulation. It is a non-chemical based formulation to reduce disease of tomato plant combining with features for enhancing soil structure and fertility, maintaining soil biological activities and promoting plant growth & biomass.

- **Parimukh Innovations Pvt. Ltd.**

Team of engineers from various background and expertise took the problem of Air Pollution and other environmental problem to be tackled with engineering products. Our environment is in continuous havoc like situation and if we don't give our attention to this our future generation will be suffered, it's the time when technology has to be created and implemented to protect our city lives. Team Parimukh is catering this, with their knowledge and experience from different sector they have already developed and offering PARIYAYANTRA Air filtration system and working on different technologies as well.

- **2nd Life Inning Ventures:**

The 2nd Life innings is a well-planned Website for senior citizens to ensure that you are always Happy, Comfortable, Secured and Looked after-Focusing on the minor as well as major requirements starting from Food & Diet to Security and Medical care from House- keeping to entertainment planning of the old age people. The project aims to prioritize the holistic needs of seniors, offering a seamless blend of essential services ranging from nourishing meals, safety, medical care, housekeeping, to thoughtfully curate entertainment, ensuring perpetual happiness, comfort, and security.

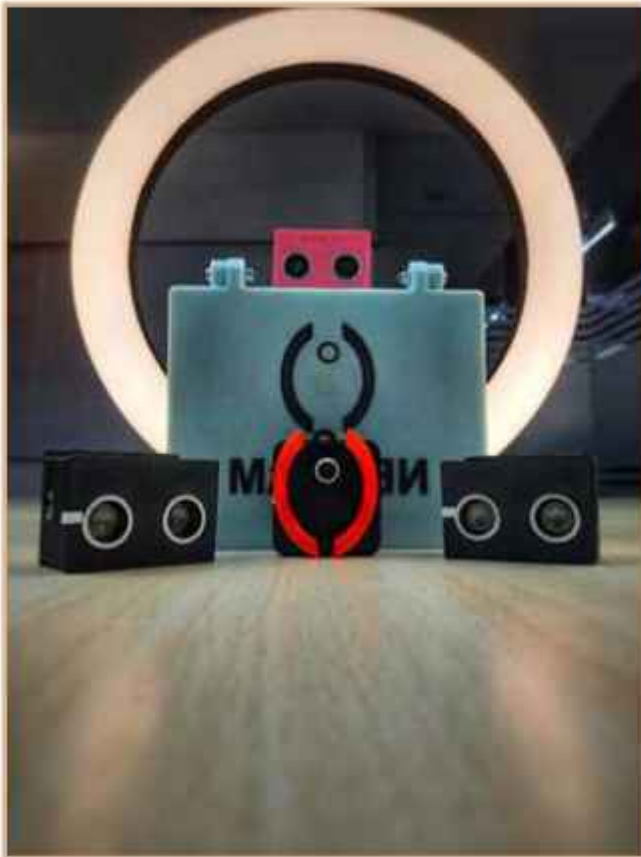
- **Manavneer LLP**

The Startup aims at water cleaning using nano material. The idea is attempted to synthesize air stable bio compatible porous nano composite material for advance absorption of pollutants from contaminated water.

- **Netra SS:**

Startup tried initially to make a cap that assists the visually impaired in navigation then looking to the aspect to make the business scalable, Startup made a kit that can be easily attached to any wearable clothes easily. Kit will provide easy packaging and help for smooth logistics and supply chain. Prototypes were showcased in different national & International contests, whereby they got accolades from the public as well from the organizers the in form of awards

and prizes. Microsoft selected a Netra venture from India to participate and contest it in the global arena in the forthcoming event to be organized at Microsoft head quarter.





Twenty-seven new start-ups have been funded and are already in place under New Gen IEDC Funding Scheme. The list is as mentioned below:

Team Members	Name of the Start-up	Nature of the Start-ups	Date of the Start-up
Udit Tiwari and Shubham Singh	Shuttle Express	Transportation	08-07-2022
Shivam Minz	Ratiram Limbs	IOT (Product based)	19-07-2022
Shreyansh Ratan	2ND Life innings	SAAS	19-07-2022
Anshu Pradhan and Hardik Saini	Soil health monitor	IOT (Product based)	14-10-2022
Neeru Rani and Arushi Bhatia	Ora Can	SAAS and Hardware	14-10-2022
Prince Kumar	ClothX	SAAS	14-10-2022
Sasanka Kalita, Kunal Dagar, Nista Madan, Deepak, Priti Bhowmik	Medplant	SAAS Biotech	14-10-2022
Pragya Vats and Anjali Tyagi	Detect Pathogen	Biotech (Product based)	14-10-2022
Rahul Saini and Ashish Dhariwal	FMDV	Biotech (Product based)	14-10-2022
T Sai Vakul	Flexo Magnetic file Retrieval System	IOT (Product based)	28-12-2022
Rohit sharma, Rudra, Aryan	Modular batteries	IOT (Product based)	29-12-2022
Drishti, Payal kaushik, Varun Gupta	Polymer for water purification	Chemistry (Product based)	25-01-2023
Taah Siddiqui	Spillmate AI	SAAS	22-02-2023
Anuvrat and Rohith	NETRA	IOT (Product based)	16-03-2023
Charan, Adity, Shruti and Sai Verma	Edukit	Edutech	16-03-2023
Kartik and Tarun Pal	Mittvani	IOT (Product based)	16-03-2023
Himanshu and Roshan	Pill box	IOT (Product based)	16-03-2023
Tanvi Sidhwani and Swati Verma	Aligntrack	SAAS	16-03-2023
Ramya Shanta	VisiodentX	SAAS Medical	17-03-2023

Sumit Chaudhary	Safety Harness System	IOT (Product based)	22-03-2023
Mukul Sharma, Bhuvnesh Sharma, Peeyush Kumar	Nutro Me	SAAS	22-03-2023
Palak and Parul	Millet based probiotic drink	Food based product	22-03-2023
Kahitiz Kumar and Harshit Walecha	Ark Surveillance System	SAAS and IOT Product based	24-03-2023
Aayush, Diya, Jatin and Shivam	Geodance	SAAS	31-03-2023
Kakudin and Anshi srivastava	Pratihara	Biotech(Product based)	01-04-2023
Paridhi Saini and Amit Dagar	Petytica	Biotech(Product based)	17-05-2023
Gulshan Chhabra and Priya Singh	Kuanos	Biotech(Product based)	01-06-2023

7.5.1 Workshops/Training programmes organized by MRIIC

This cell organizes regular workshops and seminars on entrepreneurship, with the primary objectives of identifying grassroots innovators and assisting them in their journey toward becoming successful entrepreneurs. Few of the prominent programmes have been highlighted.

- Interaction Session on Entrepreneurship: Inspiron - By Entrepreneur (29.11.2022): (Resource Person Details: Mr. Mohit Bahl, Director - Makershala & Technoplanet)



- **Workshop on Problem-Solution fit and Product-Market fit was organised by Manav Rachna Innovation and Incubation Centre (27.02.2023):** Resource Person Details: Ms. Ina Singh, Research Associate -MRIIC



- **Visit to Parimukh Innovations to view Pariyayantra Air Filtration System: National Pollution Control Day :** On the occasion of National Pollution Control Day on 2nd December, 2022, Manav Rachna Innovation and Incubation Centre organized for a select group of students to be taken on a visit to view the Pariyayantra Air Filtration System developed by Parimukh Innovations displayed at the Manav Rachna Manufacturing Workshop.



- **Workshop on Design Thinking, Critical Thinking and Innovation Design was conducted by Manav Rachna Innovation and Incubation Centre on 8th December, 2022.**



- **Idea Pitching session: Idea Pitching / Demo Day (8.12.2022):Resource Person**
Details: Mr. Vikas Sharma, Research Manager-MRIIC, Ms. Ina Singh, Research Associate-MRIIC, Mr. Pranaw Jha, Innovation Executive–Manav Rachna, NewGen IEDC, Mr. Aman Chaudhary, Innovation Executive Manav Rachna NewGen IEDC



- **Awareness session on Prototype Design and Development (03.04.2023 and 04.04.2023):** Resource Person Details: Mr. Vikas Sharma, Research Manager-MRIIC- A two-day workshop on Prototype Design and Development was conducted by Manav Rachna Innovation and Incubation Centre led by IIC President Dr. Umesh Dutta, Director, MRIIC for students of MRIIRS.



- **Discussion do's and don't's of Business models.: B-Plan Pitching (Resource Person Details:** Mr. Vikas Sharma, Research Manager, MRIIC and Ms. Ina Singh, Research Associate, MRIIC) (30.05.2023):An expert session was held beforehand to give pointers about the Do's and Don't's regarding Business Plans and what to focus on when presenting B-Plans to possible investors.



- Awareness session on Entrepreneurship: World Entrepreneurs (21.08.2023) Day (Resource Person Details: Ms. Prachi, Director, Parimukh Innovations):** Manav Rachna International Institute of Research and Studies celebrated the World Entrepreneurs Day on 21st August, 2023 and invited Ms. Prachi Sharma , Director – Parimukh Innovations Pvt. Ltd. for a session to guide young students interested in startup and innovation.



- Awareness Session on Process of Incubation (24.08.2023), Resource Person: Dr. Umesh Dutta, Director, MRIIC:** This session provided an overview of the incubation ecosystem, including the roles of incubators, accelerators, and co-working spaces. The importance of fostering innovation and entrepreneurship was discussed.





LET'S PUT WASTE TO PLAY
SWACHH
TOYCATHON

#PutWasteToPlay



Grand Finale of the country's largest Cyber Security focused Hackathon MANTHAN 2021 kick starts today



Grand Opportunity For All Technology Students!
Submit Ideas for Smart India Hackathon 2020
PROBLEM STATEMENTS RELEASED!

For eligibility & registration, visit www.sih.gov.in

SMART INDIA HACKATHON 2022

Problem Areas:

- AI & Machine Learning for Agriculture
- AI & Machine Learning for Healthcare
- AI & Machine Learning for Education
- AI & Machine Learning for Environment
- AI & Machine Learning for Smart Cities
- AI & Machine Learning for Smart Manufacturing
- AI & Machine Learning for Smart Infrastructure
- AI & Machine Learning for Smart Governance
- AI & Machine Learning for Smart Mobility
- AI & Machine Learning for Smart Energy
- AI & Machine Learning for Smart Security
- AI & Machine Learning for Smart Finance
- AI & Machine Learning for Smart Retail
- AI & Machine Learning for Smart Logistics
- AI & Machine Learning for Smart Agriculture
- AI & Machine Learning for Smart Industry
- AI & Machine Learning for Smart Services
- AI & Machine Learning for Smart Living
- AI & Machine Learning for Smart Work
- AI & Machine Learning for Smart Learning
- AI & Machine Learning for Smart Playing
- AI & Machine Learning for Smart Working
- AI & Machine Learning for Smart Living
- AI & Machine Learning for Smart Working
- AI & Machine Learning for Smart Living
- AI & Machine Learning for Smart Working

SECTORS:

- Agribusiness & Food Processing
- Healthcare & Biotechnology
- Education & EdTech
- Environment & Smart Cities
- Energy & Smart Infrastructure
- Finance & Smart Retail
- Government & Smart Governance
- Industry & Smart Manufacturing
- IT & Smart Infrastructure
- Logistics & Smart Mobility
- Manufacturing & Smart Industry
- Media & Smart Services
- Retail & Smart Living
- Security & Smart Security
- Smart Agriculture & Smart Industry
- Smart Education & Smart Learning
- Smart Energy & Smart Infrastructure
- Smart Finance & Smart Retail
- Smart Governance & Smart Living
- Smart Industry & Smart Manufacturing
- Smart Infrastructure & Smart Logistics
- Smart Living & Smart Working
- Smart Manufacturing & Smart Services
- Smart Mobility & Smart Transportation
- Smart Security & Smart Safety
- Smart Services & Smart Support
- Smart Transportation & Smart Travel
- Smart Working & Smart Productivity

SMART INDIA HACKATHON, 2020 (SOFTWARE EDITION)



MRIIRS proudly hosted the physical edition of Toycathon 2022 as one of the Nodal Centres



Smart India Hackathon 2022 hosted at Manav Rachna Nodal Centre for SIH-hardware edition grand finale



EV hackathon (Green India Hackathon) Feb. 2023

Snippets of other major events organized by MRIIC

SAMSUNG INNOVATION CHALLENGE:

- Electronics Sector Skills Council of India along with Samsung's S&P Program hosted a Hackathon in February 2023 for which MRIIRS has been chosen as the host.

LUXEMBOURG INDIA HACKATHON:

- "India - Luxembourg Hackathon Executive committee" selected MRIIRS as Host institute for India - Luxembourg Hackathon from the Delhi NCR region
- AICTE/MIC (Organizers) disbursed a sanction amount for hosting this grand event



SAMSUNG INNOVATION CAMPUS HACKATHON

MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH AND STUDIES
FARIDABAD, HARYANA

20th FEBRUARY, 2023 - 23rd FEBRUARY 2023




ONE EARTH • ONE FAMILY • ONE FUTURE

Hack the Mountains organized during September 2022



Hack the Mountains organized during September 2022

7.6 Patents Published/Granted during AY 2022-23

MRIIRS encourages its faculty members and students to file patents in different fields. The details of Patents published/granted during the year 2022-23 are as follows:

Name of the Teacher/Student	Patent Number	Title of the patent
Vishnu Raj	202341008951	Energy efficient and Green Building sustainability using Photo Voltaic Panel for Electricity Generation and Distribution.
Gurpreet Singh Matharou	202241058429,	Artificial Intelligence and IoT based Smart Education to monitoring system for student's attendance and Teacher's feedback for all education institution using Machine learning.
Gurpreet Singh Matharou	202341008951	Energy efficient and green building sustainability using photo voltaic panel for electricity generation and distribution
Gurpreet Singh Matharou	381771-001	Wind and Solar Power Charging Station.

Nidhi Didwania& Sarita Sachdeva	19879063.6 (PCT/IN2019/050794)	Bio-pesticide oil Formulation
Sonal Saluja	20231100794	Plastic Recycling Device
Sonal Saluja	202211044873	Sustainable Concrete Composition and Emthod for Preparation thereof
Yaman Hooda	202221034683 A	Practices for measuring business success in Construction Engineering
Savita	202311000200	IOT Based Traffic Monitoring Device
Usha Chahal, Shweta Mongia,	368103-001	Smart Bird Enclosure
Shweta Mongia	370592-001	Safety Glasses with Earbuds For Workers
Indu Kashyap, Rachna Behl	202211043160	System And Method for Nutrition Reporting Using Artificial Intelligence
Pinki Sagar, PronikaChawla ,Shic Charan Puri, Shruti Arya, Dr. Neeraj Kumar Singh	202211045650	An IOT Based Charging Module for Rechargeable Batteries of Electric Vehicles and Method Thereof
Meeta Singh, Poonam Chahal, Deepa Bura,Srishty, Sudeep Kumar	345369-001	Heating & Vibrating Vest for Back Pain Patients
Poonam Tanwar, Ashish Jha, Keshev, Harsh	202211063814	Design And Development of Eco-Friendly Virtual Reality (VR) Headset
Bhojar, Sanjay, Pusad, Yavatmal, Nitasha, Narwal ,Krishan, Shefali	A61B 7/04	A Heart Sound Analysis System to Detect Heart Disease.
Das, Dhiraj, Nidhi, Ashish, Nitasha, Priyanka, Narwal, Krishan, Rashmi	G05D 1/02	An Automated Drug Delivery System Based on the Internet of Things.

Mahboob Alam, Pardeep Kumar, Tapas Kumar, Anand Kumar Singh	380682-001	Covid Testing Kit with Digital Display
Mahboob Alam, Pardeep Kumar, Tapas Kumar, Kaushal Kumar, Anup Kushwaha	202311022454 A	People's Intelligent System Based On IOT, AI, Machine Learning and Cloud Computing
Charu Virmani, Anuradha Pillai	202211058296	An Integrated User-Based Query Processing System and Method for Social Network Aggregator
Meeta Singh, Gurpreet Singh, Shruti Vashist, Yogita Khanna	202211069264	Automatic Wiping System and Method Thereof
Prashant Dixit	2021104362	System & Method for Intelligent Virtual Stock Trading and Management Using Machine Learning Approach
Savita	202211075725	Home Automation System and Method
Shobha Tyagi	202023100324	Banana Fiber Based Low-Cost Sanitary Pad Production Machine With IOT
Anand Kumar Singh	202311017596	A System For Enhancing Security With IoT-Enabled Road Obstacle Avoidance Robots For Safety
Yogendra Kumar Awasthi	202211056771	A system and method for bullet trajectory of projectile estimation through its carbon black pattern
Yogendra Kumar Awasthi	202311023305	A Device for Electromagnetic Sensing, Shielding and RCS Reduction
Anand Kumar Singh	380682-001	Covid testing kit with digital display
Anand Kumar Singh	202311028401	Reinforced Multi-walled carbon nanotube film for flexible strain sensor
Abhiruchi Passi	202311005724	IoT Based Electric Physiotherapy Mini Muscle Stimulator

Pratima Manhas & Jyoti Verma	202211057636	System and Method for Remote Health Monitoring Through Internet of Things (IoT)
Leena G	202211049006	Predictive Fault Detection in Grid Connected PV system using Training Based Model
Richa Adalkha, Ashish Grover	202211054883	Real Time Identification and Ranking Health Risk Factors Using Trained Predictive Models
Rajender Kumar	202311000200A	IoT Based Traffic Monitoring Device
Sushant	202211075714A	Intrusion Detection System and Method
Dinesh Chawla	202211075715A	Energy Monitoring System and Method
Basanta Kumar Bhuyan and Rajender Kumar	202211075716A	A Pruning apparatus and method of and manufacturing the same
Seema Mahto	202211075719A	Water Heater Bottle
Sushant	202211075726A	Water Health Monitoring System and Method Thereof
Sushant and Rajender Kumar	202211065102A	System for facial expression assessment using machine learning
Deepak Kumar	202211051481 A	Artificial intelligence integrated human paradigm through organizational agility and sustainable performance
Richa Vijay , Aastha Budhiraja, Priyanka Sharma	202211058875	Behavioral detection of suspicious Host activities in an Enterprise using Deep learning
Neerja Negi	202211057636	System and Method for Remote Health Monitoring through IOT

Anupama Chadha	202221065127	The Impact of Environmental Issues on Business Management
Suhail Javed Quraishi	202241064381	Artificial Intelligence and IoT based Automatic smart health care system to monitor and avoid Blood pressure and Lung cancer to avoid it early stages for healthy life for all ages using WSN, image processing and deep learning algorithms
Usha Batra	367142-001	IoT Based Perpetual baby cradle
Usha Batra	367143-001	Infant Warmer
Neha Gupta, Rashmi Agrawal, Parul Gandhi, Anupriya Jain, Sachin sharma, Sonal Pathak, Kavita Arora	202022106373	A Novel IOT Based Digital Vermicompost Micronutrient Quality Prediction Device
Neha Gupta	2022/13290	A System Based on Artificial Intelligence Recognition for Language Maintenance
Richa Vijay, Rashmi Agarwal, Priyanka Sharma, Aastha Budhiraja	367658-001	Smart Soil samplings stick using Machine Learning.
Seema Sharma	202321005105	An assessment of strategy, networks, complexity, and innovation on organizational adaptability
Shruti Vahsisht, Geeta Nijhawan Parul Gandhi, Savita Sindhu Rajkumar, Rajender	202311000200	IoT based traffic monitoring device
Manpreet Singh	202341008222	AI based method with Nanotechnology approach to the effect of topical creams for treating blood cancer nodes
Seema Sharma	202321012869	Forecasting practices used in major manufacturing firm
Parul Gandhi	202111059116	System and method for monitoring water quality of biofloc fish culture

Lakhvinder Kaur	202211051812	Green Nanotachnology: Advancement in Phytoformulation Research
Priyanka Sethi, Preeti Saini	202241040814 A	Smart Robotic Application Integrated with Internet of Things Techniques to Automate the process of Physiotherapy excercises
Nitesh Malhotra	377158-001	Smart Helmet
Nitesh Malhotra	376959-001	Health Monitoring Device Set
Nitesh Malhotra	376960-001	Obstacle Avoidance Shoe
Nitesh Malhotra	376961-001	Smart Belt for SchoolChildren
Nitesh Malhotra	376962-001	Smart Digital Pen
Nitesh Malhotra	376963-001	Smart Walking Stick
Nikita Tomar	202311003452 A	E-Human Resource Management in Service Sector based on Artificial Intelligence in Hotel Industry
Nikita Tomar	202311020850 A	Personalized Learning System for Adaptive Education
Nikita Tomar	202311022939	Machine Learning Enabled Predictive Housekeeping for Vacation Rentals
Prachi Mor	202311011079	System and Method for Managing inventory and Distribution of Hotel rooms by multiple online travel agency using an Artificial Intelligence based Interface
Prachi Mor	202241057070 A	Customer Satisfaction towards modern Brands of Clothing Industry in India

Prachi Mor	202211040792 A	The impact of Tourism and its related companies development in India
Kunal	202311007259 A	Artificial Intelligence based appliances for simplifying food preparation
Kunal	202311009619 A	Innovative Methods and kits for identifying food sensitivities and intolerances
Durgesh Nandan	202311026198	Nutraceutical Formulation for Cognitive Functioning and Method for Preparation Thereof
William lee	202311009619 A	Innovative Methods and kits for identifying food sensitivities and intolerances
Swati Punjani	2022/04837	A method for employees satisfaction that reduces turnover intention of Employees and Leadership
Narinder Tanwar	202211057369 A	A new management approach to knowledge-creating strategic decision-making in organizations
Anjali Singh	202231052399	Artificial Intelligence based smart marketing management for customer Engagement
Urvashi Sharma	202231046196	A system and method based on convolutional neural network for evaluating electric vehicle energy demand
Madhumita Mahapatra	202211073747	The Growth of E Commerce and Supply Chain during pandemic Period
Vinit Sikka, Amit Kumar	202341001496	Analysis of Sustainable Supply Chain Management for Fashion Industry in India
Neha Wadhawan, Amit Kumar, Madhumita Mahapatra	356470-001	Solar Extension Board
Neha Yadav, Kirti Khanna, Pushpesh	202341005174	Cryptocurrency Based Finance Transition Management System

Kirti Khanna	202311004286	Financial Technologies as a tool for Comprehensive Banking Services
Neha Yadav, Pushpesh	202321005243	Customer Perception Towards E-Kart Logistics Management in Flipkart E-Commerce Portal
Neha Wadhawan, Amit Kumar	386584-001	Pepper spray pen with laser pointing technology
Nidhi Didwania, Sarita Sachdeva	453155	Biopesticide Oil Formulation
Nikita Tomar	2021/10022	A method for implementation of donation-based crowd funding to support right to education

CHAPTER-8

STUDENTS ACTIVITIES AND ACHIEVEMENTS

8.1 Examination Results

The University has adopted semester-based study programmes and a credit system of evaluation for examination of all courses. The overall pass percentage is recorded as 92.4%. The Programme wise result of final semester held in May 2023 is tabulated below:

Program Name	Number of students appeared in the final year examination	Number of students passed in final year examination
B.Tech-Aeronautical Engineering	13	13
B.Tech-Automobile Engineering	10	10
B.Tech-Biotechnology	18	17
B.Tech-Civil Engineering	11	11
B.Tech-Computer Science and Engineering	229	224
B.Tech-Electrical and Electronics Engineering	11	11
B.Tech-Electronics and Communication Engineering	25	24
B.Tech-Mechanical Engineering	37	37
B.A. (Hons) - English	25	22
B.A.-Journalism and Mass Communication	26	20
B.A. (Hons) -Applied Psychology	32	31
B.A. - Liberal Arts	2	2
B.A. (Hons) - Economics	10	10
B.Com (Hons)	39	27
B.Sc.-Nutrition & Dietetics	16	16
B.Sc. (Hons.)- Food Science and Technology	3	3
B.Sc. (Hons.)- Geology	2	2
B.Sc.- Interior Design	13	12
B.Sc.-Hospitality and Hotel Administration	14	10
B.Sc.-Information Technology	7	7
Bachelor of Computer Applications	76	71
Bachelor of Architecture (B.Arch.)	12	12
Bachelor of Business Administration (Global) - International Business	10	10
Bachelor of Business Administration-Banking and Financial Markets	17	12

Bachelor of Business Administration-General	75	55
Bachelor of Physiotherapy	37	33
Master of Physiotherapy	32	29
M.A- Public Policy and Administration	1	1
M.A.- Applied Psychology	16	16
M.A.- Economics	4	4
M.A.- English	8	6
M.A.-Journalism and Mass Communication	1	1
M.Com	7	7
M.Sc. - Biotechnology	17	17
M.Sc.-Microbiology	2	2
M.Sc.-Nutrition & Dietetics	30	28
M.Tech- Computer Engineering and Networking	1	1
M.Tech-Automation and Robotics	2	2
M.Tech-Biotechnology	3	3
M.Tech-Civil Engineering	7	5
Master of Business Administration	74	72
Master of Computer Applications	58	58
Master of Dental Surgery	15	15

8.2 Placements

Corporate Resource Centre at University engages with corporate, enables the students to fulfill their dreams of getting a job offer through campus placements. The centre offers excellent infrastructure supports at every stage of the placement processes, down from arranging pre-placement talks, written test, group discussion, interviews etc. CRC manages ongoing relationships with leading corporate to provide guidance on latest trends, and employment and training opportunities by initiating Industrial visits, Industrial training & corporate Lectures etc.

Therefore, managing Corporate - Institute interface is an important responsibility of this centre and it is also involved in brand building activities for the group. Besides its core function of Placements and Internships for the students, the CRC is engaged in a host of support functions, meant to bring about continuous improvement in student activities.

In addition, team keeps abreast with the needs of the job market during its interaction with the industries and provides valuable input to the teaching faculty regarding the market relevant skills so as to equip our students with market ready skills to make them more employable.

In an effort to streamline the placement process, an 'Online Registration Portal' for campus placement is used. All the students of Final year who are interested for placement have to register on the portal. It helps in identifying the eligible students for a particular campus drive based on the criteria provided by recruiting company.

Some of the eminent recruiters include TCS, Brillio, BITCS, Capgemini, HCL Technologies, Coforge, ADP India, Fidelity International, Sonalika International Tractor, Tech Mahindra, Honda Motorcycle, Yamaha Motor Solutions, British Telecom, Ui Path, Avizva, Nokia, Celebal Technologies, Nagarro Software and the likes.

Details of Department wise Placements for the Academic Year 2022-23 are tabulated below:

1. Faculty of Management Studies:

S.No.	COMPANY NAME	Students	Campus Type
1	ADP India	5	In Campus
2	Anand Rathi Group	3	Off Campus
3	ATS Infrastructure Ltd.	6	Off Campus
4	Attero Recycling Pvt Ltd	1	Self Placed
5	AU Small Finance Bank	2	Virtual
6	BlackNGreen Advance Mobile Solutions	1	Virtual
7	Chawla & Bhasin	1	Self Placed
8	Decathlon Sports India	1	Virtual
9	Escorts Kubota Limited	1	Virtual
10	Euler Motors	1	Off Campus

11	Expertlancing Research	1	Virtual
12	Franchise India Holdings Ltd	1	Off Campus
13	ICICI Securities	2	Virtual
14	Inflection Point Ventures	4	In Campus
15	ITC Limited	1	Virtual
16	J. Mitra & Co. (P) Ltd.	1	Off Campus
17	Keyence India Pvt Ltd	1	Virtual
18	Neepanlok Infotech	1	Self Placed
19	PhysicsWallah	1	Virtual
20	Reliance Brands Limited	2	Virtual
21	Sikand Industries	1	Self Placed
22	Skyleaf Consultants	4	In Campus
23	Solvexis Consulting Pvt Ltd	4	Virtual
24	SRVA Education	1	Virtual
25	Tata AIG	1	Virtual
26	TD Newton & Associates	5	In Campus
27	Wipro HR Services India Pvt Ltd	2	In Campus
28	Zimyo Consulting	3	In Campus
	Entrepreneurship	6	



2. Faculty of Allied Health Sciences:

S. No.	COMPANY NAME	Students	Campus Type
1	Dr. Shikha's Nutri-Health Systems Pvt.Ltd	4	Off Campus
2	Healthians	10	Virtual
3	Zyla Health	2	Virtual

3. Faculty of Computer Applications:

S.No.	COMPANY NAME	Students	Campus Type
1	Capgemini	7	Virtual
2	Celebal Technologies	1	Virtual
3	Collegeduniya.com	1	Self Placed
4	Comviva	3	Virtual
5	Credex Technology	1	Virtual
6	Hike Education	2	In Campus
7	Indegene	1	Virtual
8	Infozech Software Private Limited	2	Virtual
9	Jaro Education	1	Virtual
10	Mu Sigma	1	Virtual
11	Netcare consulting	2	Self Placed
12	Orion Credence Solutions Pvt Ltd	1	Off Campus
13	Seamless infotech pvt ltd	1	Self Placed
14	TATA 1MG Healthcare Solutions Pvt Ltd	1	Self Placed
15	TechMatrix Consulting	1	In Campus
16	To The New	1	Virtual
17	Unimrkt	1	Virtual
18	Vinove Software & Services Pvt. Ltd.	1	Virtual
19	Webkul Software	2	Virtual
20	Wipro HR Services India Pvt Ltd	8	In Campus
21	Yamaha Motor Solutions	1	In Campus
22	Zimyo Consulting	1	In Campus
23	Zoxima Solutions Pvt. Ltd	1	Virtual

4. Faculty of Engineering and Technology:

S.No.	COMPANY NAME	Students	Campus Type
1	ABS Fijutsu General Pvt. Ltd	3	Off Campus
2	ADP India	10	In Campus
3	Amber Enterprises India Ltd	4	Off Campus
4	American Express	1	Self Placed
5	Applicate IT Solutions	2	Virtual
6	Avizva Solutions Pvt Ltd.	8	In Campus
7	Axeno Consulting Private Limited	7	Virtual
8	Benori Knowledge	1	Virtual
9	BITCS	1	Virtual
10	Brillio	4	Virtual
11	British Telecom	2	Virtual
12	Capgemini	61	Virtual
13	Car Dekho.com	8	In Campus
14	Care Health Insurance	3	Virtual
15	Cavisson Systems	2	Virtual
16	Celebal Technologies	6	Virtual
17	Christian Pfeiffer	1	Virtual
18	Coforge	1	Virtual
19	Comviva	8	Virtual
20	CPM India (Agilent)	2	Virtual
21	Credex Technology	1	Virtual
22	CyberCube Services Pvt. Ltd	2	Virtual
23	DBS Tech India (DBS Bank)	3	Virtual
24	DCM Containers & Engineering Pvt. Ltd	1	Off Campus
25	Deltacma Private Limited	1	Self Placed
26	Enord Pvt. Ltd	1	Self Placed
27	Ericsson	10	Virtual
28	ETA Engineering Pvt Ltd	1	Virtual
29	EX Squared Solutions India Pvt. Ltd.	2	In Campus

30	EY Global Delivery Services India LLP	1	Self Placed
31	Fidelity International	4	Virtual
32	Gemini Solutions	6	Virtual
33	GlobalLogic-Hitachi	5	Virtual
34	Govind Sons Engg Works	1	Self Placed
35	Gurunanak Engineering Services	3	Self Placed
36	HCL Technologies	17	In CampusVirtual
37	Headout	1	Self Placed
38	Hexaview Technologies	2	Virtual
39	Hike Education	3	In Campus
40	Honda Motorcycle & Scooter India Pvt Ltd	3	Virtual
41	IndArka Energy	1	Self Placed
42	Indus Valley Partners	1	Virtual
43	Intellect Partners	3	Virtual
44	Intellewings	1	Virtual
45	Intellipaath	2	Virtual
46	Jaro Education	1	Virtual
47	JBM	3	Off Campus
48	JSW Group	1	Virtual
49	JTEKT India Ltd	1	Virtual
50	Koyo Electronics India Pvt. Ltd. (JTEKT)	1	In Campus
51	KPMG India	1	Virtual
52	Legato Health Technologies	6	Virtual
53	Lumiq	2	Virtual
54	Lutron India	1	Virtual
55	MAQ Software	1	Virtual
56	Mu Sigma	1	Virtual
57	Nagarro Software	3	Virtual
58	NCR Corporation	1	Virtual
59	NewGen Software	2	Virtual
60	Nokia	10	Virtual In Campus

61	Oppo Mobiles India Private Limited	1	Off Campus
62	Polymedicure	1	Virtual
63	Prolifics	12	Virtual
64	RDC Concrete (India) Pvt Ltd	1	Virtual
65	S&P Global	1	Virtual
66	Sanden Vikas India Pvt Ltd	1	Self Placed
67	Sonalika International Tractors Ltd	1	In Campus
68	SoulSurfer	2	InCampus
69	Space Group	2	In Campus
70	Sterling Tools Ltd	1	Self Placed
71	TCS	11	Virtual
72	Tech Mahindra	3	Virtual
73	TechMatrix Consulting	1	In Campus
74	Thirty Six Toyota	1	Self Placed
75	To The New	2	Virtual
76	Tourlandish Online Ventures Private Limited (Headout)	1	Self Placed
77	T-Systems	1	Self Placed
78	Turning Minds (Upgrad)	1	In Campus
79	Ui Path	2	Virtual
80	Uno Minda Group	4	In Campus
81	Vegazva Group	4	Virtual
82	Vinove Software & Services Pvt. Ltd.	1	Virtual
83	Vipur Motors Pvt ltd	1	Self Placed
	Entrepreneurship	5	

5. Faculty of Media and Humanities:

S.NO	COMPANY NAME	Students	Campus Type
1	Absolute Sports Private Limited	1	Self Placed
2	Acropole Travels Pvt. Ltd	1	Self Placed
3	ELITE	1	Self Placed
4	Radio Manav Rachna	1	Self Placed
5	Thought Bulb Research and Development LLP	1	Self Placed

6. Faculty of Commerce and Business Studies:

S.NO	COMPANY NAME	Students	Campus Type
1	Expertlancing Research	1	Virtual
2	Hike Education	2	In Campus
3	Jaro Education	1	Virtual
4	NTT Data Science	1	Virtual
5	Shahi Exports Pvt.	1	Off Campus
6	Wipro HR Services India Pvt Ltd	6	In Campus

7. Faculty of Behavioral & Social Science:

S.NO	COMPANY NAME	Students	Campus Type
1	Autism Centre for Excellence (ACE)	1	Virtual

8. Faculty of Dental Science:

S.NO	COMPANY NAME	Students	Campus Type
1	Clove Dental	7	off Campus
2	Toothsi	6	Virtual

8.3 Extra-Curricular Activities

Students Welfare at Manav Rachna International Institute of Research and Studies supports students in every aspect of their lives, including academics, social interactions, emotional well-being, and physical health. It encourages general well-being of the students and assists them in realizing their greatest potential by providing them diverse fields to explore alongside the academic curriculum to provide students with a comprehensive education. The activities organised by Students Welfare enhance the overall development, encourage well-rounded personal and professional development, provide a platform for exploration and raise social awareness and responsibility among the students.

Students Welfare also offers opportunities for students to excel in areas such as Dance, Music, Fashion, Theatre, Fine Arts, and Photography, while also instilling a sense of social responsibility. Keeping in mind the same, in the academic year 2022-2023, Students Welfare associated with various Government initiatives, including the National Service Scheme, Red Cross Society, Unnat Bharat Abhiyaan, Parayavaran Sanrakshan Gathividhi, District Legal Services Authority, Haryana State Commission for Women and various NGOs and Foundations with the motive to promote social well-being in the society. These included "Prabhat-An awakening NGO", Udaan NGO, Energy Swaraj Foundation, Women Information Network, Global Initiative for Peace and Wellbeing, All India Council of Human Rights, Liberties and Social Justice, and IAPEN India Association-Delhi Chapter and many more.

Students Welfare initiates and leads campaigns addressing various social issues that contribute to the betterment of society. These events cultivate socially conscious students who are empathetic and proactive in their leadership roles. Notable events organized by Students Welfare, with a focus on social welfare and dedication to society, encompassed initiatives such as "One Tree for Nation," "Youth Red Cross Training Camp," "CYBER JAGROOKTA" - a program on legal awareness and cybercrime, the "SIP Three Days Online Workshop", Awareness Drive for Road Safety and Training Sessions on Basic First Aid and Basic Disaster Management.

Students Welfare coordinated a diverse array of Cultural Activities and commemorated National and International Days to share knowledge, foster inclusivity, and promote unity among all individuals. The objective of organizing such events is to encourage students to embody the principles and ideals associated with these significant days. These days include Bhartiya Bhasha Utsav -13, Christmas and New Year Celebration, Lohri and Pongal Celebration, Basant Panchami Celebration, the Celebration of International Women's Day 2023, Road to Resurrection: Curtain Raiser, Resurrection-2K23, Technovogue, and Visit by the Star Cast of "Fouja" and World Environment Day.

Students Welfare organised the highly anticipated and engaging Annual Cultural Fest "Resurrection". It disseminated vibrant and colourful energy across the Campus. It provided a platform to the students to showcase their potential and compete with their peers. Events in different verticals like Dance, Music, Fine Arts, Literary and Fashion were organised.

8.3.1 Various Student Societies/Groups:

In order to cater the varied interests of the students, Students Welfare provides students with the opportunity to explore their passions, showcase their talents, and participate in cultural activities through the diverse group of Societies engaged in Sustainability. By joining these societies, students can delve into their interests, collaborate on projects, and connect with like-minded peers.



Surtarang
Music Society



Mridaksh
Dance Society



Paigam
Theatre Society



Aarekh
Fine Arts Society



Aaira
Fashion Society



Noosha
Literary Society



Naqsh
Photography Society



OverClock
Gaming Society



Idhika
Eco Society



NSS



Spicmacay Chapter

The Music Society "Surtarang" encourages students with a passion for music to come together and nurture their musical talents. It organizes various musical performances, jam sessions, workshops, and competitions to provide a platform for members to showcase their skills, whether they are vocalists or instrumentalists. The Dance Society "Mridaksh" caters to students enthusiastic about dance. It offers opportunities to learn and perform various dance styles through regular workshops, choreography sessions, and on- and off-campus performances. Dramatics Society "Paigam" is dedicated to students interested in theatre and acting. It organizes drama productions, skits, street plays, and theatre workshops to provide students with a platform to explore acting, scriptwriting, stage management, and production. "Nusha", The Literary Society focuses on nurturing students' literary talents and enhancing their creative writing and communication skills. It conducts poetry recitation events, storytelling sessions, debates, quizzes, and writing competitions and the society of Fine Arts

"Aarekh" caters to students passionate about visual arts. It offers a platform for students to explore various art forms such as painting, sketching, sculpture, and photography. The society organizes art exhibitions, workshops, and competitions to showcase students' artistic abilities. Photography Society "Brownie" is dedicated to students interested in photography and visual storytelling. It conducts photography workshops, photo walks, exhibitions, and contests, allowing students to enhance their photography skills, learn new techniques, and exhibit their work and the Fashion Society "Aaira" brings together students passionate about fashion, styling, and design. It organizes fashion shows, workshops, and styling competitions, encouraging students to explore the fashion industry, experiment with trends, and showcase their unique sense of style.

- **Eco Society IDHIKA**

Society responsible for organizing activities like environment related youth parliament, youth forums in association with Dr. O.P Bhalla Foundation, Unnat Bharath Abhyan, SAP (Swachatha Action Plan), Paryavaran Sanrakshan Gatividhi. It also undertakes activities on Waste management, Water Conservation, Energy Conservation and many more. The Society participates actively in advocacy for eco awareness across campuses, rural and urban areas. It works in liaison with different departments to form ecological partnerships.

- **Music Society SURTARANG**

This group covers activities like solo singing, duet singing, group singing, jugalbandi, battle of bands, folk music, sufi, classical, western music, instrumentals, parody, jamming, music festivals, etc. Surtarang uses the immense power of music in promoting human development, relationships, and strong social connections within the campus and in the community.

- **Dance Society MRIDAKSH**

This troupe covers activities like solo dance, duet dance, group dance, western (salsa, jazz, street etc.), traditional, folk dance competitions, dance festivals, etc. Mridaksh aims to expand social and cultural interaction, and provide an overall community feeling of good health, well-being and togetherness. It motivates its members to harness their abundant energies to worthwhile objectives.

- **Literary Society NOOSHA**

This forum covers activities like debate & declamation, MUN, youth parliament, quiz & GK, poetry, article writing, book reviews, film reviews, essay writing, news & views, literary festivals, TV anchoring & news reporting, panel discussions, story making & telling competitions etc. Noosha not just trains its members to conceive ways that the individual can relate to society but also to be more in sync with the way human cognition works. It also helps members to not just understand what it tells but methods of how to express it. The members are enabled to analyze the interfacing of the social, economic and the ecological as they work on different forms of literature.

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- **Arts Society AAREKH**

This club covers activities like sketching, painting, clay modeling, pottery, cartoon making, caricature making, tattoo making, sculpture making, Rangoli making, festival of arts, Origami, art festivals etc. The society is not only creating visually engaging work, but also thinking through complex social issues within their art practices. The Society also prepares its members to effectively enhance creativity and sustainable health.

- **Theatre Society PAIGAM**

This troupe covers activities like nukkad nataks, drama, skits, standup comedy, mono acting, mimicry etc. The influence of drama upon development of thought and society has always been immaculate. Paigam targets cultural innovation, artistic values, and protection and promotion of heritage and values commitments. Paigam promotes sustainable interventions, learning and motivation for behaviour change which eventually leads to social cohesion, self-esteem, cognitive skills and community mood.

- **Fashion Society AAIRA**

This group covers activities like hairstyling, beauty contests, ramp walks, best dress, crazy caps, fashion shows, display/ tablo competition, fancy dress, character display (based on an era, writings), etc. Aaira helps develop committed members to fully integrate sustainability goals into all its activities. The Society members understand how all the elements of the fashion business model and supply chain affect people and planet as they research, practice and develop events and activities.

- **Photography Society NAQSH**

This cluster covers activities like photography, film making, videography, photo walks, workshops, theme based photography, exhibitions, etc. Along with learning photographic techniques and exploring creative perceptions, the members are motivated to be agents of change and are expected to lead efforts to translate this vision into reality.

- **National Service Scheme (NSS Wing)**

This team covers areas like social responsibility of Environment, Anti-ragging awareness, Health & Hygiene, Sustainable development, Education for all, Computers for all, language enhancement for housewives, Education for labor kids etc. Completely organised by the NSS wing, both students and teachers through their combined participation in social service, get a sense of involvement in the tasks of National Development. From serving the underprivileged to community outreach, the NSS society is involved in diverse contributions towards building Sustainable Communities.

- **e-Gaming Society OVERCLOCK**

Overclock the eGaming Society is an opportunity for students to socialize and have fun together based on their hobby of playing video games. Students have an avenue to play multi and single player games, and spend time discussing gaming strategies and preferences. Overclock addresses inclusivity concerns, and ensures ethical game development practices. By acknowledging and tackling these hurdles, the Society actively contributes towards sustainable development while creating an engaging and all-encompassing gaming community, contributing to digital empowerment.

- **Manav Rachna Spicmacay Chapter**

Manav Rachna's Spicmacay chapter promotes various aspects of Indian cultural heritage by promoting Indian classical music, classical dance, folk music, yoga, meditation, crafts and other aspects of Indian culture. Some of the activities include: FEST series, VIRASAT series, National Conventions for students and teachers, Music in the Park, the SPICMACAY Scholarship Programme, heritage walks, talks by eminent thinkers and Yoga camps among many more.

Activities undertaken by different Societies on Sustainability

S. No.	Name of the Event	Name of the Society	SDG's Covered
1	World Nature Conservation Day	Eco Society "Idhika"	13
2	International Youth Day	Theatre Society "Paigam"	16
3	Celebration of Independence Day	All Societies	16
4	One Week for Nation-Azaadi ka Amrit Mahotsav	Eco Society "Idhika"	6,13
5	Celebration of Janmashtami	All Societies	10
6	Celebration of Ganesh Chaturthi	All Societies	10
7	Shikshak Parv Celebration: Be a teacher to someone	National Service Scheme	4,1
8	Observance of Swachhta Pakhwada	Eco Society "Idhika"	6,7,13
9	Observance of Gandhi Jayanti	All Societies	16
10	Energy Efficiency Day	Eco Society "Idhika"	7
11	Celebration of Durga Puja	All Societies	10
12	Celebration of Eid-e-Milad	All Societies	10
13	International E-Waste Day	Eco Society "Idhika"	12
14	World Hygiene Day	All Societies	3,6
15	Observance of Vigilance Awareness Week	Literary Society "Noosha" and Theatre Society "Paigam"	16
16	Observance of National Unity Day	Literary Society "Noosha" and Theatre Society "Paigam"	16
17	Celebration of Ticket to Childhood	All Societies	11

18	Wildlife Conservation Day	Eco Society "Idhika"	15
19	World Soil Day	Eco Society "Idhika"	15
20	Bhartiya Bhasha Utsav	Literary Society "Noosha"	10
21	Christmas and New Year Celebration	All Societies	10
22	My Gov Campus Ambassador Programme	Literary Society "Noosha" and Theatre Society "Paigam"	17
23	Rotary Young Leadership Awards 2023	All Societies	17
24	Participation of Students in Film Screening and Panel Discussion of Indian Movie "Invisible Demons"	Theatre Society "Paigam"	12
25	Lohri and Pongal Celebration	All Societies	10
26	One Tree for Nation	Eco Society "Idhika"	15
27	Observance of National Voter's Day	Theatre Society "Paigam"	16
28	Republic Day Celebration	All Societies	16
29	Basant Panchami Celebration	All Societies	10
30	Youth Red Cross Training Camp	National Service Scheme	17
31	International Mother Language Day	Literary Society "Noosha"	10
32	CYBER JAGROOKTA"-Programme on Legal Awareness and Cyber Crime	Theatre Society "Paigam"	8
33	Celebration Of International Women's Day 2023	All Societies	5
34	SIP Three Days Online Workshop	Eco Society "Idhika"	6,7,13,14,15
35	Energy Literacy Training on Energy Swaraj Foundation	Eco Society "Idhika"	7
36	Technovogue	Fashion Society "Aaira"	9
37	World's Largest Global Climate Clock Assembly and Display Event on World Earth Day	Eco Society "Idhika"	13
38	Visit of Solar Man of India	Eco Society "Idhika"	13
39	Celebration of Mother's Day	All Societies	10,11
40	Awareness Drive on Road Safety	Theatre Society "Paigam"	11
41	Participation of students in Maggi: Desh Ke Liye 2 Minute Contest	Fine Arts Society "Aarekh"	3,12
42	One Day Basic First Aid and Basic Disaster Management Training	National Service Scheme	3,11
43	"FOUJA"-Promotion of Haryanvi Cinema and Culture	Theatre Society "Paigam"	10
44	Celebration of World Environment Day	Eco Society "Idhika"	6,7,13,14,15
45	Celebration of International Yoga Day	All Societies	3
46	Samarambh Community Outreach Program under MRLSP and UBA	Clans	1,4,6
47	Greenbelting for a Greener Earth under UBA	National Service Scheme	15
48	Session on Road Safety, Drug Abuse and Cyber Crime during Deeksharambh	Theatre Society "Paigam" and National Service Scheme	8,12

49	Session on Sahaja Yoga and Wellness	All Societies	3
50	One Week Workshop on Water and Life 1.0	Clans	14
51	Akhil Bhartiya Shiksha Samagam 2023, MoE, Govt. of India	Student Council	4

National Service Scheme (NSS)

which is a very important Unit under the Ministry of Youth Affair and Sports engages students in social service activities and promotes a sense of social responsibility and active citizenship. The Spicmacay Manav Rachna Chapter imbibes the culture of rich heritage amongst the students by inviting renowned Classical and Folk artists in the field of Music and Dance.

Manav Rachna Life Skill Programme (MRLSP):

To initiate and propagate the spirit of camaraderie and to provide a rich nurturing ground for honoring the Life Skills of students, Manav Rachna has introduced the concept of a close-knit family, that of a CLAN. Striving for achieving the common goal at MRIIRS, students are designated to different Clans, irrespective of their belonging to any department or their infrastructural habitation in the University. There are 4 Clans, each represented by an environmental element and a Mascot - The Air Falcons, The Water Sharks, The Forest Rhinos and The Wild Cats. There are Five categories of activities to be looked after under every Clan- Sports, Media, Literary, Cultural, ISR- Community Services.

THE ROLE OF THE CLANS - At the core, the role of the clans is to create more fervent connections at Manav Rachna, as well as to:

1. Facilitate an environment for students which promotes academic excellence and improves personal development keeping the fun factor alive.
2. To promote friendship & respect amongst pupils.
3. To empower students and educator groups wherein they can collaborate in aiding the development of real-life skills.
4. To create a sense of responsibility, loyalty and tolerance towards seniors, peers and the parent institution.
5. To be able to harness the talent; the ability to arrive at consensus of views and the ideas coming from a larger number of students.
6. And finally, to create healthy competition. Manav Rachna has created a strong organizational structure for implementation of Manav Rachna Life Skills

Programme (MRLSP) to ensure that this initiative is seriously conceptualized, driven and effectively executed across the university.

Details of cultural events organized during the Academic Year 2022-23:

S. No.	Name of the Event	Date(dd.mm.yyyy)
1	World Nature Conservation Day	28.07.2022
2	International Youth Day	11.08.2022
3	Celebration of Independence Day	15.08.2022
4	Celebration of Janmashtami	19.08.2022
5	One Week for Nation-Azaadi ka Amrit Mahotsav	15.08.2022-22.08.2022
6	Celebration of Janmashtami	19.08.2022
7	Celebration of Ganesh Chaturthi	31.08.2022
8	Celebration of Teacher's Day	05.09.2022
9	Observance of Swachhta Pakhwada	18.09.2022-02.10.2022
10	Observance of Gandhi Jayanti	02.10.2022
11	Energy Efficiency Day	05.10.2022
12	Celebration of Durga Puja	05.10.2022
13	Celebration of Eid-e-Milad	09.10.2022
14	International E-Waste Day	14.10.2022
15	Observance of Vigilance Awareness Week	26.10.2022-01.11.2022
16	Observance of National Unity Day	31.10.2022
17	Wildlife Conservation Day	04.12.2022
18	World Soil Day	05.12.2022
19	Bhartiya Bhasha Utsav	03.12.2022
20	Christmas and New Year Celebration	27.12.2022
21	My Gov Campus Ambassador Programme	10.01.2023
22	Rotary Young Leadership Awards 2023	14.01.2023-15.01.2023
23	Participation of Students in Film Screening and Panel Discussion of Indian Movie "Invisible Demons"	17.01.2023
24	Lohri and Pongal Celebration	12.01.2023
25	One Tree for Nation	12.01.2023
26	Observance of National Voter's Day	25.01.2023
27	Republic Day Celebration	26.01.2023
28	Basant Panchami Celebration	26.01.2023
29	Cultural Evening by Students Welfare	15.02.2023
30	Youth Red Cross Training Camp	20.02.23-28.02.23

31	International Mother Language Day	21.02.2023
32	CYBER JAGROOKTA"-Programme on Legal Awareness and Cyber Crime	03.03.2023
33	Celebration Of International Women's Day 2023	06.03.2023
34	SIP Three Days Online Workshop	10.03.23-12.03.23
35	Certification Ceremony of Student Council 2021-2022 And Flag Bearing Ceremony of Student Council 2022-2023	21.03.2023
36	ROAD TO RESURRECTION: Curtain Raiser	27.03.2023
37	Resurrection-2K23	31.03.2023-01.04.2023
38	Energy Literacy Training on Energy Swaraj Foundation	05.04.2023
39	Technovogue	12.04.2023
40	World's Largest Global Climate Clock Assembly and Display Event on World Earth Day	22.04.2023
41	Visit of Solar Man of India	27.04.2023
42	Celebration of Mother's Day	08.05.2023
43	Awareness Drive on Road Safety	11.05.2023
44	Participation of students in Maggi: Desh Ke Liye 2 Minute Contest	20.05.2023
45	One Day Basic First Aid and Basic Disaster Management Training	29.05.2023
46	"FOUJA"-Promotion of Haryanvi Cinema and Culture	02.06.2023
47	Celebration of World Environment Day	05.06.2023

Details of Life Skills related programmes organized during the year:

EVENTS ORGANISED UNDER MANAV RACHNA LIFE SKILLS PROGRAM		
S. No.	Title of Event	Dates of the Events
1	Awareness Programs on Water Conservation and Management	28.07.2022
2	Two Week Workshop on Air Pollution and it's prevention Neela Aasma"	07.09.2022
3	One Week Program on Essence of Water-Jalsa 2.0	14.11.2022
4	One Month Earth Protection Program	05.12.2022
5	April Kool-3.0	01.4.2022
6	Yoga Adhyaay-3.0	16.05.2022

7	Rethinking Gender and Consent	31.05.2022
8	Training Program on Theatre	20.08.2022
9	Training Program on Dance	20.08.2022
10	Training Program on Fashion	20.08.2022
11	Training Program on Music	20.08.2022
12	5 Day Lifeskills program on effectively managing the resources for gardening in the campus.	15.05.2023
13	Two Weeks Green India Campaign	06.03.2023
14	SAVE NEER- Chapter 1.0	01.03.2023



**Celebration of
Independence Day
15.08.22**

Lat: 28.45054181353108
Long: 77.28375958919312
Manav Rachna International Institute
of Research and Studies Sector - 43
Faridabad, Haryana, 121004



Lat: 28.45054181353308
Long: 77.28375958919312
Manav Rachna International Institute
of Research and Studies, Sector 43,
Faridabad, Haryana, 121004

Har Ghar Tiranga Rally and Selfie/Photography with Tiranga



Lat: 28.45054181353308
Long: 77.28375958919312
Manav Rachna International Institute
of Research and Studies, Sector 43,
Faridabad, Haryana, 121004

Shikshak Parv Celebration: "Be a Teacher to Someone"-05.09.23



Lat: 28.45054181353308
Long: 77.28375958919312
Manav Rachna International Institute
of Research and Studies Sector 43,
Faridabad, Haryana, 121004

Shikshak Parv Celebration: "Be a Teacher to Someone"-05.09.23



Lat: 28.45051351422898
Long: 77.28374886012303
Manav Rachna International Institute of
Research and Studies
Sector 43, Faridabad
Haryana
TOWARDS NEW FRONTIERS
121004

Sharing is Caring-27.12.22 (Christmas and New Year Celebration)



Lohri and Pongal Celebration-12.01.23



Basant Panchami Celebration-26.01.23



Lat: 28.45054181353308
Long: 77.28375958919312
Manav Rachna International Institute
of Research and Studies, Sector 43,
Faridabad, Haryana, 121004

Celebration of Mother's Day-12.05.23



Lat: 28.45054181353308
Long: 77.28375958919312
Manav Rachna International Institute
of Research and Studies, Sector 43,
Faridabad, Haryana, 121004

Celebration of World Environment Day 2023



Celebration of International Yoga Day-21.06.23



Celebration of International Yoga Day-21.06.23



Cultural Performances by students of different Societies



Activities related to Life Skills



Workshops and Training Sessions - Cultural and Life Skills



Resurrection 2K23

8.4 Sports Activities organized during AY-2022-23

Manav Rachna Sports Academy (MRSA) delivers an exceptional platform and experience for sports, catering to all enthusiasts who desire to take their sporting spirit to greater heights. Whether you are a newcomer to the sports world or someone seeking to enhance your skills, the Manav Rachna Sports Academy offers a diverse range of options. With cutting-edge facilities, highly skilled trainers, and frequent sports clinics led by renowned coaches, it serves as a comprehensive sports hub for all sports enthusiasts. MRSA was established by MRIIRS with the goal of promoting sports not only in North India but throughout the entire country. Players highly value the opportunity to participate in specially tailored programs that meet their specific needs and engage in intensive practice sessions, which contribute to the advancement of their sporting techniques, all under the guidance of our proficient coaches.

At MRSA, a diverse range of sports facilities is available, catering to various activities such as Badminton, Table Tennis, Lawn Tennis, Chess, Carom, Basketball, Volleyball, Shooting, Swimming, Physiotherapy, Squash, Skating, Soccer and Boxing. These facilities have been carefully designed in partnership with well-known brands like YONEX for Badminton and STAG for Table Tennis. Furthermore, MRSA is home to the Manav Rachna Cricket Academy (MRCA), which was officially opened by the legendary cricketer Virender Sehwag on July 6, 2012. While the primary focus of the Academy is to provide training to students of Manav Rachna School, it also welcomes the local residents of Faridabad during evening hours. MRSA, inspired by the remarkable reputation of MREI, is dedicated to nurturing sports talents from an early age, starting from Nursery onwards, and continuously strives for growth and improvement.



Team Sports



MRIIRS Students participating in Sports activities



Snippets of Manav Rachna Corporate Cricket League



Snippets of Manav Rachna Corporate Cricket League



Snippets of Sports activities organized during the year

Details of major sports events organized/participation of MRIIRS students in various events during the Academic Year 2022-23 are tabulated below:

Name of the Event/ Competition	Date of Event/Competition (DD-MM-YYYY)
Directorate Sports organized Special Olympic Bharat National Coaching Camp Table Tennis (M&W) at MRIIRS Campus	15-07-2022 to 20-07-2022
Directorate Sports organized National Coaching camp Unified Football (Female) at MRIIRS Campus	20-07-2022 to 30-07-2022
Directorate Sports organized Organ India Badminton Training Camp at MRSA Sector-14, Faridabad	02-08-2022 to 05-08-2022
Sports Orientation Programme 2022-23 (Engineering and Other than Engineering Students)	23-08-2022 & 26-08-2022
Sports Workshop 2022	06-09-2022
Directorate organized Sports Extravaganza (Sports event & Sports Activities) as a part of the Manav Rachna Silver Jubilee Celebration on the occasion of Teachers day celebration	05-09-2022
Directorate Sports organized Selection Trials for the Manav Rachna International Institute of Research and Studies Students for participating in All India and North Zone Inter University Sports tournaments and All India Technical Sports Tournaments. Trials Schedule Volleyball (M&W) , Basketball (M&W) on dated 13th September 2022 and Badminton, Table Tennis (M&W) & Squash (M)	13-09-2022 to 15-09-2022
New Boxing Ring Inauguration at Indoor sports arena (Q Block) for Manav Rachna Students	17-09-2022
Master Anish Bhanwala Student of BBA(G) won the Gold Medal (Team Event) & Silver Medal (Individual), Silver (Mixed Team) in ISSF Junior World Cup 2022 in Rapid Fire Pistol Shooting Event held at Suhl, Germany	09-05-2022 to 20-05-2022
Master Anish Bhanwala Student of BBA(G) won the Gold Medal (Team & Individual), in 36th National Shooting Games 2022 held at Ahmadabad , Gujrat	29-09-2022 to 12-10-2022
Ms. S. Suganya student of B.A (Pol Science) FBSS, MRIIRS won the Silver medal in 48th Tamil Nadu State Shooting Championship 2022 held at Pudukkottai	31-08-2022 to 04-09-2022
Ms. S. Suganya student of B.A (Pol Science) FBSS MRIIRS won Silver medal in XIII South Zone Shotgun Shooting Championship 2022 in Hyderabad	18-09-2022 to 24-09-2022
Master Tushar Soni Student of BBA(G), MRIIRS won the Gold medal in 57th Punjab Rifle Senior State Shooting Championship 2022 (Men) Individual (NR) Category held at SAS Nagar, Mohali	19-09-2022 to 24-09-2022

Directorate Sports organized Special Olympic Bharat National Coaching Camp Table Tennis (M&W) at MRIIRS Campus	10-10-2022 to 14-10-2022
Manav Rachna International Institute of Research and Studies Sports teams participated in BOSM 2022 organized by BITS Pilani Rajasthan	14-10-2022 to 18-10-2022
Directorate Sports organized Triangular Corporate Cricket Series (Friendship Cup 2022) between Maruti Suzuki, Aaj Tak and Manav Rachna	16-10-2022
Ms Amiti Mahajan Student of FET CSE (B.Tech) MRIIRS won the Silver medal in Kick Light Category & Bronze medal in Point Fight Category in 2nd Wako Indian Open International Kick Boxing Tournament 2022 held at Talkatora indoor Stadium, New Delhi.	02-11-2022 to 06-11-2022
Director Sports organized Archery Demo at Manav Rachna International Institute of Research and Studies Cricket ground	11-11-2022
Manav Rachna International Institute of Research and Studies Badminton (Men) team participated in North Zone Inter University Badminton (M) Tournament 2022-23 held at MDU, Rohtak	22-11-2022 to 27-11-2022
Manav Rachna International Institute of Research and Studies Badminton (Women) team participated in North Zone Inter University Badminton (W) Tournament 2022-23 held at MDU, Rohtak	22-11-2022 to 27-11-2022
Directorate Sports organized Cricket Match (Friendship Cup) between President State XI V/S Manav Rachna Corporate Cricket team	10-12-2022
Manav Rachna International Institute of Research and Studies Volleyball (Women) team participated in North Zone Inter University Volleyball (W) Tournament 2022-23 held at Chitkara University, Himachal Pradesh	18-12-2022 to 20-12-2022
Manav Rachna International Institute of Research and Studies Football (M) team participated in North Zone Inter University Football (M) Tournament 2022-23 held at GNA University, Phagwara, Punjab	16-12-2022 to 24-12-2022
Master Yashwardhan Singh student of BBA (G) MRIIRS won Gold Medal (60 Kg. Category) & Best Boxer of the Tournament and he got 45K cash award in 4th Junior National Boxing Championship 2022 held at Patna (Bihar)	17-12-2022 to 22-12-2022
MRIIRS Athletic (M) team participated in North East Zone Inter University Athletic (M&W) Tournament 2022-23, at KIIT University Bhubneshwar, Odisha	20-12-2022 to 23-12-2022
Master Sahib Singh, B. Com students of MRIIRS won Gold Medal (Score - 18.71 Mtr.) in North- East Zone Inter University Athletic (M & W) Tournament 2022-23 in Shotput Event held at KIIT University Bhubneshwar, Odisha	20-12-2022 to 23-12-2022
Manav Rachna International Institute of Research and Studies Volleyball (M) team participated in North Zone Inter University Volleyball (M) Tournament 2022-23 held at M.J.P. Rohilkhand, University, Bareilly, U.P.	21-12-2022 to 25-12-2022
Ms. Amiti Mahajan Student of B.Tech, (FET, MRIIRS) won the Gold medal in 18th National Taekwondo ITF Championship 2022 held at Rishikesh	27-12-2022 to 28-12-2022
Manav Rachna International Institute of Research and Studies Basketball (M) team participated in North Zone Inter University Basketball (M) Tournament 2022-23 held at Jamia Millia Islamia University Delhi	25-12-2022 to 31-12-2022

Manav Rachna International Institute of Research and Studies Basketball (Women) team participated in North Zone Inter University Basketball (W) Tournament 2022-23 held at Govt Arts and sports College Jalandhar, Punjab being hosted by Maharaja Bhupinder Singh Punjab Sports University Patiala	02-01-2023 to 07-01-2023
Manav Rachna International Institute of Research and Studies Table Tennis (M) team participated in North Zone Inter University T.T. (M) Tournament 2022-23 held at University of Delhi, New Delhi	02-01-2023 to 04-01-2023
16th Manav Rachna 20-20 Corporate Cricket tournament 2023	07-01-2023 to 25-03-2023
Sports workshop	17-01-2023
Patriotic Run (Mini Marathon) with Tiranga on the EVE of the 74th Republic day	26-01-2023
Manav Rachna International Institute of Research and Studies organized All India Inter University 25 Mtr, 50 Mtr & Shotgun Shooting Championship 2022-23	09-02-2023 to 12-02-2023
Manav Rachna International Institute of Research & Studies Shooting (M& W) team participated in All India Inter University (25 Mtr. & 50 Mtr. & Shotgun) Shooting (M) Championship 2022-23	09-02-2023 to 12-02-2023
MRIIRS Students Master Shapath Bhardwaj Won Gold Medal in Trap (Individual) Event & Master Anish Bhanwala won Bronze Medal in Rapid Fire (Individual) Shooting events And Kirti Gupta, Suhanya Singh & Bhavna Chaudhary Won Bronze Medal in Trap (Team Event) of AIIU Shooting Championship 2022-23	09-02-2023 to 12-02-2023
UNESCO and the Manav Rachna International Institute of Research and Studies, Faridabad has joined forces to promote the 'Fit for Life' program in India.	15-02-2023 to 16-02-2023
Directorate of sports organized Inter College Tournament 2022-23.	21-02-2023 to 24-02-2023
Manav Rachna International Institute of Research and Studies Qwan Ki Do (W) team participated in All India Inter University Qwan Ki Do (W) Tournament 2022-23 held at Chandigarh University, Mohali	22-02-2023 to 25-02-2023
Manav Rachna International Institute of Research and Studies Cricket (M) team participated in North Zone Inter University Cricket (M) Tournament 2022-23 held at Kurukshetra University, Kurukshetra	22-02-2023 to 03-03-2023
Manav Rachna International Institute of Research and Studies Students participated in Accord Faridabad Half Marathon 2.0 organized by Accord Super Specialty Hospital, Greater Faridabad	26-02-2023
Master Aaryan Raj Kakkar, Student of B.A (Libral Art) MRIIRS won Gold Medal (10 Mtr. Air Rifle Shooting youth Men) in 5th Indian Revenue Open Shooting Championship 2023 held at Dr. Karni Singh Shooting Range , Delhi	11-03-2023 to 13-03-2023
MRIIRS Athletic (M) team participated in All India Inter University Athletic (M & W) Tournament 2022-23 held at Tamil Nadu Physical Education and Sports University, Tamil Nadu	13-03-2023 to 16-03-2023

Master Sahib Singh, Student of (B.Com) MRIIRS won Gold Medal (Score - 18.76 Mtr.) in All India Inter University Athletic (M & W) Tournament 2022-23 in Shotput Event held at Tamil Nadu Physical Education and Sports University, Tamil Nadu from 13th to 16th March 2023	13-03-2023 to 16-03-2023
MRIIRS Kick Boxing (W) team participated in All India Inter University Kick Boxing (M & W) Tournament 2022-23 held at Veer Bahadur Singh Purvanchal University, Jaunpur (UP)	20-03-2023 to 22-03-2023
Ms. Amiti Mahajan, Student of B.Tech FET, MRIIRS won Gold Medal in kick light event (55 Kg. weight Category) in All India Inter University Kick Boxing (M & W) Tournament 2022-23 held at Veer Bahadur Singh Purvanchal University, Jaunpur (UP)	20-03-2023 to 22-03-2023
Students of Manav Rachna International Institute of Research and Studies participated in IIFL, Ahimsa Run at Sports Complex Sector-12, Faridabad	02-04-2023
Directorate sports MRIIRS & Principal MRDC organized annual MRDC sports meet "Oorja" 2023	10-04-2023 to 11-04-2023
20-20 Cricket match series was played between Day scholars boys Vs Hostel boys	28-03-2023
Manav Rachna International Institute of Research and Studies Shooting (M&W) teams participated in All India Inter University Shooting (M&W) Championship 2022-23 Held At Swami Vivekanand Subharti University, Meerut, UP	01-04-2023 to 09-04-2023
Directorate sports MREI organized 9th Open MREI Girls Sports Meet 2023.	05-05-2023
Directorate Sports, MRIIRS organized Cricket match (Friendship Cup 2023) between Radisson Hotel V/S MRIIRS Corporate Cricket teams	20-05-2023
Manav Rachna International Institute of Research and Studies Shooting Teams participated in Khelo India University Games 2022-23 held at Dr. Karni Singh Shooting Range, Delhi, organized by Uttar Pradesh Govt.	25-05-2023 to 31-05-2023
Manav Rachna International Institute of Research and Studies Students - Master Anish Bhanwala won the Gold Medal (Rapid Fire Pistol shooting Individual), Shapath Bhardwaj won Gold Medal (Trap Men Individual), Manav Aditya Singh Rathore won Silver Medal (Trap Men Individual), Ms Kirti Gupta, Suhanya Singh, Bhavna Chaudhary won Gold Medal (Trap Women Team) & Manavaditya Singh Rathore & Kirti Gupta Won Gold medal (Trap mixed team) in Khelo India University Games 2022-23 held at Dr. Karni Singh Shooting Range, Delhi Organized by Uttar Pradesh Govt.	25-05-2023 to 31-05-2023



Anish Bhanwala- won the Gold Medal (Team Event) & Silver Medal (Individual), Silver (Mixed Team) in ISSF Junior World Cup 2022 in Rapid Fire Pistol Shooting Event



Amiti Mahajan won many accolades in Kick Boxing Championships





Shapath Bhardwaj Won Gold Medal in Trap (Individual) Event & Anish Bhanwala won Bronze Medal in Rapid Fire (Individual) Shooting events, Kirti Gupta, Suhanya Singh & Bhavna Chaudhary won Bronze Medal in Trap (Team Event) of AIIU Shooting Championship 2022-23



Aaryan Raj kakkar won Gold Medal (10 Mtr. Air Rifle Shooting youth Men) in 5th Indian Revenue Open Shooting Championship 2023 held at Dr. Karni Singh Shooting Range, Delhi

8.5 Scholarship/Free-ship Policy for AY 2022-23

A. Schemes 'Utkarsh' and 'Uttam' for the candidates on the basis of MRNAT-2022 Score for UG & PG programmes:

MRNAT 2022 score	'Utkarsh' *	'Uttam' **
90.00% & above	100% Tuition Fee Waiver	100% Tuition Fee Waiver
80.00% & above but below 90.00%	50% Tuition Fee Waiver	25% Tuition Fee Waiver
70.00% & above but below 80.00%	25% Tuition Fee Waiver	10% Tuition Fee Waiver

* Scheme 'Utkarsh' is for candidates taking Admission within a period from 19th February 2022 to 10th July 2022

** Scheme 'Uttam' is for candidates taking Admission within a period from 11th July 2022 to 31st August 2022

B. Free ship/Scholarships to students on the basis of marks/CGPA in the qualifying examination as per following criteria: UG level programmes (Except BDS Programme)

Marks / CGPA in Qualifying Examination	Tuition Fee Waiver
95% and above	100%
90% to 94.99%	50%
85% to 89.99%	25%
80% to 84.99%	10%

PG level Programme (other than MDS programme)

Marks / CGPA in Qualifying Examination	Tuition Fee Waiver
85% and above	100%
80% to 84.99%	50%
75% to 79.99%	25%
70% to 74.99%	10%

Candidate in PG Programmes can be associated with faculty member for proper grooming, mentorship and providing assistance to the faculty for students of UG programmes as when required.

C. Free ship/Scholarships to students seeking admission for B. Tech-Engineering programmes on the basis their JEE Mains -2022 Overall All India Rank as per following criteria

JEE Mains-2021 Overall All India Rank	Tuition Fee Waiver
Upto 50000	100%
50001 – 100000	50%
100001-150000	25%

D. Free ship/Scholarships to students seeking admission for BDS Programmes on the basis their NEET-2022 score/Marks as per following criteria.

NEET-2023 Score/Marks	Tuition Fee Waiver
501 & above	100%
451 – 500	50%
351-450	25%
250-350	20%

E. Free ship /Scholarships to students seeking admission for MBA programmes on the basis their CAT/MAT/CMAT/ATMA-2021 Score/Marks as per following criteria
On the basis of CAT-2022

CAT-2022 score / Marks	Tuition Fee Waiver
80% and above	100%
75% to 79.99%	50%
70% to 74.99%	25%

On the basis of MAT/CMAT/ATMA-2022

MAT/CMAT/ATMA-2022 Score / Marks	Tuition Fee Waiver
95% and above	100%
90% to 94.99%	50%
85% to 89.99%	25%

F. Free ship/Scholarships to students seeking admission for B.Arch Programmes on the basis their NATA-2022 Score/Marks as per following criteria

NATA -201 Marks/Score	Tuition Fee Waiver
121 & above	100%
101 to 120	50%
91 to 100	25%

G) Free ship/Scholarships to students seeking admission for any UG programmes on the basis their SAT-2021 Marks/Score as per following criteria

SAT-2023 Marks/Score	Tuition Fee Waiver
1301 & above	100%
1201 to 1300	50%
1101 to 1200	25%

There is a Provision of Teaching Assistantship for the candidate enrolled for M. Tech and MPT Programmes, as detailed below:

The selected candidates having more than 70% overall marks or 7.00 CGPA in the qualifying examination shall be provided teaching assistantship on the recommendations of the committee constituted by the Vice-Chancellor of the University. Under this provision, such candidates shall be required to engage with Professors/Associate Professors of the University for Practical and Tutorial Classes with total assignments of 8-10 periods per week and they shall be paid stipend of Rs. 10000/- per month with a maximum limit of payment for 12 months during the complete duration of the M.Tech and MPT programme.

The candidate of M.Tech and MPT Programmes can either avail the above free ship policy for PG programme or Teaching Assistantship.

Note: Total Free ship/Scholarships to students under all categories stated above (from B to G) put to together shall be limited to maximum 25% (10% for 100% of Tuition Fee Waiver cases, 5% for 25% of Tuition Fee waiver cases and 5% to 10% of Tuition Fee waiver cases) of the sanctioned intake for the programme of admission.

Candidates in PG programmes can be associated with faculty members for proper grooming, mentorship and providing assistance to the faculty for students of UG programmes as and when required.

H. Free ship/Scholarships to the Wards of MREI Employee: 25% Tuition fee Waiver (limiting up to maximum of Rs. 12500/- per semester) to First Child only, however, if first child is already getting scholarship on the basis of Merit then this benefit would be passed to second child, if applicable.

I. Free ship/Scholarships to the Siblings of Manav Rachna Student in any of the HEIs of Manav Rachna: 10% Tuition fee Waiver (limiting up to maximum of Rs. 5000/- per semester) to the Sibling (brother/sister) of Student already enrolled in any of the Programme at HEI of MREI. Only elder one of the siblings would get the said benefit.

In case, candidate is eligible for any free ship scholarships in either of above stated categories from A to G and falls under H/I category, he or she shall be getting this benefit over and above for H/I category to free ship/scholarship of that category with a maximum limit up to 100% tuition fee waiver.

Candidate can avail a maximum of one scholarship at a time amongst clause A, B,C, D, E,F,G as listed above.

J. Free ship/Scholarships to the Alumni of Manav Rachna Educational Institution (except MDS) : Student who is an Alumnus of any of the Manav Rachna Educational Institutions (Schools or HEI), eligible for 10% Tuition fee waiver (limiting up to maximum of Rs. 5000/- only one time at the time of admission) during admission to the programs offered by any of the HEI. In case any candidate is eligible for any freeship /scholarship in either of above stated category from A to I he /she shall be getting this benefit over and above to free ship/scholarship of that category with a maximum limit up to 100% tuition fee waiver. A student of BDS, MRIIRS opting for admission in MDS add MRIIRS will be eligible for 5% tuition fee waiver.

NOTE:

- For the purpose of Scholarship/tuition fee waiver, the marks will not be rounded off to the next higher figure and calculation of percentage of marks shall be made on the basis of eligibility subjects in the qualifying examination (same number of subjects).

Conditions for Continuation of Free ship / Scholarship in Subsequent semesters mentioned above:

Progress of students awarded scholarship in subsequent semesters shall be reviewed after the end of every semester for continuation, based upon his/her performance in the previous semester. For continuation of scholarship student shall be required to:

- Maintain a minimum SGPA of 7.5 in each semester without any backlog.
- Have 85% attendance in all courses in each semester.
- Applicants should not have been suspended for any grave act of indiscipline by the university.

- No disciplinary action against the applicant is established or pending in case of ragging or eve teasing.
- The applicant should not be receiving any other scholarship from any other source whatsoever, for which a certificate signed by student & parents is to be provided.

K. Suitable free ship shall be available to high achievers in the field of sports, persons suffering with Thalassemia Major, Sons/daughters of army personnel who have been killed in war /terrorist attack ,physically handicapped students etc. on case to case basis.

L. Scholarship for outstanding achievers in sports category

A provision of scholarship for outstanding achievers in sports is available for admission seeker at Higher Educational Institutions (HEIs) as per following categories:

Event/Level	Participation	Medal Win
Olympics	100% of Tuition Fee	100% of Tuition Fee
Asian Games / Asian Championship	75% of Tuition Fee	100% of Tuition Fee
Commonwealth Games	50% of Tuition Fee	75% of Tuition Fee
World Cup	50% of Tuition Fee	75% of Tuition Fee
National	25% of Tuition Fee	50% of Tuition Fee
State (with compulsory participation in National)	—	25% of Tuition Fee

The candidate seeking admission to any of the above categories of sports shall be required to produce the relevant documents of proof of his/her participation and Medal Won. The Sports Committee under Director-Sports will take the final decision regarding Scholarship.

The scholarship under this category shall be given in the first semester and its continuation shall be decided by a committee constituted by the Competent Authority of the Institution / University.

M. Merit cum Means Scholarship for domicile students of Haryana

A scholarship scheme i:e Merit cum Means Scholarship for domicile students of Haryana shall be awarded to the 25% students who are domicile of Haryana. The scheme is applicable to all the students whose parents have annual income up to Rs.2.80 Lacs all sources. Under the scheme the student shall be given fee waiver limited to the tuition fee as per the following scale.

Candidates are required to pay other fee as applicable to the program concerned

- One-fifth of the 25% students shall be granted 100% tuition fee concession.

- Two-fifths of the 25% student shall be granted 50% fee concession.
- The balance Two-fifth of the 25% students shall be granted 25% fee concession.

Conditions for continuation of scholarship in subsequent years

- Applicants must fulfill the following criteria for claiming the fee concession:
- The attendance criteria of the university is 75% attendance.
- Maintain a minimum SGPA of 7.0 in each semester without any reappear or absenteeism.
- Applicants should not be suspended for any grave act of indiscipline by the university.
- No disciplinary action against the applicant is contemplated or pending in case of ragging or eve teasing.
- The applicant should not be receiving any other scholarship from any other source whatsoever, for which a certificate signed by student or parents is to be provided

N. Merit Scholarship other than above Scholarship/ Free Ship

In order to motivate the students for better and sustained academic performance, Manav Rachna offers 'Merit Scholarship to Semester/Branch Toppers' enumerated below for students securing 1st, 2nd and 3rd positions in the Odd & Even semester exams (Based on the amalgamated SGPA/CGPA) every year for each programme being run at Manav Rachna, as under:

- First Position: 25% of tuition fee or ₹25,000 -whichever is less
- Second Position: 15% of tuition fee or ₹50,000- whichever is less
- Third Position: 10% of tuition fee or ₹10,000- whichever is less

The following are the guidelines for granting these Merit Scholarships:

- Any programme having a strength of 90 students or more in the semester exam shall qualify for first, second and third position scholarship.
- Any programme having strength more than 50 students and less than 90 students in semester exam shall qualify for first and second position scholarship, otherwise only a solitary topper shall be given a first position scholarship.
- If the strength of a course is 10 or less no scholarship will be awarded for that course.

CHAPTER-9

INSTITUTIONAL SOCIAL RESPONSIBILITY

9.1 Institutional Social Responsibility

Manav Rachna International Institute of Research and Studies has been playing a pioneering role in Social Responsibility. The university regularly exposes its students to myriad activities in the neighborhood community and areas to impel them to undertake various societal activities and in the process develop holistic persona and core values. This not only raises the curtain for the students towards social issues but also affords them hands-on experience, experiential learning, working in a team, participative learning, decision making leading to holistic development beyond boundaries of the classroom.

A salient statement in the Vision and Mission of MRIIRS has been to train its students in the backdrop of Indian ethos and values to enable their transformation into insightful, honorable, and responsible citizens of India, who work and dedicate themselves for the advancement of humanity. Since its inception, MRIIRS has rendered extension services to the people of Faridabad District and adjoining areas, which has brought about seminal changes on many fronts. With a great emphasis on the values of humility and gratitude, the students and faculty members have taken up the cudgels for societal upliftment of the general population of Faridabad district and contiguous areas through its ISR initiatives. The ISR arm of MRIIRS, Dr O P Bhalla Foundation (<http://dropbhallafoundation.org/>), operates with the objectives to carry forward philanthropic and development activities in various fields like education, sustainable development, environment protection, women empowerment and gender equality, health and wellbeing, geriatric health care, empowering weaker sections of society and reviving our rich cultural heritage. Serving the nation through efforts in inclusive growth, societal development, and diversity conservation, the students, and staff of MRIIRS have endeavored with great alacrity and commitment.

Manav Rachna International Institute of Research and Studies is actively working in the community engagement and sustainable development by actively engaging in various outreach projects. The university aligns its outreach projects with the Sustainable Development Goals (SDGs). The university demonstrates its commitment to social responsibility by offering, managing, and delivering a wide range of outreach initiatives that benefit the local community. These initiatives encompass diverse domains such as education, health, information services, reading programs, community engagement, and tutorials.

MRIIRS takes pride in its positive approach to community service. The university collaborates with local partners, stakeholders, and volunteers to design and execute impactful programs. Furthermore, MRIIRS's robust community engagement initiatives, including workshops, visits, waste segregation collection drives, plantation drives, seminars, health camps and collaborations with local partners, as it strives to bridge gaps and collaboratively work towards sustainable change.

Some important initiatives in achieving this have been:

1. Adoption of villages under Unnat Bharat Abhiyaan:

- Maujpur, Hirapur, Nariyala, Chhainssa, Panhera Khurd of Faridabad district
- The school facilities in these villages have been upgraded by stocking libraries, constructing toilets, providing furniture, and installing solar panels
- Vocational centers for imparting computer education and spoken English have been established
- Students have been provided with education equipment, uniforms, textbooks, and notebooks.
- Workshops are conducted for capacity building of teachers and school heads using latest teaching aids and equipment and ICT resources.
- Mega plantation drives were carried out
- Villagers were sensitized about hygiene and cleanliness, which helped the District Administration in making these villages ODF (Open Defecation Free).

The groups of students, under the guidance of faculty members, make a regular visit to the adopted villages, identify the needs and do the needful including dental checkup camps by Dental Department, health checkup camps. Nutrition and Dietetics Department and Physiotherapy Department. Similarly, there has been a widespread activity by MRIIRS to teach girls in the villages and a neighborhood village Mohna in the Faridabad District.

2. Adoption of Old Faridabad Railway Station: While discharging its obligations towards Swachh Bharat Abhiyaan, MRIIRS adopted the Shiv Mandir premises of the station for regular cleaning.

3. Vocational training for potential dropouts in collaboration with the National Skill Development Corporation:

- MRIIRS collaborated with NSDC and Kedman (a joint venture of Manav Rachna and Kunskapskolan, Sweden), to start a pilot project after approval from NSDC with an aim to cover 100 Schools in the State of Haryana.
- Under the project, vocational training shall be provided in 3 important Sectors of Retail, IT and Beauty & Wellness.
- This Project provides digital education through Labs equipped with laptops, overhead projectors aided by UPS, internet connectivity and modern furniture. A dozen vocational Labs have already been set up.

4. Teacher On Call Program:

- An innovative initiative, it is a Helpline with 30 parallel lines for free service to the Students of Government Schools of Faridabad district through a Toll-Free number.
- The facility is being availed by around 7500 students and their doubts/ queries are being addressed by 350 Teachers during scheduled hours throughout the week.

5. Health Camps:

- These include dental, nutrition, psychology and physiotherapy services provided through mobile clinics and onsite camps.
- Blood Donation Camps are a regular feature, with around 6500 units of blood collected during recent years.

6. Women Empowerment: Several activities are conducted throughout the year for giving impetus to individual efforts for women empowerment – from organizing workshops, seminars, and conferences to felicitating women entrepreneurs to recognizing meritorious female students in the campus. The International Women's Day is an annual celebration at the university.

7. Mental Health initiative 'Saathi':

- Launched in 2020 during the pandemic with trained Clinical Psychologists to provide emotional First Aid and crisis management inputs, helping the people who were stressed out due to difficult times.
- A substantial number of elderlies, students, working women, housewives, etc., mostly suffering from anxiety, fear and depression were taken care of through online counselling.

8. Community Radio:

- The University has been in the vanguard of societal accretion of the Faridabad district through its very popular Community Radio (Granted by the Govt of India).
- Its programs cater to the domain of educational, spiritual, entertainment, cultural, women empowerment, environment, health, hygienic living, career counseling, and eradication of vices amongst youth for public.

9. Collaboration with other NGOs:

- Sparklife for literacy project for slum children
- Sheows for adopting Old Inmates
- Voice of Voiceless for helping Animal Shelter Project
- Akriti Fondation for providing assistance for mentally retarded inmates.
- Feeding India for providing cooked food/raw grains to needy people.

10. Fight against hunger through 'Ek Mutthi Daan': Under this initiative, around 50,000 kg of wheat, rice, grains and cereals have already been collected and donated to orphanages, old age homes, animal shelters and to District Administration (for supporting migrant labourers and needy people).

11. Swachh Bharat Abhiyaan: Few localities have been identified in Faridabad to spread the awareness about cleanliness and basic hygiene. These include Sanjay Colony, Old Faridabad Railway Station and Shiv Mandir (Sainik Colony). Students and faculty members regularly there to spread awareness about basic cleaning.

12. Safety: Regular programs on traffic rules, self-defense, women and child Safety programmes are conducted for the students of the university and various localities in Faridabad.

13. Voluntary Services: The neighborhood community is supported by providing stationery, old clothing, and other supplies as needed. MRIIRS carries its societal activities in the neighborhood in close association with Dr. O.P. Bhalla Foundation which is highly acclaimed body carrying out a myriad of social activities and community extension services in the Faridabad District.

14. Sustainable Development and Environmental Protection: It focuses on reducing energy consumption, creates awareness about produce and use of sustainable clean and green energy. It also lays emphasis on conserving water, trees, and other natural resources.

15. Inclusion, Main streaming, Development, and Empowerment of sections of society who are marginalized, vulnerable and with special needs: It aims to bring together the marginalized section of the society or a group and works towards building an inclusive society where no one is left behind. It focuses on the vulnerable section of the society and tries to take them forward as a group.

16. Gender equality, Sexual and Reproductive Justice and Health Care: It aims to work towards gender equality and women empowerment in a multi-pronged approach by awareness campaigns, capacity building, changing mindsets and perceptions of men and youth, and implementing programs and schemes for the cause.

Recognizing the pluralistic culture, kaleidoscopic societal norms, abounding diversity, varying lifestyles and work attitudes, and deep chasm between living conditions and earning capacity of people, MRIIRS through its students and faculty, has relentlessly engaged in ameliorating the plight of deprived sections of society on its own, as well as in collaboration with governmental and local administration bodies.



9.2 Major ISR/Outreach Activities during the year

- **Teachers on Call Program, running in continuation since 25th April, 2020**

Under its vision of providing equal learning opportunities to each and every child, especially the students of Government Schools, Manav Rachna International Institute of Research and Studies in association with Dr O P Bhalla Foundation and with the help and support of Sahaj Path Knowledge Foundation is running the 'Teacher on Call' Program. The initiative is aligned with SDG 4 - Quality Education. This is a Phone Call Based Remedial Educational Development Program for students of Government Schools of Faridabad district. We already have more than 300 qualified and experienced Volunteer Teachers, who are successfully teaching the students over phone in the subjects of Mathematics, Science, Social Science, Hindi and English, and are helping around 12000 students of classes VI to X in answering their queries through tele-calling about their difficulties in these subjects through toll free No. 18008906006 which is made available to Student callers during specified hours (Mondays to Saturdays - 5:00 PM to 8:00 PM & Sundays –9:00 AM to 8:00 PM).

The program has successfully impacted many students and there is a significant difference towards the betterment of their academic performance. The students are also given rewards from time to time based on their performance and association with the program.



Student being rewarded for being a regular caller on the Program and achieving good grades



Student being rewarded for being a regular caller on the Program and achieving good grades



Student being rewarded for being a regular caller on the Program and achieving good grades



Volunteer Teachers being appreciated by Team of MRIIRS and Dr O P Bhalla Foundation

Learning how to Learn - Helping Students in Govt Schools identify their Learning Style

Under the SGD 4 on imparting Quality Education to all , a new initiative was started - 'Learning how to learn' for the Students of Government Schools, classes 8-10. We assist students in understanding their preferred learning style with the VAK (Visual, Audio, and Kinaesthetic) Test. After each pupil has been evaluated and counselled, we present a comprehensive report to the teachers.

Through the VAK (Visual, Audio and Kinaesthetic)Test, we help them understand their learning style since each Student has a unique style of their own. Each student is analysed and counselled and an overall report was shared with the Teachers to modify their teaching techniques according to the learning styles. Five sessions have been held till date where 500 Students have had their styles analysed through tests conducted with the help 12 MRIIRS Student Volunteers. The first session was held at Government Middle School- Sector 31, Faridabad. The second and third ' Learning how to learn' sessions were held for the Students of Government Middle School, Dayalnagar (July 21, 2022)and Atmadpur (July 23, 2022). The fourth and fifth sessions were conducted at GSSS Ankhir (August 3, 2022) and GSSS Badhkal (August 12,2022).



Students actively participating in the Learning how to Learn activity

- **Hands-on Computer Literacy programme for School Students**

In the modern age, computer literacy is essential for students to succeed in both their academic and professional lives. Recognizing the importance of computer education, Manav Rachna International Institute of Research and Studies (MRIIRS) has opened its computer lab facilities to school students, providing them with an opportunity to enhance their computer skills. MRIIRS conducts regular hands-on workshops and awareness programmes for school students studying outside MRIIRS, regarding Computer Literacy.

This initiative serves as a model for other educational institutions to consider, showcasing the positive impact that can be achieved by opening up resources and fostering collaboration between university and school students. Allowing school students to use the computer lab facilities at MRIIRS is a commendable initiative that aligns with the institution's commitment to providing quality education and community engagement. The program not only benefits the school students by enhancing their computer skills but also reinforces MRIIRS's role as an educational institution that cares about the development of the surrounding community.



● **Margdarshan Initiative**

Margdarshan is an Initiative under which, students from villages are motivated to undergo an aptitude test so that they can be guided about the right career options for them. As a continuation of the Margdarshan Initiative, Dr. O P Bhalla Foundation successfully hosted the fourth batch of 56 students from Government Girls Senior Secondary School (GGSSS) Old Faridabad at MR Campus for a Career Aptitude Test. The primary objective remains to offer these students valuable insights into their future career and higher education opportunities, furthering our commitment to Sustainable Development Goal 4 (SDG 4) - Quality Education. Students were also taught about how to use computers for giving online competitive tests.





Students from GGSSS, Old Faridabad attempting Career Aptitude Test at MRIIRS

- **Kaushal Karyashala-IT Skill Training from January 2022-February 2023**

Kaushal Karyashala, an initiative by Dr OP Bhalla Foundation in association with Manav Rachna International Institute of Research and Studies, aims to provide IT skill training to youth for better job prospects. It caters to the 4th SDG Goal of providing Quality Education to all. Launched on December 27th, 2021 by DC Faridabad, Sh. Jitender Yadav, the program initially conducted online classes for seven batches, each consisting of 30 students. Later, 50 regular students were selected for practical training on campus. The first batch of Kaushal focused on training approximately 50 students from government schools in Mohna, Panhera Khurd, Nariyala, Dayalpur, Atali, and other villages in basic IT skills.

Volunteer faculty members from FET, MRIIRS went beyond their duties to train these students. The classes commenced in January 2022 and concluded in February 2023 with a final exam comprising practical, theory, and viva components. Out of 48 students, 45 successfully passed the exam and received certificates. On June 27th, 2023 a Felicitation ceremony to give certificates to all the passing Students was held in the auspicious presence of our Chairperson - Madam Satya Bhalla Ji. She congratulated and motivated the Students to achieve great success. The second batch of Kaushal started from June 2023, consisting of 50 students from Ankhir Government school from classes 9th-12th. These students are being trained in spoken English and personality development as well.



Students undergoing their IT Training Classes at MRIIRS



Village Students receiving certificates after successfully completing Kaushal Karyashala-IT Skill Training at MRIIRS



Students Registering for Kaushal Karyashala for IT Skill Training at MRIIRS



Students showing interest for Kaushal Karyashala for IT Skill Training at MRIIRS

- **Be a Teacher to Someone**

Manav Rachna holds the ideals "Manav ki Rachna" keeping these morals in mind the volunteers of the National Service Scheme Unit, Department of Student Welfare, Manav Rachna International Institute of Research and Studies undertook an initiative, "Be a Teacher to Someone" on the occasion of teacher's day. The volunteers under this campaign visited the Miracle Charitable Society, Faridabad, an adoption centre registered under the Women and Child Development Department of Haryana, on September 05, 2022 to be a teacher to someone as they understand that education is a fundamental right. The students of Manav Rachna got the opportunity to interact with them and teach them how to paint and colour understanding the beautiful and lifelong mentor-disciple bond that is shared between a teacher and a student. Early Education - teaching the base of the alphabet and numbers was also taught to children.



- **Ek Mutti Daan**

The father of Manav Rachna, visionary late Dr. O.P. Bhalla had a dream that no child on the street should sleep hungry as much as possible. Corporate Social Responsibility was an area that he worked at conscientiously. We feel his presence all around us and are sure that he is guiding and blessing us in all our endeavours. The Ek Mutthi Daan campaign was initiated on March 28, 2014. On 16th September 2023, Manav Rachna International Institute of Research and Studies organized Ek Mutthi Daan: Mega Grain Donation Drive in which with diligent support from students and teachers from Universities, we were able to collect 11,807 kgs of dry grain.

Ek Mutthi Daan



Ek Mutthi Daan

- **Sustainable Alternative- Cloth Bags (creating best out of waste)**

On July 1, 2022, the Indian Government's mandate to ban single-use plastics came into effect. MRIIRS in association with Dr. O.P Bhalla foundation took up the initiative "Sustainable Alternative - Cloth Bags (creating best out of waste)" to spread awareness about the ban and also educate people about the alternatives. Three sessions have been held till date at GSSS Anangpur, Sanatan Dharm Public School and Sneh Ashram (Skill Centre for Women) where Students were taught to use old t-shirts, shirts and tops that are not usable and make cloth bags by using a needle and a thread. 300 cloth bags have been made through these workshops.



**Sustainable
Alternative
Cloth Bags**

**Sustainable
Alternative
Cloth Bags**



● Mega Plantation Drive

Aligned with the Sustainable Development Goal 11 (SDG 11) of creating sustainable communities and cities, the Mega Plantation Drive organized by Dr. O.P. Bhalla Foundation in association with Manav Rachna International Institute of Research and Studies stands as a testament to the commitment towards building more livable, resilient, and environmentally conscious localities. This annual initiative, which spanned in places including GMS Sirohi and Teekri Khera, GGSSS NIT 3, GSSS Lakkarpur, Dhauj, and the Eco Club aimed to enhance the green cover and ecological health of these areas while contributing to the broader goal of sustainable urbanization.

In AY 2022-23, 4 teachers and 80 student volunteers from MRIIRS participated in the drive. Mega Plantation Drive showcased how collaboration between educational institutions and local communities can work in synergy to achieve sustainable development objectives. With the core objective of promoting environmental conservation and fostering active student participation in nurturing a cleaner and greener ecosystem, the team distributed 2700 plants of different varieties.

S.No.	School Name	Tree Name	Qty.
1	Panheda Khurd	25 Neem, 25 Amrrod, 25 Awla, 25 Jammun, 25 Nibbu	125
2	Girls NIT-3	Hez	500
3	Girls Old	Tulsi 1100	1100
4	Lakarpur	100 Tulsi, 25 Neem, 25 Pepal, 25 Awla	175
5	Dhauj	Kadam, Neem, Jamun, Bel, Awla	100
6	Tikri/Jamalpur	Different Different tree,fruit trees	550
7	Sirohi	25 Safeda, 25 Neem, 25 Jammun	50
8	IP Colony	Tulsi-50, Belpatar-10, Aam-10, Ghar ke liye pode	100



Plantation Drive in Government School, Dhauj



Plantation Drive in Government School, Alampur

- **Give her Wings to Fly**

MRIIRS in collaboration with Dr O P Bhalla Foundation regularly conducts Menstrual Hygiene Awareness and Sanitary Pad Distribution camps which are aimed to educate the populace from rural areas and underprivileged backgrounds about the importance of Menstrual Hygiene and normalize its discussion. Volunteers create awareness through Nukkad Natak, workshops and discussions. During AY 2022-23, awareness Camps on following venues were conducted under this initiative to distribute Sanitary Pads and spread awareness amongst women about importance of Menstrual Hygiene. Sanitary napkins are not readily available, especially in rural areas being. Since a level of secrecy is supposed to be maintained about them. Therefore, Team Foundation distributed more than 450 packets of sanitary napkins, consisting of over 2700 napkins, to the students at the school.



- **Blood Donation Camp**

Blood donation camps are of paramount importance as they serve as a lifeline for countless individuals in need of blood transfusions due to medical emergencies, surgeries, or chronic illnesses. These camps play a vital role in ensuring a stable and readily available blood supply for hospitals and healthcare facilities. By voluntarily donating blood, individuals can save lives and make a significant contribution to their community's well-being. Additionally, blood donation promotes a sense of altruism and unity, fostering a culture of empathy and solidarity among people. A noble act highlights the power of human kindness and can make a profound difference in times of crisis. It is worth noting that in 2022-23, MRIIRS faculty and students donated 1068 units of blood in blood donation camp at MRIIRS campus and from 2014 around 9079 units are collected till date.



Blood Donation Camp

- **Free Community Health Check-Up Camp as part of the Health for All mission**

The free community health check-up camp are organized regularly by the Department of Physiotherapy, Nutrition and Dietetics along with the Department of Dental Sciences. This initiative aimed to extend essential healthcare services to the community and promote overall well-being. The event featured a comprehensive health assessment, including physiotherapy consultations, nutritional guidance, and dental check-ups. Through this collaborative effort, the departments sought to contribute to community health awareness and ensure that individuals have access to vital preventive healthcare services. The success of the health check-up camp underscores the commitment of these departments to fostering community health and engagement.



As part of the Health for All mission, around 29 community health camp were organized by **Manav Rachna International Institute of Research and Studies in collaboration with O.P. Bhalla Foundation in year 2022-23**. The motto of these health camps is to fulfil the dreams of nation-building and concentrate on the development and upliftment of the underprivileged and marginalized section of society. Keeping this motto various steps have been taken for the upliftment of patients who have been suffering and cannot afford to go to hospitals. The camp was free of cost and open for all. Various department of MRIIRS participate in these camps and provide their services. Department of Physiotherapy, Nutrition and Dietetics, Psychology department and Faculty of dental sciences participate in these health camp. Approximately 22 to 25 students and 6-8 faculty member with OP Bhalla Foundation team participates in each camp with same motive.

Physiotherapy services including home program exercises, precautions and postural correction were advised to the Patients. Proper assessment of patients were done in every health camp. Many cases with flat foot, posture abnormalities, Lower back Ache and Joint pains were detected, assessed and advised with proper treatment. Exercise regimen was given to the patient and, Patients with the chronic problem are advised modifications in lifestyle. Nutrition and Dietetics department participate in all these camp with the objective of identification of nutritional problems, assessment of nutritional status and to provide nutritional counselling for overall health and wellness. Measurement of various health parameters like height, weight and body mass index (BMI), % fat, muscle mass, %water were done in each camp. People were advised to eat healthy balanced and to keep themselves clean. Children came for the health checkup were advised not be lured by fast food, colored drinks and cold drinks. The participants were provided with personalized diet counselling, counselling on lifestyle modification and strategies to prevent or control the diseases. All adults were counselled for hypertension, diabetes, PCOD, and obesity and diet counselling was provided according to the type of diseases they were suffering from. Psychology department do IQ assessment of the participants. Appropriate guidance was provided as per the identified issues like relationship issues such romantic relationship, marriage, understanding between spouses, conflict with children and so on. Stress related to work life balance, academic stress and high level of parental expectation were also discussed and stress reducing strategies were explained with demonstration. Parents are guided for mental health and related issues.

Faculty of Dental Sciences also provide their services, by providing education and awareness regarding dental procedures. They also talked about oral hygiene and oral health. They also guide them that diet should have less sugary foods. If decay tooth is there, then filling is suggested. Cleaning of teeth, brushing, flossing guidance is also provided. If tobacco consumption is there in the population, then harmful effects and then development of oral cancer awareness and diagnosis is also done. Radio Manav Rachna 107.8, our media partner also make presence to take the testimonials of the people who visited and took benefit of the services provided.



Health camps - Community Outreach Programme



Health camps - Community Outreach Programme



Nutrition counselling by Msc Nutrition and Dietetics students and faculty members



Anthropometric measurement of the participants



Measurement of Blood Pressure by Physiotherapy team



Treatment provided by physiotherapy expert



Assessment by Dental team in health camp



Counselling by Psychology experts



O.P.Bhalla Foundation Team



MRIIRS Expert Team at Health Camp

List of Health Camps

S.NO	Department	Title of the Activity	Organising unit/ agency/ collaborating agency	Date of conduct (dd-mm-yyyy)
1	Faculty of Allied Health Sciences, MRIIRS	Health Camp	MRIIRS, Charmwood Village, Faridabad	02-07-2022
2	Nutrition and Dietetics, FAHS, MRIIRS	Health Camp	PHC, Fatehpur Beri, New Delhi	04-08-2022
3	Faculty of Allied Health Sciences, MRIIRS	Health Camp	Sector 15A, Faridabad	24-08-2022
4	Department of Physiotherapy, FAHS, MRIIRS	Health Camp	SGM Nagar, Patel Chowk, Faridabad	17-09-2022
5	Nutrition and Dietetics, FAHS, MRIIRS	Health Camp	Kalkaji Public School, Kalkaji, Delhi	30-09-2022
6	Faculty of Allied Health Sciences, MRIIRS	Health Camp	Machhgar, Ballabgarh	20-10-2022
7	Nutrition and Dietetics, FAHS, MRIIRS	Health Camp	Manav Rachna International School, Sector 46, Gurugram	26-11-2022
8	Department of Physiotherapy, FAHS, MRIIRS	Health Camp	Anagpur Village, Faridabad	03-12-2022
9	Nutrition and Dietetics, FAHS, MRIIRS	Health Camp	Maharshi Dayanand Public School, Sector 16, Faridabad	30-12-2022
10	Department of Physiotherapy, FAHS, MRIIRS	Health Camp	Kia Rasoi, Kundali, Sonipat	06-01-2023
11	Nutrition and Dietetics, FAHS, MRIIRS	Health Camp	FatehpurTaga, Sohna Road, Dhauj Village, Faridabad	29-01-2023
12	Department of Physiotherapy, FAHS, MRIIRS	Health Camp	Old Age Home, Sec-28	18-03-2023
13	O.P.Bhalla Foundation, MRIIRS	Health Camp	SGM Nagar, Faridabad	22-03-2023
14	Department of Physiotherapy, FAHS, MRIIRS	Health Camp	Sneh Vidya School, SGM Nagar	25-03-2023
15	O.P.Bhalla Foundation, MRIIRS	Health Camp	Vanaprastha Old Age Home	28-03-2023
16	O.P.Bhalla Foundation, MRIIRS	Health Camp	CHC Kheri Kalan, Faridabad, Haryana	31-03-2023
17	O.P.Bhalla Foundation, MRIIRS	Health Camp	Sanak Sewa Samiti Old Age Home	01-04-2023

18	O.P.Bhalla Foundation, MRIIRS	Health Camp	Atmadpur School	07-04-2023
19	O.P.Bhalla Foundation, MRIIRS	Health Camp	Gandhi colony, Faridabad	14-04-2023
20	Department of Physiotherapy, FAHS, MRIIRS	Health Camp	AIIMS Society	15-04-2023
21	O.P.Bhalla Foundation, MRIIRS	Health Camp	Dayalpur Gurudwara	16-04-2023
22	O.P.Bhalla Foundation, MRIIRS	Health Camp	Sai Dham	21-04-2023
23	O.P.Bhalla Foundation, MRIIRS	Health Camp	Mohna Village Panchayat, Faridabad	29-04-2023
24	O.P.Bhalla Foundation, MRIIRS	Health Camp	IP colony Faridabad	06-05-2023
25	Department of Physiotherapy, FAHS, MRIIRS	Health Camp	Shiksha Bharti School	07-05-2023
26	Department of Physiotherapy, FAHS, MRIIRS	Health Camp	Govt. medical Center, Anagpur	09-05-2023
27	O.P.Bhalla Foundation, MRIIRS	Health Camp	K.L. Mehta Dayanand Public High School, NIT 5, Faridabad,	12-05-2023
28	O.P.Bhalla Foundation, MRIIRS	Health Camp	Elpis Convent School, Jeewan nagar – 2, near Pawan Hospital, Faridabad	05-21-2023
29	O.P.Bhalla Foundation, MRIIRS	Health Camp	Government Boys School, NIT 5, Faridabad, Haryana	26-05-2023

- Raddi Recycling Drive 2022-23: Cultivating Sustainability through Waste Paper Collection**

The Raddi Recycling Drive 2022-23, a commendable initiative orchestrated by Dr. O P Bhalla Foundation in association with Manav Rachna International Institute of Research and Studies, stands as a testament to the institution's resolute commitment to environmental sustainability and conscientious waste management. This initiative, centered on the conscientious collection of waste paper, echoes the institution's broader mission to curtail paper wastage and promote eco-conscious recycling practices.

Throughout the trajectory of this drive, an impressive 7780 kgs of waste paper has been gathered, from esteemed Dr. O.P. Bhalla Central Library and the diligent Examination Department of MRIIRS. This resulted in production of a substantial count of 1,700 notebooks with Rotaract Club, Faridabad Aravalli, with an additional 1,500 notebooks still in production

with Max X change. The collective endeavor underscores the institution's proactive and dedicated role in upholding this ecologically-driven initiative. The overarching significance of the Raddi Recycling Drive 2022-23 addresses SDG 12: Responsible Consumption and Production, SDG 13: Climate Action and SDG 15: Life on Land

Raddi Recycling Drive 2022-23 of the Dr. O P Bhalla Foundation (ISR Department of MRIIRS) is a display of dedication to sustainable action. Through the systematic collection and recycling of waste paper, the institution magnificently advocates for responsible consumption, climate mitigation, and ecological preservation. This initiative illuminates a trajectory for other institutions, encouraging them to embrace sustainable stewardship for a greener and more harmonious future.



Collection of Raddi



Donating Raddi from Library

- **Kindness Week - Visit to Rescue Home for Boys on 12th November 2022**

A visit to the rescue home was planned to address SDG 1 - No Poverty, under which clothes and food items were also donated on 12th November 2022.

In celebration of Children's Day, a group of 28 students from MRIIRS paid a visit to the rescue home for boys. The students engaged the boys in playful activities, fostering connections and creating a joyful atmosphere. As part of their initiative, the students also donated clothes and food items, ensuring their basic needs were met. This heartwarming event showcased the power of small gestures and community support, leaving a positive impact on both the students and the boys.



A Collage of activities conducted by the MRIIRS Students with the Children at Rescue Home

- **Kindness Week - Clothes Collection Drive held on 11th November 2022 and Clothes Distribution Drive held on 23rd and 28th November 2022**

Dr O.P. Bhalla Foundation in association with Manav Rachna International Institute of Research and Studies and team CHR came up with the pleasant idea to involve people from MRIIRS to participate in World Kindness Week on 11th November 2022 by **donating their clothes** under the drive name "Paridhan" under the **SDG 1 - No Poverty**.

The purpose of this campaign was to collect and provide the underprivileged and needy with warm clothing before next winter. It was a pleasure seeing Staff and students volunteering for this event by donating jerseys, jackets, shirts, and blankets.

They also helped to sort these clothes further. Everyone from the students to our dedicated faculty has been an essential part of this drive and even requested to continue the campaign for another week so that they could contribute more.

Clothes were distributed among old age homes, orphanages, rescue homes and the housekeeping and security staff of Manav Rachna. These clothes were further distributed in the Slums near MRIIRS on 23rd and 28th November 2022 by the Students and Faculty Members of MRIIRS.



PARIDAAN

Students and Faculty members donating Clothes for the drive



**Students distributing
clothes in Slum
near MRIIRS**

- **Old Age Home Visit to SHEOWS**

MRIIRS in association with Dr. O P Bhalla Foundation, consistently encourages students and faculty members to engage in meaningful visits to SHEOWS - an Old Age Home located in Delhi. These visits are aligned with the principles of Sustainable Development Goal 3 (SDG 3), which focuses on promoting Good Health and Well-being for all individuals. Regularly, on occasions such as the International Day of Elderly Persons, Family Day, and Makar Sankranti, students and teachers from Manav Rachna engage in visits to the Old Age Home. These visits serve as expressions of solidarity and support for the elderly residents who have been left without family care.

During these visits, students eagerly participate in various activities, including preparing musical performances that bring joy to the elderly residents. Engaging in meaningful conversations, the students establish connections that bridge generational gaps, providing companionship to those who may feel isolated. A remarkable example of these efforts occurred during Makar Sankranti, under the guidance of the esteemed Madam Satya Bhalla Ji, Chief Patron of MREI. Team MRIIRS, along with the Foundation, extended their support by donating essential goods such as medicines, dry foods, and blankets. This benevolent act mirrors the commitment to enhancing the well-being of the elderly residents and providing them with essential comforts.

In addition to these efforts, a consistent monetary contribution of Rs. 35,000 is made regularly to support the cause. This financial support further emphasizes the institution's dedication to the well-being and health of the elderly community. In essence, the visits to SHEOWS Old Age Home exemplify the institution's proactive engagement with SDG 3. By fostering well-being, providing companionship, and extending material support, the initiative aligns with the broader global vision of ensuring the health, happiness, and dignity of all individuals, including the elderly.





Students engaged with Elderly people



Students engaged with Elderly people

- **Outreach Awareness Programmes on Water Literacy and Conservation**

1. Water Literacy Campaign with theme on '**Importance of Water and ways of water Conservation**' was organized for the school students of adopted villages Mohna, Nariyala, Panhera Khurd, Maujpur and Heerapur during the month of July 2023. The MRIIRS student volunteers led the awareness campaign on Importance of Water and ways of water Conservation.



2. **Water Literacy Campaign through Raahgiri event in the adopted villages with theme on 'Water Conservation'** was organized by Center for Advance Water Technology & Management during the month of March 2023. Student volunteers of Center for Advance Water Technology & Management demonstrated the importance of Water conservation through videos, and banners.



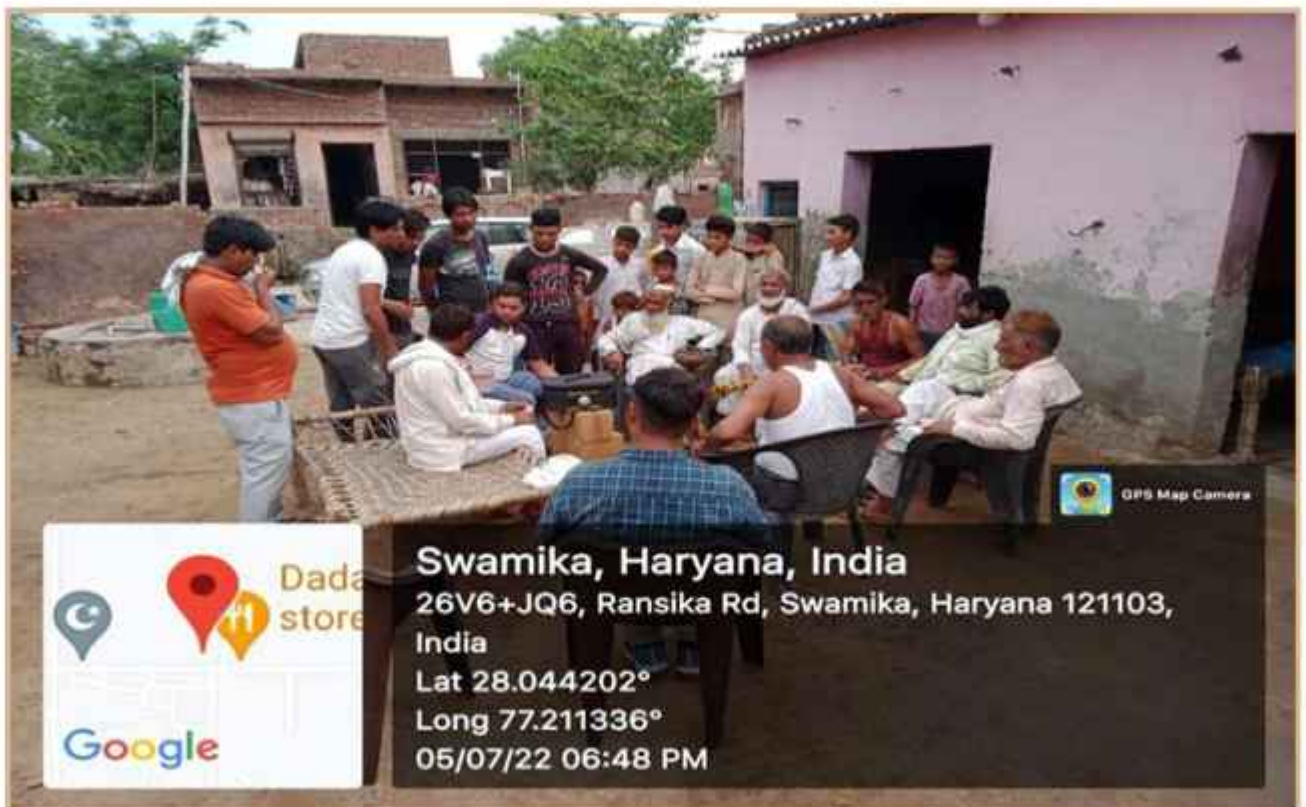
Water Literacy Campaign through Raahgiri event with theme on 'Water Conservation'

3. Under Swachha Bharat Mission series of **sensitization programmes on Water & Hygiene** was conducted in the campus of Govt Higher Secondary School at Nariyala village (**Haryana, India**) during the month of July 2023.





4. **Community literacy campaign on Water conservation** was conducted by **Manav Rachna CAWTM in Swamika Village at Palwal, Haryana India** during July 2022 to educate people about the wise use of water for all purposes.



CHAPTER-10

COMMITMENT TOWARDS SUSTAINABLE DEVELOPMENT GOALS

10.1 MRIIRS Motto- Sustainability drives Globality

The Government of India endorsed and signed the UN's "Transforming our World: the 2030 Agenda for Sustainable Development," which includes 17 Sustainable Development Goals (SDGs) and 169 associated Targets, in September 2015. The Agenda for Sustainable Development is already seeking strong interest from governments, international organizations, enterprises, civic society, and other institutions in UN member states.

MRIIRS is making significant progress toward the 17 Sustainable Development Goals outlined by the United Nations General Assembly for the sake of the planet and its inhabitants. The strategy aims at many paths addressing the environment, gender, food and water security, high-quality education, and numerous other essential needs. MRIIRS aspires to be a resource and a force that provides knowledge, vigour, inspiration, and motivation to the stakeholders of the institution, empowering them to support and live sustainable lifestyles and, as a result, to engage in and contribute to democratic governance more effectively in India.

To contribute towards sustainable goals, MRIIRS strongly emphasize on improving teaching-learning and pedagogical processes through updated the curriculum in consultation with stakeholders, Organising National and international Events/Seminars/Workshops/Conferences in the different fields of such as the environment, gender, the need for secure access to food and water, high-quality education, and several other basic necessities.



<https://mriirs.edu.in/mriirs-sdgs/>

10.2 MRIIRS Centre for Sustainable Development

A salient statement in the Vision and Mission of MRIIRS has been to train its students in the backdrop of Indian ethos and values to enable their transformation into insightful, honorable, and responsible citizens of India, who work and dedicate themselves for the advancement of humanity. In alignment of Vision and Mission of MRIIRS, the MRIIRS Centre for Sustainable Development (MRCSD) aspires to be a resource and a force that provides knowledge, vigour, inspiration, and motivation to the stakeholders of the institution, empowering them to support and live sustainable lifestyles and, as a result, to engage in and contribute to democratic governance more effectively in India. The centre is committed to make significant progress toward the 17 Sustainable Development Goals outlined by the United Nations General Assembly for the sake of the planet and its inhabitants.

MRCSD under the able mentoring of Chairman Dr. Naresh Grover, PVC MRIIRS and other legendary board members, vision of Dr Prashant Bhalla (Chancellor MRIIRS), resolve of Dr Amit Bhalla (Vice President MRIIRS) and leadership of Dr Sanjay Srivastava (Vice Chancellor MRIIRS) and commitment of all core committee members as well as faculty/staff members and students, is on the path of sustainability. Further, the centre provides awareness and training programme for many SDGs including environmental consciousness.

The teams members working in the centre are:

Dr. Naresh Grover (Pro Vice Chancellor, MRIIRS and Chairman- MRCSD)

Dr. Maithili Ganjoo, Dean FMeH

Dr. Moattar Raza Rizvi, Dean FAHS

Dr. Gurjeet Chawla, Dean Student Welfare

Dr. Rashima Mahajan, Director IQAC

Dr. Arunangshu Mukherjee, Professor Civil Engineering

Dr. Anadajit Goswami, Director FBSS

Dr. Nidhi Didwania, Professor Biotechnology

Dr. Divya Sanghi, Professor, Nutrition and Dietetics

Dr. Nikita Tomar, Assistant Professor, FHM

10.3 Courses on Climate Science/Environmental Sustainability

Dedication for society and environmental sustainability are integrated into the mission and vision of the Manav Rachna International Institute of Research & Studies in tune with the ideology of the founder. Courses related to Environment & Sustainability, and Professional ethics are integral part of the curricula of various programs at different levels. These courses enhance the awareness about Environmental issues and impart knowledge for Environment protection, conservation of natural resources and waste management. Field/Project work is also included in environmental studies course that gives real-world exposure to the students related to environmental issues. This empowers the students to apply learned concepts/acquired skills to provide solutions and make a tangible impact at a local/ global level. University also believes in instilling professional ethics among students and related courses are manifestly integrated in curriculum of all programs. Plantation drives are also conducted every year during the student induction program.

University also offers specialization in undergraduate and postgraduate programmes related to sustainability including B.Tech Civil Engineering (Hons) with specialization in green technology & sustainability engineering, B.Tech Civil engineering (Hons) with specialization in smart infrastructure, B.Tech Mechanical Engineering with specialization in electric vehicles. These programmes are explicitly related to the sustainable planning relevant for providing solutions to environmental issues, and climate challenges. Students are equipped to integrate sustainability in their respective domain of study leading to a positive impact on environment and society. MRIIRS also promotes research and innovation that could bring technological solutions to environmental problems. Students are also pursuing research in the area of environmental remediation. Quality papers have been published by students under the supervision of faculty related to environmental remediation, water and soil quality management, novel materials for water treatment in last three years.

List of credit-based courses embedded in curricula of various programmes is as given below:

Programme	Course Title	Course Code	Credits
Master of Business Administration	Biomedical Waste Management	MBA-DS-HC-304	3
Common in all programs	Environmental Studies	CH-202B	4
B.A. Liberal Arts	Art and Sustainability	BLA-DS-205	4
B.Tech Civil Engineering	Environmental Engineering	BCE-DS-602	3
B.Tech Civil Engineering	Disaster Preparedness & Planning	BCE-DS-303	2

B.Tech Civil Engineering	Energy Science and Engineering	BCE-DS-405	2
B.Tech Civil Engineering	Engineering Materials for Sustainability	BCE-DS-523	3
B.Tech Civil Engineering	Sanitation, Solid and liquid waste management	C-706	3
B.Tech Civil Engineering	Remote Sensing and GIS	C-825	4
B.Sc-Interior Design	Living Green	351.309B	2
B.Sc-Nutrition & Dietetics	Health, Food Hygiene & Sanitation	BND-DS-104	2
B.Tech Mechanical Engineering	Power Plant Engineering	BME-DS-525	3
B.Tech Biotechnology	Environment Biotechnology	BBT-DS-602	3
B.Tech Biotechnology	Environment Biotechnology Lab	BBT-DS-652	1.5
B.Tech Biotechnology	Bioremediation Technology	BBT-DS-723	3
B.Sc Microbiology	Environmental Microbiology	BMB-DS-303	4
B.Sc Microbiology	Environmental Microbiology Lab	BMB-DS-352	1.5
M.Tech Biotechnology	Advanced Environmental Biotechnology	M-BT-202	3
M.Tech Biotechnology	Advanced Environmental Biotechnology Lab	M-BT-252	2
M.Sc. Biotechnology	Biofertilizer and Biopesticide	MS-BT-224	3
M.Sc. Biotechnology	Environment Biotechnology	MS-BT-302	3
M.Sc. Biotechnology	Environment Biotechnology Lab	MS-BT-352	1
M.Tech Civil Engineering	Environmental Impact Assessment	MCE-303	3

10.4 MRIIRS Progress towards SDGs

Manav Rachna International Institute of Research and Studies (MRIIRS) acknowledges the pivotal significance of SDG 17, emphasizing the vital role of partnerships for the achievement of sustainable development. Committed to fostering collaboration, MRIIRS recognizes the imperative of forging robust alliances, both locally and globally, to facilitate the exchange of knowledge, resources, and expertise. With a dedicated focus on SDG 17, MRIIRS endeavors to establish and fortify partnerships that drive collective action, promoting innovation and sustainable solutions for a better, interconnected world. At MRIIRS, we take pride in our commitment to addressing all Sustainable Development Goals set forth by the United Nations. Our multifaceted approach involves a diverse array of initiatives spanning education, community engagement, research, and partnerships, all aimed at fostering sustainable development. From promoting quality education and gender equality to ensuring clean water, health, innovation, and sustainable communities, we actively work towards achieving these goals. Our endeavors extend beyond mere compliance; they reflect our ethos, ingrained in every aspect of our institution, empowering us to contribute meaningfully to a more sustainable and equitable world.

10.4.1 MRIIRS' Commitment to SDG 1 (No Poverty)

Manav Rachna International Institute of Research and Studies is a beacon of hope and an exemplar of dedication in the pursuit of one of the United Nations' most vital Sustainable Development Goals (SDGs) - SDG 1, "No Poverty." At MRIIRS, the commitment to eradicating poverty in all its forms is not merely a lofty aspiration; it is a tangible and actionable reality. Through a diverse spectrum of activities and initiatives, the Institution is fostering Change, Empowering Communities, and creating opportunities that directly and indirectly address the multifaceted challenges of poverty. These initiatives encompass Education, Skill Development, Research, Community Engagement, and Sustainable practices, all working in concert to uplift individuals and communities from the shackles of destitution, and ultimately, to contribute to the Global mission of achieving a world where no one is left behind in the shadows of poverty. Manav Rachna International Institute of Research and Studies through various Anti-Poverty Programmes and initiatives supports a wide range of Community in tackling poverty.

MRIIRS is committed in advancing Sustainable Development Goal 1, "No Poverty," by fostering education and skills development among economically disadvantaged communities. Through various outreach programs, scholarship initiatives, and vocational training opportunities, MRIIRS empowers individuals



from marginalized backgrounds to break the cycle of poverty. By providing quality education and equipping them with the tools to access better livelihood opportunities, MRIIRS contributes to reducing poverty levels and promoting economic inclusivity in the region, thereby aligning its efforts with the global mission to eradicate poverty and ensure a more equitable and prosperous future for all.



The ISR (Institutional Social Responsibility) arm of MRIIRS, the Dr. O.P. Bhalla Foundation, consistently spearheads impactful endeavours in line with Sustainable Development Goal 1, "No Poverty." Their remarkable initiatives, including Donation Drives, the Rescue Home project, and free health camps, exemplify their unwavering commitment to alleviating poverty and improving the lives of the less fortunate. These benevolent efforts not only transform individual destinies but also symbolize the Foundation's dedication to creating a more equitable and poverty-free society.

MRIIRS in collaboration with its ISR arm is running multiple programmes to tackle various social issues in the community by engaging the youth through various initiatives, campaigns, and social programmes to transform them into Social Leaders of the Nation.

Here are some notable initiatives and activities aimed at addressing SDG 1

- Special Fee Scholarship for needy, low-income background students
- Donation Drives: Books, Pairs of Shoes, Clothes, Computers, Oximeters,
- Safety Masks, Donations for Elders
- Ek Muthi Daan: No one Sleeps Hungry
- Free Health Camps
- Give Her Wings to Fly: Sanitary Napkins Donation Drives
- Raddi - Waste Paper Collection Drive for recycling and distribution of notebooks prepared from recycled paper
- Kaushal Karyashala
- Teachers on Call
- Free Mental Health Counselling Support

10.4.2 MRIIRS' Commitment to SDG 2 (Zero Hunger)

Manav Rachna International Institute of Research and Studies (MRIIRS) stands resolutely committed to the fulfillment of Sustainable Development Goal 2 (SDG 2) - Zero Hunger. With an unwavering dedication to addressing food security, promoting sustainable agriculture, and ensuring access to nutritious and sufficient food for all, MRIIRS has implemented a range of impactful initiatives and practices.

MRIIRS do follow a food wastage tracking program based on Sustainable Food policy. Food nutrition and wastage audit committee has been constituted at the Institute level as per the 'Sustainable Food Policy of MRIIRS'. The roles and responsibilities of this committee includes conduct of awareness sessions to minimize the food wastage, collate and analyze the food wastage records, draft the strategies to minimize the food waste, sustainable disposition of generated food waste, monitor waste food management, to ensure the availability of sustainable, healthy and affordable food choices on campus, conduct awareness on sustainable farming practices, training on sustainable technical agricultural aspects, etc. This food waste tracking process provides better identification of areas for improvement and makes team members more aware about the food wastage. Food waste at all the outlets of the campus including Hostel Mess is recorded on the daily basis through MIS and kept in record for making future strategies. The analysis of food waste is evaluated and based on the statistics further measures including rigorous sensitization towards NO FOOD WASTE etc. are planned. To track the food wastage apart from various measures, regular Food audits are being conducted to check the quality of the food consumption. In order to ensure that products are used before they expire, the food nutrition and wastage audit committee decides to alter how frequently the team analyses inventory. This makes a significant contribution to achieving future goals and expectations about food waste.

- **Daily Student Wastage Awareness**

Daily student wastage awareness notice boards are updated to sensitize the students on Food Wastage, the geotagged photograph of notice boards for daily student wastage awareness is as provided below:



DAILY STUDENT WASTAGE AWARENESS
(Notice Board to make student aware about wastage)

- **'Pledge on Zero Food Wastage'**

To spread awareness amongst the students and faculty members about Zero Hunger (Sustainable Development Goal SDG-02) and promote a sustainable habit of not wasting food, a pledge taking ceremony on 'Zero Food Wastage' was organized by the School of Culinary and Hotel Management, Manav Rachna International Institute of Research and Studies (MRIIRS) on August 23 and 24, 2023. The same was scheduled in two parts one for the hostlers of Girls Hostel of MRIIS to sensitize them about the need and importance of conserving food and to motivate them for minimizing food wastage during their meal timings in Girls' Hostel Mess area. A board mentioning the total food waste per day has also being kept in the Mess area is to make the hostlers understand that the total amount of food wasted by them the previous day was able to feed how many people. The second part was scheduled for the students of the School of Culinary and Hotel Management. Students have made posters and written slogans for addressing the issue of world hunger. Students have taken pledge on minimizing the food wastage with the message of 'Food for Everyone All Year Long'. The students have visited many of the food joints located inside the campus and also sensitize their friends and fellow students about the message. Total of 231 girls from the Girls Hostel and 385 students from the different departments of MRIIRS have participated.

During the session, following pledge was taken by the students:

"I wholeheartedly pledge to minimize the food wastage. I will diligently strive to reduce the food waste around me and contribute towards the sustainable future."





• **Awareness through Banners/rallies/Awareness Sessions across the Campus**



Faridabad, HR, India
Sector 43, Faridabad, 121004, HR, India
Lat 28.451058, Long 77.284796
11/24/2022 09:37 AM GMT+05:30

Banners

Reduce Food Wastage

Did you know?.....
Feeding food waste creates methane gas, which is more harmful to the environment than carbon dioxide. Wasting food contributes to climate change.

Tips to Reduce Food Wastage

Plan & Prep

Plan your meals beforehand so that you know what ingredients are required for meal and how much you need to buy.

Check your fridge before shopping to prevent wastage through buying food you do not need.

Use Up Leftovers

Leftover or surplus food from dinner can be brought to work the next day as a snack or for lunch.

Keep Track

Keep an eye to date the yr purchases on the fridge door to track your food usage, helping you remember what you have left before it starts to go stale.

Cook Smart

Use all leftover ingredients to make soups, curries or a stir-fry.

Faridabad, Haryana, India
☀️ 22° C
🌙 21° C

Longitude: 77.28669° E Latitude: 28.45009° N

Friday, 26 Aug, 2022 01:17 PM

THU, 21 NOV 2022

Food waste management is sustainable and advantageous for both the economy and the environment. By identifying strategies to reduce waste, we are able to reduce the energy and labour expenses associated with tossing out good food and products. The amount of food that ends up in local landfills is decreased while also safeguarding the environment through the reduction of food waste through production methods and overproduction measures. By opting and following these measures we were able to not only minimize the food waste but also to identify the best sustainable ways possible to manage the wet food waste.

The institute's initiatives are diverse and far-reaching. Our community-based projects aim to improve access to food, especially for marginalized and vulnerable populations. The main initiative under this EK Muthi Daan in association with Dr. O.P. Bhalla Foundation initiated on March 28, 2014 by father of Manav Rachna, visionary late Dr. O.P. Bhalla to make his dream true that no child on the street should sleep hungry as much as possible. On 16th September 2023, Manav Rachna International Institute of Research and Studies organized Ek Mutthi Daan: Mega Grain Donation Drive in which with diligent support from students and teachers from MRIIRS, we were able to collect 11,807 kg of dry grains from the year 2023 and donated to orphanages, old age homes, animal shelters and to District Administration (for supporting migrant labourers and needy people).



EK Muthi Daan

These efforts involve setting up community kitchens, food banks, and nutrition programs to ensure that everyone has access to adequate and nutritious food. Additionally, our educational curriculum integrates knowledge about sustainable agriculture and nutrition, fostering an understanding of the importance of a balanced diet and sustainable food practices.

A part from this institute is also having the inhouse Nutrition and Diet clinic to create awareness of balance diet and spread nutrition knowledge. The objective of Diet and Nutrition clinic was to provide nutrition support with regard to nutritional assessment, nutritional awareness,

providing guidelines to prevent communicable and non-communicable disease and providing treatment of various metabolic disorder. Many patients of different ailments were catered for such as hypothyroidism, diabetes, kidney disorder, liver disorder, hyperlipidaemia, hypertension, obesity, weight gain and many more. Health camps are organized at regular intervals to different areas of Delhi, NCR so as to reach out to those people who are unable to visit in OPD. In camps, we provide free consultation and assessments to people who are in need. We explain to them about their conditions and guide them dos and don'ts with nutrition perspective.

Moreover, MRIIRS actively participates in research endeavors focused on improving agricultural techniques, enhancing crop resilience, and minimizing food waste. These research initiatives not only contribute to local solutions but also feed into the global knowledge pool, advancing innovative approaches to combat food insecurity.

The ISR Arm of MRIIRS Dr. O.P. Bhalla Foundation collaborates with various NGOs and international agencies, MRIIRS harnesses a collective approach to tackle hunger. Our partnerships aim to foster sustainable food systems, promote agricultural innovation, and advocate for policies that ensure food security for all. MRIIRS recognizes that achieving SDG 2 is not only a matter of food production but also entails addressing broader issues like poverty, inequality, and climate change. As such, our commitment extends beyond mere food provision to encompass a holistic approach that seeks to tackle the root causes of hunger.

10.4.3 MRIIRS' Commitment to SDG 3 (Good Health and Well-being)

MRIIRS is firmly dedicated to advancing Sustainable Development Goal 3 (SDG 3) - Good Health and Well-being. At MRIIRS, our dedication to SDG 3 manifests in various dimensions. We place significant emphasis on promoting health and well-being not only within our campus but also within the broader community. Our comprehensive approach includes educational programs, health campaigns, research initiatives, and community engagement. MRIIRS actively engages in health promotion campaigns, addressing prevalent health issues within local communities. Through these initiatives, we strive to raise awareness about various health concerns, encouraging preventive measures and healthy lifestyle choices. The regular health camps are being organized by Department of Dental Sciences, Nutrition and Dietetics, Phsiotherapy and also by Department of Psychology on mental health through **मनोव्रिति: Counseling and Wellness Centre**).

These efforts span from organizing health camps to conducting informational workshops, all aimed at enhancing community well-being. Access to quality sexual and reproductive health services plays a vital role in the well-being of a human being. The services cover a broad spectrum of care, including maternal and new-born care, access to contraception and the prevention and treatment of HIV or other sexually transmitted infections. We at MRIIRS strive to improve reproductive health services and maintain good sexual and reproductive health. MRIIRS supports by providing:

- Sexual and reproductive health care education, assistance, awareness and counselling services for all the students.
- In-campus facilities including Counselling Cell, Grievance Cell, separate Common Room for girls and Boys, all the females' toilets are equipped with free sanitary pad dispensers and incinerators. Free sanitary pads distribution to all the female students was also an initiative towards female hygiene in MRIIRS.
- Awareness through expert talks and outreach awareness camps being organized in the five adopted villages on the topics like mensural hygiene, safety camps, physiotherapy and nutritional advices in breast feeding women.

Furthermore, research forms a fundamental part of our commitment to SDG 3. MRIIRS endeavors to contribute to the body of knowledge related to health and well-being through scientific inquiry. Our research initiatives focus on areas such as disease prevention, healthcare accessibility, mental health, and innovative medical technologies, with the aim of advancing the field and positively impacting public health. Numerous research publications approximately 130 papers and projects in the fields of Well-Being, Psychology, Osteoarthritis, Obesity, Geriatrics, and Dental Sciences are actively undertaken by both students and faculty members.

In addition to these efforts, the institute with the support of Dr. O.P Bhalla Foundation actively collaborates with healthcare professionals, NGOs, government bodies, and international organizations to enhance health care delivery, promote access to quality healthcare services, and develop strategies for disease prevention.



On the occasion of No Tobacco World Day, MRDC in association with Foundation conducted "Tobacco Free Manav Rachna" where an initiative was taken to implement Sections 4 and 6 of the Cigarettes and Other Tobacco Products Act.

A drive was conducted for installing Public notices and Sign boards highlighting Section 4 and 6 of COTPA across the MREI campus. Dr. Wadhwa applauded the initiative and highlighted the ill effects of tobacco usage amongst the younger generation. He also motivated the Faculty members to counsel Students regularly on this issue. In addition, numbers of Administrative and Housekeeping employees and other supporting staff was addressed and sensitized by Dr N C Wadhwa and Dr Sanjay Srivastava about ill effects of Smoking and use of Tobacco.

10.4.4 MRIIRS' Commitment to SDG 4 (Quality Education): Empowering Communities

Manav Rachna International Institute of Research and Studies is actively working in the community engagement and sustainable development by actively engaging in various outreach projects. The university aligns its outreach projects with the Sustainable Development Goals (SDGs). The university demonstrates its commitment to social responsibility by offering, managing, and delivering a wide range of outreach initiatives that benefit the local community. These initiatives encompass diverse domains such as education, health, information services, reading programs, community engagement, and tutorials.

Furthermore, MRIIRS's robust community engagement initiatives, including workshops, visits, waste segregation collection drives, plantation drives, seminars, health camps and collaborations with local partners, as it strives to bridge gaps and collaboratively work towards sustainable change.


Manav Rachna has adopted 5 villages (Maujpur, Hirapur, Nariyala, Chhainssa, Panhera Khurd) of Faridabad district under Unnat Bharat Abhiyaan. Several activities are conducted regularly to educate young children residing in the villages.

- The school facilities in these villages have been upgraded by stocking libraries, constructing toilets, providing furniture, and installing solar panels
- Vocational centers for imparting computer education and spoken English have been established
- Students have been provided with education equipment, uniforms, textbooks, and notebooks.
- Workshops are conducted for capacity building of teachers and school heads using latest teaching aids and equipment and ICT resources.
- Similarly, there has been a widespread activity by MRIIRS to teach girls in the villages and a neighborhood village Mohna in the Faridabad District.

Manav Rachna International Institute of Research and Studies is dedicated to engaging in impactful Social Responsibility (ISR) activities for students in various adopted village schools. These activities encompass a range of initiatives designed to enhance their education and skills. Among these initiatives are computer classes, providing essential technological education to broaden the horizons of learning for the students.

Additionally, vocational training programs are organized, offering practical skill development in various trades, empowering students with employable skills. The "Teacher on Call" initiative aims to provide additional educational support, offering guidance and mentoring to students whenever needed. The "Margdarshan" program offers comprehensive guidance and counseling, helping students navigate their educational journey and career choices. Moreover, "Kaushal Kaaryashala Programme" focuses on honing practical skills and abilities, facilitating hands-on learning experiences for the students.

dropbhallafoundation.org/kaushal-3/





KAUSHAL KAARYASHALA

WHAT IS KAUSHAL KAARYASHALA?

Approximately 47 million students drop out of school. They drop out of school to help support their families financially. The majority are unskilled, untrained, and they are vulnerable to exploitation by society and market forces. The **Kaushal Kaaryashala Initiative** of Dr. OP Bhatta Foundation aims to empower the **Government School Students of Faridabad**. The **Kaushal Initiative** taken by **Dr. OP Bhatta** aims to empower government school pupils from standard 9th to 12th through variety of skill development programs via, online and offline hybrid teaching method. Dr. O P Bhatta Foundation aims to impart skills necessary for better employment opportunities in the higher paying jobs.

THE PILOT BATCH


The pilot batch for the Kaushal Kaaryashala began in November 2021 in which 200 Government School Students from the adopted villages of Manav Rachna Educational Institutions (Mahra, Heerajpur, Naryala, Parhana Khurd, Majpur, Dayapur, Gadherda, Alai, Chama, and Maudhukal) were enrolled for the ITI/IES Skill Development Program. The students who cleared the course would be qualified to work as Basic Level Data Operator. Theoretical lectures were given through online classes while offline practical training was given in the Manav Rachna Campus.

Result of the Pilot Batch

- Out of 200 students, 47 students were selected and made eligible to give the certification exam.
- 46 students passed the exams.

dropbhallafoundation.org/sponsor-a-student/



SPECIAL SCHOLARSHIP

HELP US SECURE FUTURE

What is the Special Fee Scholarship?

Dr. OP Bhatta Foundation provides Special Fee Scholarship to students who are unable to afford the fee of their education. The scholarship is provided to students who are unable to afford the fee of their education. The scholarship is provided to students who are unable to afford the fee of their education. The scholarship is provided to students who are unable to afford the fee of their education.

619
Students Benefited

₹ 8,00,00,000
Worth of Scholarships Granted

You can also Sponsor a Student

Partner with us and help us secure the future of their bright young students. Sponsor a Student and Sponsor their studies to allow them an opportunity for a better, more prosperous future.

Special Scholarship For University Students	Special Scholarship For School Students	Adopt A Student! Sponsor Their Education!
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These activities collectively aim to supplement and enhance the academic curriculum, offering students a well-rounded and enriching educational experience. In conjunction with these efforts, the "Right Approach to Understanding Student Higher Education (RUSH)" initiative aims to provide insights and guidance for higher education, helping students to make informed decisions about their academic futures.

10.4.5 MRIIRS' Commitment to SDG 5 (Gender Equality)

Manav Rachna International Institute of Research and Studies, steadfast in its commitment to the United Nations Sustainable Development Goals, recognizes the profound significance of SDG 5: Gender Equality. MRIIRS acknowledge that gender equality is not only a fundamental human right but also a critical catalyst for achieving social, economic, and environmental sustainability worldwide. As an academic institution, MRIIRS pledges to champion the principles of gender equality in every facet of its activities. We firmly believe in the importance of promoting equal opportunities, eliminating discrimination, and fostering an inclusive environment where every individual, regardless of their gender, can flourish and reach their full potential.

MRIIRS endeavors to empower and educate its students, faculty, and staff about the paramount importance of gender equality and women's rights. Through research, education, advocacy, and community engagement, MRIIRS strives to contribute to the realization of SDG 5. MRIIRS promotes academic and applied research within and cross-domain disciplines through an intellectually inspiring and supportive environment. There is a Research Innovation and Incubation Policy, augmented by necessary infrastructure that aids the eco-system to stimulate quality research in emerging areas including gender equality, transformation, and impact. As per the principles stated in our Gender Equity Policy, MRIIRS is committed to ensuring equal and equitable opportunities for all students, and employees regardless of their gender. MRIIRS ensures that all female students achieve their potential, through full and active participation. The policies, plans and programmes are committed to addressing any barriers, so that the student community becomes more self-assured. As a result, access and participation of women candidates and students to MRIIRS programs have always been very high.

The University has a Gender Sensitizing Cell (GSC) that prepares an annual plan to raise awareness on the Gender issues, for all, to promote the gender consciousness and empowerment. MRIIRS through its proactive faculty, staff and student programs, follows an annual Strategic Perspective Plan (SSP), under which the departments prepare a will annually look into the following semester wise Events Calendar, to fulfill the mandate of promoting Human Values, gender sensitizing and social responsibility. GSC is committed to organize Webinars, Seminars, Panel Discussions, and Workshops etc. for Gender Awareness, Gender Sensitization, and Women Empowerment etc. It includes awareness of concerns like Gender based Violence; Gender based Discrimination, Fundamental Rights etc. The activities are conducted by GSC including the following:

- Awareness drives related to Women Empowerment and Gender Equality all through the year.
- Celebration of International Women's Day in association with Student Welfare.
- Activities on Gender Stereotypes via role plays and workshops.
- Motivating girl students and women staff to take leadership roles in the campus.
- Motivation to Female Student/employee to accept the leadership roles in the Campus

Following activities aided to increase affirmative action and empowerment in the above areas during the AY 2022-23

Gender Sensitizing Cell: Activities AY 2022-23

S. No	Schedule	Audience	Theme/Topics	Faculty	Date of Conduct
1	Sep-22	Students and Staff	Understanding Gender Diversity & Sensitization (during Orientation program for New Students)	Central Team	30-08-2022
2	Nov-22	Students and Staff	International day for the elimination of violence against women	GSC Cell /FMeH DJMC	25-11-2022 to 10-12-2022
3	Nov-22	Students and Staff	Radio programme - International day against Elimination of violence against Women	GSC Cell /FMeH DJMC /RMR	25-11-2022
4	Jan-23	Students and Staff	Session for students towards gender sensitization	FAHS	23-01-2023
5	Jan-23	Students and Staff	Role and purpose of the Gender Sensitising Cell	FMeH -DJMC	23-01-2023
6	Jan-23	Students and Staff	Awareness session on Gender Sensitization	FMS-PG	23-01-2023
7	Jan-23	Students and Staff	Master class on Gender Sensitization in Higher Educational Institutions	FOC	24-01-2023
8	Jan-23	Students and Staff	Q&A session on Gender Sensitization in MRIIRS Community	FHM	25-01-2023
9	Jan-23	Students and Staff	Session for Faculty Members towards their role in gender sensitization	FAHS	25-01-2023
10	Jan-23	Students and Staff	Session on Students Empowerment : on respecting inclusivity, differences and consent	FBSS	27-01-2023

11	Jan-23	Students and Staff	Session on Role and importance of Gender equality in professional and personal life	FET	27-01-2023
12	Jan-23	Students and Staff	International Conference on Women in Indian Society: A Representation in Literature, Art and Culture	FMeH -English	27-01-2023 to 28-01-2023
13	Feb-23	Students and Staff	Guest lecture on "Barriers of Women Empowerment"	FMeH -English	02-06-2023
14	Mar-23	Students and Staff	"GENDER EQUAL FUTURE-TECHNOLOGY, INNOVATION AND INCLUSION"	Gender Sensitizing Cell	03-02-2023
15	Mar-23	Students and Staff	Cyber Jagrookta": A programme on Legal Awareness and Cyber Crime	OP Bhalla Foundation/DSW	03-03-2023
16	Mar-23	Students and Staff	Women's Day celebration: Brainstorm Career Opportunities in Civil Engineering with Women in the Sector"	Department of Civil Engineering, FET, MRIIRS	03-10-2023
17	Mar-23	Students and Staff	Visit to 18th AIWRT Asian Women's Film Festival	FMeH -DJMC	15-03-2023 to 17-03-2023
18	Mar-23	Students and Staff	Insta Live sessions with WeDiversify-India Female Economy & Intentional Inclusion	FMeH -DJMC	06-03-2023 to 09-03-2023
19	Mar-23	Students and Staff	Insta Live sessions with WeDiversify-India Female Economy & Intentional Inclusion	FMeH -DJMC	27-03-2023
20	May-23	Students and Staff	Introduction to POSH at Work (Prevention of Sexual Harassment of women at workplace Act 2013)	Chairperson GSC	25-05-2023



Walk Towards Orange



Session on Gender Equality

In classes, faculty members promote working together, fair representations for leadership roles, facilitate impartial participation, gender balance in team projects, when possible, promote students meeting with faculty, having open and closed sessions with faculty members of the appropriate gender for related scenarios, complaints, and counseling during class hours and at hostels. The university follows the Mentor-Mentee program, whereby through vertical mentoring the students are regularly monitored for all aspects of teaching learning experience. It is also ensured that the assigned group of mentees to mentor follows gender parity.

10.4.6 MRIIRS' Commitment to SDG 6 (Clean Water and Sanitation)

Manav Rachna International Institute of Research and Studies (MRIIRS) is dedicated to fulfilling the objectives of Sustainable Development Goal 6 (SDG 6) - Clean Water and Sanitation. MRIIRS actively engages in initiatives aimed at water conservation, access to clean water, and improved sanitation facilities. We prioritize sustainable practices to manage and conserve water resources within our institution and the communities we serve.

Manav Rachna Centre for Advance Water Technology & Management (MRCATM) was established in 2017 to pursue teaching, research, consultancy and impart training programmes in hydrogeology, water resources engineering and management, water quality and collateral environment and ecology issues. The center brings together a group of experts and researchers specializing in various fields, including hydrology, hydrogeology, hydrochemistry, eco-hydrology, and environmental management. Additionally, the Center has cultivated expertise in community-oriented water resource development, socio-hydrology, and sustainable management based on watershed principles.

Its primary goal is to tackle the real-world challenges confronted by stakeholders and serve as a platform for science and technology-driven solutions. These solutions encompass non-invasive investigations, analysis of water quality, wastewater recycling, examination of surface and groundwater dynamics and resources, interpretation of satellite data, hydrographic analysis at local and regional scales, mathematical modeling of water resources, and the application of Geographic Information Systems (GIS).

Major Projects undertaken by CAWTM towards Sustainability:

- Atal Bhujal Yojana (Atal Groundwater Mission) is to demonstrate community-led sustainable ground water management which can be taken to scale. The Atal Bhujal Yojana which is implemented in seven water stress states of India, including Haryana, is funded by Govt. of India and World Bank
- Study for Rainwater harvesting around Iron ore mine of Dholta Pahar, and Netrabandh Pahar, Sundergarh, Odissa
- Impact assessment of underground mining of Manganese Ore on GW (Ground Water) in and around Miragpur, Balaghat Madhya Pradesh, India and Panderwani, Balaghat Madhya Pradesh, India

- Hydrogeological Investigation and Impact Assessment for Dholtapahar and Netrabandha Pahar (West) for Iron Ore Block, Sundergarh District, Odisha
- Jal Jeevan Mission is an ambitious project taken by the Govt. of India to ensure achieving the Sustainable Development Goal SDG-6, where functional tap connection has to be provided to each individual household of rural India. The project has been adopted by Haryana State and MRCAWTM, MRIIRS has been engaged as State Implementation Support Agency (SISA).
- Hydrogeological surveillance of fresh water and saline water interface at Barmer area of Rajasthan funded by CAIRN - Vedanta Oil & Gas Pvt. Ltd. CAIRN Oil and Gas use saline water for increasing oil production
- Hydrogeological Investigation and Impact Assessment for Dubiyara Iron Ore Mines, Sihora Tahsil, Jabalpur District, Madhya Pradesh
- Co-solving water logging and groundwater depletion issues in parts of Faridabad Smart City-Project” is for targeting the urban water management and for improving its sustainability.
- Rainwater Harvesting in Khoh Village in Manesar, Haryana, India
- Feasibility of Revival of Badkhal Lake at Faridabad, Haryana, India

Manav Rachna International Institute of Research and Studies (MRIIRS) places significant emphasis on effective wastewater management to ensure environmental sustainability. Our institution is committed to implementing comprehensive strategies and practices for responsible wastewater treatment and management. MRIIRS has installed a 200KL/Day Sewage Treatment Plant (STP) to treat the sewage generated within the campus. It is used to generate sufficient treated waste water per day to irrigate 2.87ha planted landscape within the lush green campus and for flushing purposes. The output water quality of STP is maintained keeping Biochemical Oxygen Demand (BOD) within permissible level. Frequent analysis of output water is done to keep check on its quality.

The awareness camps organized by MRIIRS emphasize the importance of responsible water usage and the need for conservation practices. Through interactive workshops, educational sessions, and hands-on activities, participants are informed about the various ways to conserve water in their daily lives. These camps foster a deeper understanding of the challenges related to water scarcity and the urgent need for conservation measures. Participants are encouraged to adopt water-saving practices both at home and in their communities, promoting a collective responsibility for preserving this precious resource.

CAWTM PROJECT-Co-solving water logging and groundwater depletion issues in parts of Faridabad Smart City using Underground Taming of Flood Water for Aquifer Storage and Recovery

- **Motivation and Problem Statement:**

Groundwater over extraction due to urbanization and growing population of Faridabad city of India area has depleted its aquifers. In the recent past, increasing extreme events of rainfall and growing paved area has witness huge waterlogging in low lying parts of city particularly in areas with shallow impervious layers.

Urban waterlogging is a major concern growing fast in India due to an increase in climate change-related extreme rainfall events. The National Disaster Management Authority has classified urban floods as separate disasters. Urban waterlogging happens in parts of Faridabad Smart City on such a scale that the residents are bound to remain under house arrest for days during heavy rains in monsoons each year. Streets remain submerged under 2-3 feet of water for several hours; transport and movement are totally abandoned. Even if water is removed, mud and dirt persist for several days creating an unhealthy atmosphere and enhancing the risk of waterborne and communicable diseases. A smart solution to a smart city addressing these two critical issues of Faridabad Smart City (FSC) is the need of the hour.

- **Objectives:**

The project of 36 months duration with 0.7012 crore budget, submitted with the title "Co-solving water logging and groundwater depletion issues in parts of Faridabad Smart City using Underground Taming of Flood Water for Aquifer Storage and Recovery" to the Department of Science and Technology, Government of India, got sanctioned to Manav Rachna CAWTM in May 2021.

Under this investigation it was proposed to divert the urban flash flood creating water logging condition with the following two major objectives:

- * Developing solutions to the street water logging and groundwater depletion through Underground Taming of Flood water (UTF) for Aquifer Storage Recovery (ASR) in Faridabad Smart City.
- * Identification of suitable aquifer zones for recharge in the Faridabad Smart City.

- **Impact Assessment:**

To solve this twin problem of Faridabad Smart City, Manav Rachna Water Center MRCAWTM of Manav Rachna International Institute of Research and Studies Faridabad, has been granted a research project from WTC, Department of Science and Technology (DST), Govt of India.

Two locations were identified under FSC area in sector 16A (PWD, B&R colony) and 15A (Officers' colony) in consultation with FSCL and PWD, Faridabad. Here, streets remain submerged under 2-3 feet of water for several hours; transport and movement are totally abandoned. Even if water is removed, mud and dirt persist for several days creating an unhealthy atmosphere and enhancing the risk of waterborne and communicable diseases.

The newly constructed systems at Officers Colony, Sector 15A, and B&R Colony Sector 16A Faridabad are working absolutely fine and has been tested during last two monsoons. First during 73mm of rainfall on 30th Aug 2022 and is reconfirmed during last two days wide spread rain of 22nd and 23rd Sept 2022 (110mm in 24hr on 22 Sept 2022, IMD). The system collects water first in a de-siltation chamber through a gutter having a baffle wall to reduce silt load and provide laminar flow transfers to the coagulation chamber by gravity for pretreatment of storm water to reduce suspended particles, the water moves further to filtration cum recharge well by gravity flow. From where the silt-free storm water enters to recharge well and transfer to the vadose zone just above the water table by passing a large dry zone to release water through a slotted casing. The water moves to the aquifer travelling through a small part of the vadose zone. It provides a faster absorption rate and safer discharge of rainwater to the aquifer to co-solve two critical water issues in gainful manner.



Actual pictures of site at Sector 15A Faridabad, before and after construction of ARS System

- **Salient features of the project**

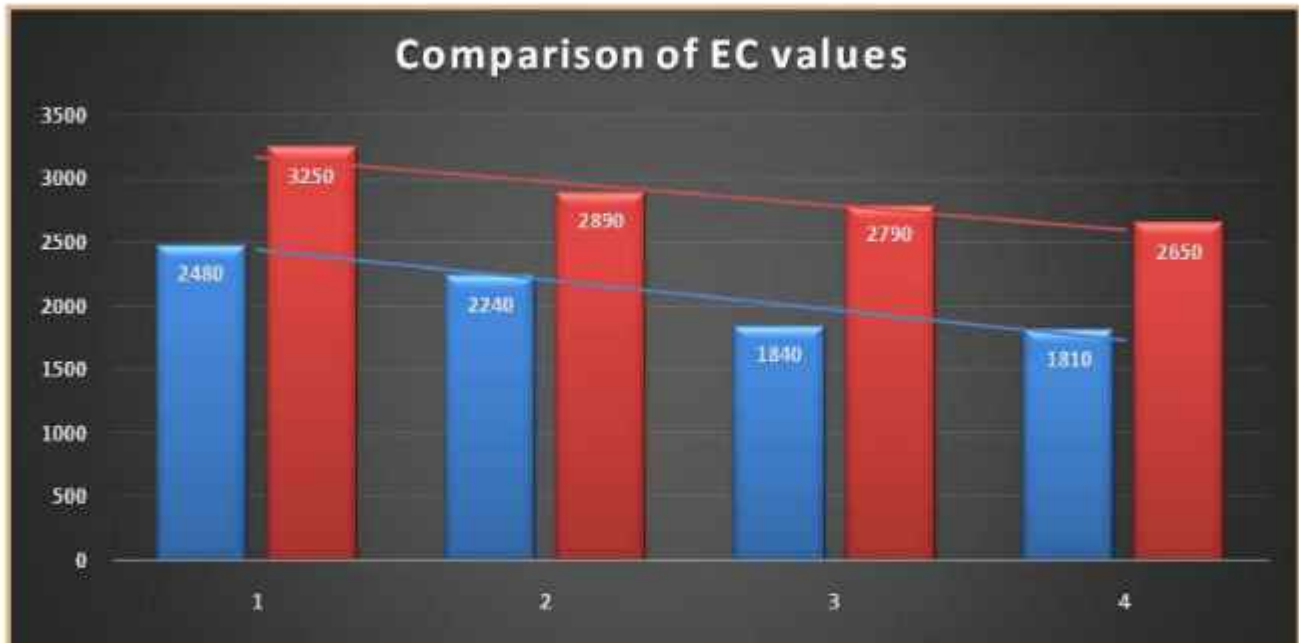
1. The project is own by MRCAWTM, MRIIRS through Principal Investigator Dr Arunangshu Mukherjee and Co PI Dr Nidhi Didwania
2. The total cost of Project is Rs 70.12 lakh
3. Duration of project is 36 months and the project started in May 2021
4. It is proposed to construct 04 Aquifer Storage and Recovery Structures to co-solve urban water logging and groundwater depletion.
5. Locations were identified considering the waterlogging due to near surface impervious layer in the depleted groundwater areas of Faridabad

6. The area is having over exploited unconfined to semi confined alluvial aquifer
7. In the first phase, two such structures are created in sector 15A and 16A in last two years.
8. Catchment area for each structure is about 3.25ha
9. The suitable subsurface recharge zone has been identified through drilling, well logging and water quality analysis.
10. Each structure has been deigned to absorb maximum up to 2000m³/day rain
11. There are three chambers in this structure (i) de-siltation chamber (ii) coagulation chamber and (iii) filtration cum recharge well
12. The filtered water is released above groundwater table in vadose zone for further natural filtration for safe disposal of recharge water.
13. The structures were tested during the last 2 monsoon period. With about 100mm rainfall in 24 hrs time these structures were able to absorb all generated runoff within few hours.
14. Positive impact has been observed on EC concentration of groundwater in the vicinity of created ASR system
15. The structures have been constructed in the land of PWD and will be handed over to PWD after completion of the project for further maintenance. Faridabad Smart City Limited (FSCL) has helped to obtain NOC for the construction of structures in PWD premises.
16. Positive Feedback has been recorded from the residents of respective colony area about the working of these structures.
17. The success of this pilot project has already created buzz in the area and FMDA (Faridabad Metropolitan Development Authority) shown its keen interest to replicate these systems in about 20 places in Faridabad. A concept note has been submitted by Manav Rachna in this regard.
18. NIUA (National Institute of Urban Affair), New Delhi also keen in replicating the project at suitable localities in Delhi –NCR, discussions are in progress.





Actual pictures of site at Sector 16A B&R Faridabad, before and after construction of ARS System and inauguration event.



Comparison of EC values of two conjunctive years at Officers colony (blue) and B&R Colony (Orange)

Our commitment to SDG 6 underscores our dedication to ensuring that everyone has access to clean water and adequate sanitation. MRIIRS continues to implement and advocate for sustainable practices that contribute to the realization of this fundamental human right.

10.4.7 MRIIRS' Commitment to SDG 7 (Affordable and Clean Energy)

Manav Rachna International Institute of Research and Studies is deeply committed to advancing Sustainable Development Goal 7 (SDG 7) - Affordable and Clean Energy. Our institution actively pursues initiatives that focus on ensuring access to affordable, reliable, sustainable, and modern energy for all. MRIIRS prioritizes the adoption and promotion of sustainable energy practices. The institute works towards reducing its carbon footprint by implementing renewable energy sources and energy-efficient technologies across its campus. Furthermore, the institution engages in educational programs and awareness campaigns to promote the understanding and adoption of clean energy practices among its community and beyond. These initiatives aim to highlight the importance of renewable energy sources and their role in achieving a sustainable energy future.

Additionally, MRIIRS collaborates with various stakeholders, industry experts, and policymakers to advance the adoption of clean energy solutions. These partnerships drive initiatives that contribute to the implementation of sustainable and environmentally friendly energy practices.

The Green Policy of MRIIRS, aims to institutionalize best practices for environment protection, natural resource conservation and sustainable development through a human– environment co-existence model.

The university is committed towards sustainability through effective participation and supervision of institutional resources with assurance of providing excellent teaching, learning and research environment. The MRIIRS green policy ensures that the university works in a tenable manner by managing its water and energy consumption with a wise, responsible and efficient usage of water and energy.

The commitment to SDG 7 is ingrained in the core of MRIIRS, reflecting its dedication to fostering a sustainable energy ecosystem that ensures accessibility, reliability, and affordability of clean energy for a more sustainable future. MRIIRS promotes the usage of affordable and clean energy by conducting various awareness programmes, competitions, pledges, etc. within and beyond campus. To ensure that MRIIRS has an efficient energy management system and identify the areas where energy consumption is maximum, it has regularly undergone surveillance audits. Energy Management System of MRIIRS is ISO 50001:2018 certified since July 22, 2022 by Intercert Private Limited, and Environment Management System of MRIIRS is ISO 14001:2015 certified since July 04, 2022 by KVQA Certification Services Private Limited.

MRIIRS has won appreciation from different organisations for the spreading awareness about need of maintaining clean and green environment and reducing energy consumption by conducting various activities within and outside its campus.

- Energy Swaraj Foundation has felicitated MRIIRS with Silver certificate of Appreciation for making 500+ people Energy Literate.
- MRIIRS has also received appreciation from the Mahatma Gandhi National Council of Rural Education for facilitating and completing the Green activities on campus by the faculty members and students.
- MRIIRS organized One Week Environment Protection Programme to create awareness amongst people about the usage of clean energy resources to protect Environment from harmful effect caused due to usage of non-renewable sources of energy.
- Various activities were organized during the awareness programme including Blog writing competition: "Nature Based Solutions", and A quiz competition: "Know your Earth".
- Mega Tree Plantation Drive in Adopted Village: Tree plantation drives play a crucial role in energy conservation and the promotion of clean and green energy by reducing energy consumption, sequestering carbon, and contributing to a more sustainable and environmentally friendly community and world. MRIIRS organized a Mega Tree plantation drive at 10 adopted villages: Mohna, Maujpur, Hirapur, Nariyala, Panhera Khurd, Chainsa, Atali, Mothuka, Dayalpur, and Gadkheda in a single. More than 3000 trees were distributed during this drive.

SILVER CERTIFICATE OF APPRECIATION

With sincere gratitude, this certificate has been awarded to
*Manav Rachna International Institute
Of Research And Studies*

for making their institution's **500+** people **Energy Literate**. The **Energy Swaraj Foundation** is grateful for your contribution to global sustainability and your support in Energy Swaraj Movement.



PROF. CHETAN S. SOLANKI
Founder
Energy Swaraj Foundation

10.4.8 MRIIRS Commitment to SDG 8 (Decent Work and Economic Growth)

Manav Rachna International Institute of Research and Studies is dedicated to advancing Sustainable Development Goal 8 (SDG 8) - Decent Work and Economic Growth. Our commitment revolves around fostering inclusive economic growth and promoting opportunities for decent and productive employment for all. MRIIRS actively promotes various initiatives that contribute to economic growth and decent work opportunities. The institution focuses on providing skill development programs, entrepreneurship initiatives, and career development opportunities for its students.



- **Policy and Procedures for Faculty and Staff Welfare:**

MRIIRS has instituted an employment policy that promotes a gender-neutral atmosphere within the organization, fostering a harmonious and supportive work environment for all faculty and staff members throughout its campus. Faculty and Staff Well-being encompasses various aspects, including employee orientation and induction, recruitment, comprehensive training, skill development, performance appraisals, fair compensation and benefits, employee motivation, effective labor relations, safety compliance, and health regulations. The university is dedicated to taking all reasonable steps to enhance employee welfare, with a specific focus on addressing the needs of female staff.

- **Transparent and Unbiased Appraisal System:**

All employees are subjected to performance appraisal through suitable assessment mechanisms. These assessments are conducted consistently, impartially, and encompass all pertinent aspects of an employee's job and responsibilities. The appraisal data for faculty and staff members serves as a foundation for decision-making, influencing actions related to appraisal, promotion, and tenure, both for the reporting officer and the Appointing authority.

- **Gender Equity at MRIIRS:**

As an educational Institution, MRIIRS plays an important role in the development and progress of the Faculty and Staff members irrespective of the gender. In delivering on the promise of excellence, the Gender Equity Policy guides the institutionalization of policies and practices that promote gender equity and equality and which ensure that no member faces discrimination or harassment on the basis of their gender.

The overarching purpose of the Gender Equity Policy is to operationalize gender mainstreaming, thereby ensuring that all genders have equitable access to the resources and tools of development to better their lives. It ensures that all genders study and work in an environment that protects the fundamental rights and freedoms of all. For dealing with complaints the University has a special Internal Complaints Committee for Prevention of Sexual Harassment, to empower and bring justice to the victim.

- **Placement Opportunities for Students:**

The prime objective for most of the students to enrol in higher education is to get a job after completing the programme. It is a dream of every student to either get placed in top MNCs or start his/her own venture to achieve his/her set goals and objectives. Keeping in view all these stated facts and with the aim to place the maximum number of students, MRIIRS has levelled up by equipping and upgrading its training and placement unit by proper balancing the curricula of different programmes giving emphasis on multi-disciplinary environment and Skill-based Education. Corporate Resource Centre (CRC) is one of the facilitating centres of MRIIRS, which engages with the industry and constantly strives for expanding the industry-academia interface. Fulfilling the dreams of the students to get placed in the companies of his/her choice has been a constant endeavour of CRC. The CRC invites relevant companies to the campus and help them conduct the recruitment drive. It also registers and informs students about the placement drives being conducted in or outside the campus. The CRC also publishes/notifies the advertisements about walk-ins or recruitment and informs students about internship opportunities. Moreover, MRIIRS collaborates with industries and businesses to create avenues for internships, placements, and experiential learning, ensuring students are equipped with practical skills and experiences that align with market demands.



Furthermore, the institute engages in community-focused economic development initiatives, supporting local businesses, and contributing to regional economic growth. MRIIRS' commitment to SDG 8 reflects its dedication to nurturing an environment that fosters economic growth, offers decent employment opportunities, and advocates for inclusive and sustainable economic development for all.

10.4.9 MRIIRS' Commitment to SDG 9 (Industry, Innovation and Infrastructure)

Manav Rachna International Institute of Research and Studies (MRIIRS) is dedicated to fostering innovation and actively encourages various efforts aimed at generating and disseminating knowledge. The university has established a strong innovation ecosystem, where young, creative minds are nurtured, and their innovative capabilities are harnessed within an academic setting. This environment contributes solutions to numerous challenges faced by both society and industry.

Manav Rachna Innovation and Incubation Centre (MRIIC) is an initiative to encourage and support the creation of knowledge-based and technology-driven start-ups backed by the Government of India-funded NewGen Innovation and Entrepreneurship Development Centre (NewGen IEDC) which help the students to commercialize their start-up ideas and innovations. Besides the university has state-of-the-art labs and centres of excellence offering skill set enhancement by nurturing industry-academia partnerships. The focus is on applied research leading to patents, research publications and generation of IPRs with the ultimate objective of improving employability of a university graduate.



In a broader sense to drive forward the now compromised environment towards Sustainable Development, the SDG 9, having vast importance through Industry, Innovation and Infrastructure plays indeed a key role to remedy the issue.

The university has been recognized for its research acumen at State Government level, as reflected in award of State Government Projects on National Flagship Programs namely Jal Jeevan Mission (JJM) and Atal Bhujal Yojna. In Jal Jeevan Mission (JJM), the university participated as State Implementation Support Agency (SISA) for Public Health Engineering Department (PHED) with funding of Rs 47.53 lacs for the year 2021-22 and has been given extension for one more year i.e., 2022-23. In Atal Bhujal Yojna Atal Jal, MRIIRS is associated as District Implementation Partner (DIP) with Water Resource and Irrigation for Atal Bhujal Yojna Atal Jal having Faridabad and Palwal Districts as work domains with funding of Rs 7.73 Crores for a period of 4 years. Other prime research projects awarded are from Department of Biotechnology, GoI with Regional Centre for Biotechnology (RCB) with funding of Rs. 15 lacs (7.5 + 7.5 each) and Department of Nutrition & Dietetics of Rs. 21.7 lacs from NFSM- ICAR, GoI apart from several other government and non-government funded projects. It is worth appreciating that a grant of Rs. 3 Lakhs has been awarded by ICMR to 6 students of Dental Science for their research work in the form of fellowship. MRIIRS commitment to SDG 9 reflects its dedication to fostering innovation, supporting industry advancements, and ensuring the development of resilient infrastructure for sustainable growth and progress.

- **Industry Partnerships**

MRIIRS boasts state-of-the-art research facilities, including modern laboratories, well-equipped libraries, and access to extensive online resources along with industry integrated centre of excellences such as Centre for Advanced Water Treatment Board, Mitsubishi electric India, Honda, and Microsoft to pursue the research in their area of expertise. To make it easier for researchers to access e-resources, MRIIRS has set up a center with Springer and Nature. This means that students and faculty can easily reach and use a wealth of electronic research materials and publications from these reputable sources. It's a valuable resource for research and academic pursuits at MRIIRS.. MoU's with numerous industries such as Microsoft, Intel, Electric One, Mitsubishi Electric India and Infispark aiming to offer students and faculty members valuable exposure by means of hands-on experience, training, and workshops.

MRIIRS has the long list of academic collaborations (more than 45) including HCL, Microsoft (Knowledge partner for B.Tech AI/ML & Cloud computing program), Oracle, Infosys (Infosys Spring Board Program), Coding Ninjas, Electric One Mobility (Internship or On the Job Training), Regional Centre for Biotechnology (Internship, Training Programs/Workshops), Foresight Biotech, Navjyoti India Foundation, Gurugram (Collaborative Research and Consultancy), Mitsubishi Electric India Ltd (Trainings/Workshops/Internship), TPCRA/IBA and Dragon Chain USA (Assistance in providing Global Certifications and trainings like SDP, Workshops and FDP in the area of Blockchain technology), Codetantra Tech Solutions Pvt. Ltd. (Assistance in Virtual Lab setup and providing latest Lab content in a simulation environment), Globus Eight India Pvt.Ltd (Placement Drives, Expert Lectures, Assistance in curriculum and Lab Programs updation as per latest industry requirements), StatusNeo Technology Consulting

Pvt. Ltd (Placement drives, Career Awareness Talks and training programmes for the faculty members on advanced technologies), VDoIT Technologies Pvt. Ltd.(Providing internship and placement to students, Assistance in upgarding the curriculum and Lab Programs as per the latest Industry requirements), BSE India Ltd. (Industry Experts and students' Academic interaction for BBA (Banking and FM) students), RASCI and Reliance Trend (On the job training for BBA Retail students), UpGrad (Industry Experts and students' Academic interaction for BBA (Digital Markrting) students), The Creative Cuisine Inc Learning, India, Sony India (Job Training, Internship, Film Screening), Sarvodaya Hospital, Asian Hospital, (Internship /Project Work of Physiotherapy students), Asha Jyot Drug Deaddiction Center & Rehabilitation Center, Faridabad (Dental Academic and Clinical Training), University of Mallaya (Research Collaboration), GSR Institute of Craniofacial Surgery, Hyd (Academic and Clinical Training), Physiotherapy Academy YAB (Internship,Projectwork,Faculty/Student Exchange and collaborative Research), Universitas Sultan AgengTirtaya (UNTIRTA)- Internship /Project work/ Advanced training, Asyiah Politechniq Pontianak, Indonesia (Research Agreement), Morarji Desai National Institute of Yoga (MDNIY), NIFTEM, AIS NewZealand and many more.

Manav Rachna believes in having a strong industry-academia partnership with an emphasis on creative ideas and R&D funding to boost research.

- * MRIIRS has MoU with Mitsubishi Electric India in the vertical of semiconductors under which Semiconductors & Devices Lab in Collaboration with Mitsubishi Electric India (MEI) was set up. Mitsubishi Electric India has also established the Centre of Excellence "SEMICONDUCTOR & DEVICES LAB" in MRIIRS. The lab is equipped with Insulated Gate Bipolar Transistor(IGBT) Modules, Intelligent Power Modules, High-Voltage Insulated Gate and Bipolar Transistor Modules. Regular workshops and talks are organized in the lab for providing zest of the cutting-edge technology. The centre helps in boosting the skills of the students and is providing ample opportunities for undergraduates, postgraduates, and research scholars.



**Centre of Excellence:
Semiconductor & Devices Lab**

- * Manav Rachna International Institute of Research and Studies has set up MR Centre for Cyber Security in collaboration with HCL. Cyber Security is paramount in today's times where data is the nucleus of each functional area. The Centre aims to augment awareness and understanding of Cyber Security in addition to catalyzing Innovation, Entrepreneurship, and Capability Building in the area. Initiated with a commitment to creating a safe, secure and trusted cyberspace, the Centre will provide a platform for incubating a Start-up Ecosystem and a means for Contemporary R&D.



- * Ernst & Young and CISO Academy jointly collaborate with MRIIRS: This alliance aims at spreading awareness and understanding of an integral part of today's world - Cyber Security. Apart from conducting cyber security workshops, webinars, and certification programs, CISO and EY will also participate as knowledge partners in industry events organized by MRIIRS.

Manav Rachna International Institute of Research & Studies

collaborates with

EY Building a better working world

&

CISO ACADEMY

for

Cyber Security

Workshops | Certification Programs | Training Programs

- * Manav Rachna International Institute of Research and Studies (MRIIRS) and Electronic Industries Association of India (ELCINA) on 21st July 2023 signed a Memorandum of Understanding (MOU) to pave the way for a stronger partnership and collaboration between the two organizations in the electronics industry.



- * Electric One launches India's first-ever Electric Vehicle Center of Excellence 'Skill Next' at Manav Rachna Having carved a distinct niche for itself in a short span of time, EV vehicles Retailing Pioneer and India's Largest EV Super Store Chain Electric One Mobility Pvt. Ltd. has set a new benchmark in taking the EV revolution to the next level. It has launched India's First-ever Electric Vehicle Center of Excellence (COE) "Skill Next" at Manav Rachna International Institute of Research and Studies, Faridabad.



- * Centre of Excellence for Solar PV Skills The Centre of Excellence for Solar PV Skills was inaugurated at Manav Rachna campus by **Dr. Ashwini K Aggarwal, Director-Government Affairs, Applied Materials India**. The centre is a Joint Initiative of Electronics Skill Sector Council of India (ESSCI), Manav Rachna and Applied Materials. The objective of the centre is to impart high-quality training for Solar Roof Top design wherein participants will be exposed to the solar design software for planning and assembling the entire structure from scratch. The training programmes are being organized by involving active participation and guidance of Solar Experts from ESSCI and Applied Materials. 3KW Solar System has been assigned for carrying out experimental work during the training program.



- * Centre for Dental Excellence Manav Rachna Centre for Dental Excellence (MRCDE) in the august presence of Dr. Ashish Kakar, Director MRCDE and a renowned Implantologist and Dental Surgeon. MRCDE has been established to provide common people with easy access to world-class dental care. MRCDE works on cloud-based software to book an appointment online, and also feeds the details of the patients, sends timely reminders for check-up, and birthday wishes to patients. This software also helps keep a track of patient's history. MRCDE has consultants from various specializations making itself a one-stop-solution for all dental treatments: Esthetic & smile designing, Pediatric Dentistry, Orthodontics, Endodontics & Cosmetic Dentistry, Oral and Maxillofacial Surgery, Prosthodontics, Periodontics, and Implant Dentistry. It provides premier cosmetic and family dental treatment with flexible appointments. It is well-equipped with state-of-the-art equipment and technologies to provide world-class dental care to our patient.
- * Centre of Excellence for Culinary Art in association with CCI Learning Centre of Excellence for Culinary Art was launched at the School of Culinary and Hotel Management (SCHM), Manav Rachna International Institute of Research and Studies (MRIIRS). The centre has been established in collaboration with Creative Cuisine Inc. Learning, founded by Mr. Virender Handa and co-founded by Chef Kapil Middha. The Centre of Excellence is fully equipped with top-of-the-line equipment and a comprehensive collection of cooking essentials to prepare students for the industry. To start with, the centre is offering B.Sc. in Culinary Arts.



- * Manav Rachna Centre for Advanced Water Technology & Management (CAWTM) Centre for Advanced Water Technology & Research has been setup at MR Campus which comprises scientists, technocrats, professionals, academicians, members of RWAs, etc as Manav Rachna consortium. The centre is focusing on all the problems associated with water and its issues and would bring about awareness and solutions in this area.



- * MoU Signed between Coding Ninja and MRIIRS to enhance training and placement opportunities To provide ample skilling opportunities to the students of computer science and engineering, an MoU has been signed between the CSE Department of Faculty of Engineering and Technology, Manav Rachna International Institute of Research and Studies and Coding Ninjas.



- * MOU Signed Between SheepMedical India and Manav Rachna Dental College Manav Rachna Dental College is an institution that believes in expanding the boundaries of knowledge. With the same zest, a collaboration was signed on 11/7/2023 between Sheep Medical India and Manav Rachna Dental College, SDS, MRIIRS, to promote research in the treatment of Cleft lip & palate patients at our peripheral centre. The main theme of the event was to strengthen the mitigations towards cleft lip & palate treatment that India and most developing & underdeveloped countries have been facing locally as well as globally.



- * Memorandum of Understanding (MoU) between the Molecular Biosciences Research Cluster (MBRC), Dept. of Biotechnology at MRIIRS and Foresight Biotech Pvt. Ltd. Manav Rachna International Institute of Research and Studies takes a giant leap towards fostering innovation and academic excellence. The landmark collaboration is tailor-made for Ph.D. studies, with the industry generously sponsoring our Ph.D. candidate. This milestone partnership promises to open new horizons for groundbreaking research, enabling our students and scholars to dive deep into cutting-edge advancements. Together, we aim to push boundaries and make a lasting impact on the world of biotechnology.

Manav Rachna International Institute of Research & Studies

Collaborates with



To foster innovation and knowledge exchange by connecting industrial practices with academic research

- * MoU with Sony India by the Department of Journalism and Mass Communication of the Faculty of Media Studies and Humanities. In order to facilitate the partnership, Sony India is sharing supply gear like cameras and ongoing educational initiatives like workshops, photo walks, training sessions, and guest lecturers from international cinematographers. This collaboration also aids the student's participation in other national and international photography competitions. As part of this MoU, Manav Rachna is being given a special discount on purchasing Sony equipment for the studio. This discount is applicable for the students as well with the University reference.



Memorandum of Understanding

Manav Rachna Signs MoU
with

SONY

- * MODROBS (MODERNISATION AND REMOVAL OF OBSOLESCENCE) MRIIRS is also equipped with IoT centre in the Department of Electronics and communication Engineering through the government scheme MODROB (Modernization and Removal of Obsolescence). To improve the functional efficiency of technical institutions for Teaching, Training, and Research purposes, the MODROBS (MODERNISATION AND REMOVAL OF OBSOLESCENCE) scheme of AICTE aims to modernise and remove obsolescence in the Laboratories, Workshops, and Computing facilities (excluding Libraries). Under this scheme, Department of Electrical and Electronics Engineering at the Manav Rachna International Institute of Research and Studies has been awarded a grant-in-aid worth 19.11 lakh. The MODROB Lab (Video) established at the Manav Rachna campus will aid in multidisciplinary research and will be beneficial for the students working in Embedded Systems, Internet of Things and Automation. The lab was inaugurated by Dr. S.K. Varshney, Adviser/ Scientist G, Department of Science and Technology, Government of India in the presence of senior dignitaries of Manav Rachna.



To enhance the skills of the students, apart from the Departmental Industry collaborations, Career Development Centre (CDC) and Career Resource centre (CRC) provide great chances for students to get acquainted with corporate culture, which helps them prepare for future jobs at these companies after they graduate. These collaborations also give students the chance to receive specialized training in industrial applications, making them more skilled at navigating the complexities of the industrial world.

10.4.10 MRIIRS Commitment to SDG 10 (Reduced Inequalities)

Manav Rachna International Institute of Research and Studies, committed to the principles of the United Nations Sustainable Development Goals (SDGs), recognize the urgent need to address inequalities within and among our university community and in the broader global context. Our Equality, diversity and Inclusiveness (EDI) policy underscores our commitment towards SDG 10 to provide equal opportunities, respecting diversity in all its forms, and fostering an inclusive environment where every member of our community feels valued and supported. To acknowledge that inequality exists in various forms, such as income, education, access to healthcare, gender, race, and social status, and we are deeply aware of its detrimental impact on social cohesion, economic growth, and overall well-being.

MRIIRS stands as a beacon of knowledge, innovation, and progress, and we recognize our responsibility to actively work towards reducing inequality. We pledge to uphold the following principles:

1. **Equity in Education:** We commit to providing equal opportunities for all, irrespective of their socio-economic backgrounds, to access quality education, ensuring that no one is left behind
2. **Inclusive Campus:** We strive to create an inclusive and diverse campus environment where individuals from all backgrounds feel welcomed, valued, and supported.
3. **Accessible Healthcare:** We are dedicated to promoting access to healthcare services and facilities for all members of our community, emphasizing the importance of good health for social development.
4. **Gender Equality:** We champion the rights and opportunities of all genders, working towards eliminating gender-based discrimination and promoting equal participation in all spheres of life.
5. **Social and Economic Inclusion:** We are committed to actively promoting economic opportunities, social inclusion, and employment opportunities for marginalized and disadvantaged groups within our community.
6. **Global Partnerships:** We acknowledge that addressing inequality is a global challenge. We will collaborate with partners, organizations, and governments, both locally and internationally, to advance our commitment to reduce inequality.

MRIIRS EDI Policy strongly adhere to integral components such as anti-discrimination and anti-harassment. The policy promotes an environment of respect and fairness for all members of our community, irrespective of their background, identity, or affiliation.

We firmly denounce any form of discrimination or harassment, based on race, gender, religion, sexual orientation, or any other characteristic. Our institution is dedicated to upholding the principles of equal opportunity, providing a safe and inclusive atmosphere where all individuals can thrive, contribute, and learn without fear of bias or mistreatment. Through proactive measures, awareness campaigns, and clear reporting mechanisms, MRIIRS strives to create a campus that is truly diverse, equitable, and free from all forms of discrimination and harassment.

Manav Rachna International Institute of Research and Studies (MRIIRS) has dedicated Disability Support Office to cater an inclusive and accessible educational environment for students with disabilities. Committed to ensuring that all students have equal opportunities to excel, the office provides a range of support services, including academic accommodations, assistive technology, and personalized assistance to meet the unique needs of each individual. Their mission is to empower students with disabilities to thrive academically and socially, promoting diversity and inclusivity throughout the MRIIRS campus.

At MRIIRS, human assistance is readily available in all our campus blocks, ensuring that anyone who requires information or assistance can easily access it. We are committed to fostering an inclusive environment where diversity is celebrated, and everyone has the opportunity to thrive. Students with learning disabilities may struggle to acquire knowledge through traditional teaching learning methodologies. MRIIRS understands their need of special attention and provides required support through counselling sessions in the Human Lab, in terms of remedial classes, bridge courses, mentor-mentee counselling sessions, Yoga Sessions etc. These facilities provide equitable opportunities and support to ensure that individuals with disabilities can participate fully in various aspects of life, including education, employment, and community engagement. These schemes often involve mentoring and targeted support programmes to empower individuals with disabilities.



MRIIRS assigns utmost priority to gender equity and its sensitization as a critical dimension to its overall philosophy and societal approach. MRIIRS has its dedicated Gender Sensitizing Cell, that regularly holds discussions and lectures for awareness on gender issues and policies. It is a well accepted fact that the social order of our society is patriarchal in nature. University believes in the creation of a barrier-free, inclusive environment that is right based, values diversity, is free from unlawful discrimination or harassment and ensures equality of opportunity, dignity and respect for all irrespective, of his or her disabilities / disadvantage / special needs and challenges. The University is committed to extend all the necessary facilities to make the campus barrier free and accessible for Specially abled students. All the details shall be made available in the form Guide/Handbook for Specially abled Students.

Manav Rachna holds the responsibility to demonstrate inclusivity among students, employees and staff by providing an opportunity to display and share their own culture by enhancing representation of all communities. The university is committed to treat everyone fairly and allowing the same opportunities to all regardless of gender, race, religion, sexual orientation, culture or background.

10.4.11 MRIIRS Commitment to SDG 11 (Sustainable Cities and Communities)

Manav Rachna International Institute of Research and Studies is dedicated to support Sustainable Development Goal 11, which aims to make cities and human settlements inclusive, safe, resilient, and sustainable. MRIIRS works tirelessly to create an environment where students and researchers can address urbanization challenges, promote sustainable infrastructure, and foster innovation in urban planning. By offering programs in architecture, urban and regional planning, and environmental science, and by engaging in community outreach initiatives, MRIIRS contributes to the development of smart and sustainable cities, ultimately striving to enhance the quality of life for current and future generations.

MRIIRS have well established Departments in Civil Engineering and Design that actively contribute to the fulfilment of Sustainable Cities and Communities. These programs are designed to empower students with the knowledge, skills, and values needed to create resilient and inclusive urban spaces. MRIIRS actively engages in a range of initiatives aimed at promoting sustainable urban living. The institution prioritizes projects that focus on urban planning, infrastructure development, and resource management. Initiatives are designed to create cities that are environmentally friendly, resilient to challenges, and accessible to all.



The curriculum is designed to equip students with the knowledge and skills needed to address environmental, social, and economic aspects of sustainability in the built environment. Students learn about green building practices, energy-efficient design, materials with reduced environmental impact, and sustainable construction techniques. They are also encouraged to explore innovative solutions that promote resource conservation, resilience, and inclusivity in urban development. The internships and projects included in the curriculum help them to learn through real time applications. Students are also given exposure to gain knowledge through industrial visits, awareness camps, workshops/Trainings and seminars arranged by renowned academicians or Industry Personnel.

As part of SDG 11 recognizes the importance of preserving cultural and natural heritage in cities and human settlements. Protecting historical sites, traditional crafts, and cultural diversity contributes to the identity and character of cities while promoting tourism and economic development. MRIIRS has well established Art Gallery and Museums, to facilitate the students and faculty member. SDG 11 recognizes the importance of preserving cultural and natural heritage in cities and human settlements. Protecting historical sites, traditional crafts, and cultural diversity contributes to the identity and character of cities while promoting tourism and economic development.

- **Short Term Course on Innovative Technologies for Village Development**

The Faculty Development Program (FDP) on "Innovative Technologies for Village Development," conducted from January 30, 2023, to February 03, 2023, was a comprehensive and insightful event aimed at equipping participants with a profound understanding of innovative technologies and their role in fostering rural development. Dr. Amit Goyal, a distinguished Assistant Professor at NITTTR, Chandigarh, led the program. The FDP was organized by the Department of Civil Engineering, MRIIRS, and drew attendees from diverse academic backgrounds.



- **Quiz on Clean and Green Environment**

The objective of "Quiz Competition" is to develop a keen understanding among students on "Clean and Green Environment". A clean environment ensures the elimination of harmful substances that can cause diseases and ecological imbalance. Green environment, on the other hand, play a significant role in absorbing carbon dioxide, reducing heat and providing habitats for various species. It was aimed to promote appreciable knowledge among budding professionals through Quiz competition.

- **Awareness programme on road safety**

According to the Statistics, on average, annually about 1, 50, 000 people perish due to road accidents in India. Students Welfare consistently supports and organizes events related to Road Safety for inculcating a sense of responsibility among the students in the matters related to Road Safety. In an attempt to continue the same, Manav Rachna International Institute of Research and Studies organised an Awareness Drive on Road Safety in collaboration with the Ministry of Road Transport and Highways, Office of Deputy Commissioner of Police Traffic, Charan Sparsh Foundation and Dr. O.P Bhalla Foundation on 11.05.23.



- **Awareness Program on Managing Sustainable Commuting**

The Awareness Program on Managing Sustainable Commuting was held on 6th September 2023 for MBA First year students of Batch 2023-25. The resource person for the session was Dr. Nitin Kumar Waghmare, Assistant Professor, Automobile Engineering, School of Engineering and Technology. He sensitized the students towards the need for a holistic and balanced approach for achieving Environmentally Sustainable Transport. Adequate, efficient and effective transport systems are important for access to markets, employment, education and basic services critical to poverty alleviation. However, current patterns of transportation development are not sustainable and may compound both environmental and health problems.



- **Rally on Say no to Plastic**

The Department of English, FMeH organized a rally on 'Say No to Plastic' in Manav Rachna Campus. 23 students from B.A.(H) English 3rd semester & 5th semester carried the placards with messages on 'safe' environment and conducted a rally throughout the Campus. They were accompanied by Dr. Tripti Tyagi, Assistant Professor. The students raised slogans "Say No to Plastics" and "Refuse Reuse –Recycle Plastic" with an echo of determination and motive to reduce the use of plastic. They also pledged that they would use a minimal amount of plastic to sustain the environment.



The institution's commitment to SDG 11 signifies its dedication to fostering sustainable cities and communities that prioritize inclusivity, safety, resilience, and sustainability. MRIIRS continues to champion efforts that contribute to building cities and communities that are environmentally conscious and inclusive for all.

10.4.12 MRIIRS' Commitment to SDG 12 (Responsible Consumption and Production)

Manav Rachna International Institute of Research and Studies has implemented various tactics and programs to ensure the efficient utilization of existing resources. This includes the establishment of a policy for the safe disposal of e-waste to handle hazardous materials appropriately. Additionally, the institution is committed to a zero-plastic policy and encourages its staff and students to collect used plastic items at their homes and deposit them at the University for proper disposal.

- Manav Rachna International Institute of Research and Studies (MRIIRS) has established a significant tie-up with Koscove E-waste Pvt. Ltd. to address the pressing global concern of disposal of electronic waste, aligning with Sustainable Development Goal 12 (SDG 12) - Responsible Consumption and Production. This collaboration exemplifies MRIIRS's dedication to promoting sustainable practices and reducing the environmental impact of e-waste.
- Awareness Session on Minimization of Plastic Disposable: To spread awareness amongst the students and faculty members about Responsible Consumption and Production (Sustainable Development Goal- SDG12) and minimize the usage of Plastic Disposables in food outlets around the campus, an awareness session on minimization of plastic Disposables was organised by the Faculty of Hotel Management. Student champions have visited all the food outlets and restaurants inside the campus and imparted awareness among them about minimising the usage of plastic disposable for food dispensing, also the students have pasted the slogans and visuals aiming at reducing usage of plastic disposables outside the seating areas of these food joints.



Manav Rachna International Institute of Research and Studies actively conducts various activities /Awareness sessions on Responsible Consumption and Production. Our commitment revolves around promoting responsible and sustainable patterns of consumption and production.

10.4.13 MRIIRS Commitment to SDG 13 (Climate Action)

Dedication for society and environmental sustainability are integrated into the mission and vision of the Manav Rachna International Institute of Research & Studies. MRIIRS seeks to empower youth to be at the forefront of this mission of environmental protection. Army of Green warriors is being raised in Manav Rachna who would be spearheading this movement to spread the message of saving environment and attaining carbon neutrality to masses. In order to make our campus carbon-neutral, green and to make students environmentally conscious citizen, we need to initiate the change from ourselves. Youth is the torch bearer to make changes in society. We, at Manav Rachna believe in youth. To increase the outreach for creating an environment that fosters environmental sustainability, Manav Rachna envisages engagement of youth as GREEN WARRIORS. This is also an attempt to divert youth in productive, creative problem solving to make them true leaders of future India.

- **World Nature Conservation Day**

MRIIR celebrates the World Nature Conservation Day, on July 28th annually. It is a global initiative dedicated to raising awareness about the importance of protecting our natural environment. On this day, people around the world come together to celebrate and promote conservation efforts. Activities include tree planting, wildlife protection campaigns, and educational programs. It serves as a reminder of our responsibility to preserve Earth's biodiversity and safeguard our planet for future generations, fostering a deeper connection between humanity and nature.



- **Green Ghar Plastic Drive**

MRIIRS organizes Green Ghar Plastic Drive with its primary goal of collecting recyclable plastic materials from our community, which will be utilized to develop eco-friendly benches for public spaces in our neighborhood. By participating in this drive, you not only contribute to reducing plastic waste but also actively support the creation of sustainable seating areas for everyone to enjoy.



Following are the broad plan/strategy statements of MRIIRS to achieve NET ZERO in the coming years:

- Progressive reduction in the amount of energy sourced from HSEB (Haryana State Electricity Board) by increasing installation of solar energy panels.
- DG sets to be converted/replaced with NG/Green Hydrogen in phased manner
- Strategize to reduce the congestion at entry and exit points to the campus
- Reduction in food waste generation
- Reducing paper consumption by technological interventions
- Generated biogas to be used in kitchen
- Re-evaluation of GHG emission inventory
- Exploring options for increasing the renewable sources of energy (solar etc) at campus
- Promoting pool transport amongst the stakeholders
- Promotion and procurement of biodegradable/recyclable products/materials
- Increase in natural light through technological intervention.
- Training of stakeholders for using eco-friendly products and reducing plastic waste generation.
- Promoting donation/reuse of unused items frequently.
- Sensitizing stakeholders for using local and in-season fruits and vegetables.
- Organizing health check-up for faculty and staff members. Encouraging faculty and staff members to register for organ and tissue donation.
- Organizing old book donation drives in campus and sending these to under privileged children of villages in adjoining areas.
- Organizing sensitising sessions to be vocal for local.
- Extending support in organizing campaigns for collection of relief material for combating disasters the country experiences from time to time.

This endeavor aims to prepare the youth of the nation to develop into leaders who will contribute in bringing progress to society through such actions and initiatives that promote Sustainability in the area of their chosen career.

10.4.14 MRIIRS Commitment to SDG 14 (Life below Water)

MRIIRS actively engages in educational and awareness programs, enlightening communities about the significance of ocean conservation. By fostering partnerships and collaborations with local communities, governmental bodies, and international organizations, MRIIR works collectively to implement measures that ensure the responsible use and protection of marine environments.

The institute exemplifies its dedication through practical applications and solutions. Their innovative technologies and projects done students aim to reduce marine pollution, and mitigate the adverse effects of human activities on the oceans.

MRIIRS is having in place green policy for campus that incorporates policy for reuse and recycle of water and is revised time to time. The Water Conservation and Management Section of the Green Policy that highlights the emphasis on water recycling and water re-usage is reiterated as follows:

"MRIIRS realizes that water is a valuable resource and all possible measures should be taken for its conservation. There should be discipline on water usage, and consumption of water should be economized. Water is to be recycled and reused as much as possible aiming towards zero discharge. Drought tolerant plants should be preferred as far as possible in plant landscaping to minimize the water use.

MRIIRS generates monthly Av 297.8kL water through STP (3574 kL per Annum) which is 7.71 kL/day. This reclaimed water is used for horticulture and toilet flushing. It not only saves precious groundwater but also reduce energy consumption in extracting groundwater from aquifer. So, as it helps in conserving groundwater resource. Thus, recycling of water is reducing carbon foot print of the campus. MRIIRS has also installed rain water harvesting system in the campus.

- **Pledge on Water Conservation**

To spread awareness amongst the students and faculty members about Water Conservation (Sustainable Development Goal- SDG6) and motivate all towards commitment to the cause and also to inculcate Water Conservation practices in our day-to-day life, a pledge taking ceremony on Water Conservation was organised by Department of Computer Science and Engineering, School of Engineering and Technology, ManavRachna International Institute of Research and Studies (MRIIRS) on August 23, 2023.



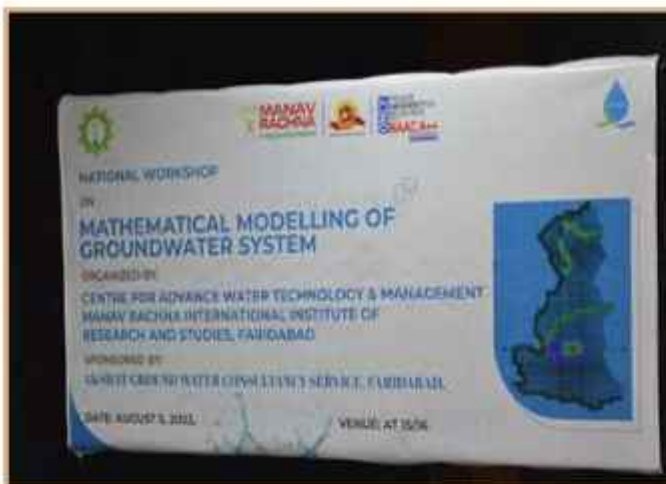
- **Workshop on Water and Life 1.0**

MRIIRS organized a comprehensive one week workshop on Water and Life 1.0 from July 24 to July 28, 2023. The workshop aimed to enlighten participants about the significance of water conservation, promote awareness about clean water and sanitation practices, and introduce the concept of a Water Audit for better water management.



- **Mathematical Modelling' on Groundwater System**

A workshop on 'Mathematical Modelling' on Groundwater System was organized by MRIIRS on 5th August, 2023. Water research experts from all over India including Scientists, Academicians, Professionals and Researchers from CGWB, IIT Delhi, Delhi University, IWMI, Civil Engineering Dept. MRIIRS, various consulting organizations like Akshat Ground Water Consultancy Service, Faridabad, NWIC, New Delhi, Floodkon, Noida etc. connected together through the workshop to discuss the recent innovations in the field of Groundwater System.



- **International Water Summit**

A one-day International Water Summit on the theme of Water Security in India - Challenges & Prospects was organized by MRIIRS on 24th February 2023. Water research experts from all over India connected together through the summit to discuss the water security issues in India and of the world and to spread awareness about the importance of sustainable water management in present days scenario.



Through the holistic approach, which integrates research, education, and practical solutions, MRIIRS is committed to contribute significantly to the global effort of ensuring the sustainable management of Life below Water.

10.4.15 MRIIRS' Commitment to SDG 15 (Life on Land)

MRIIRS is committed to advancing Sustainable Development Goal 15 -Life on Land. Recognizing the importance of preserving terrestrial ecosystems, MRIIRS actively engages in education, research, and community outreach initiatives to address the challenges posed by land degradation, deforestation, and biodiversity loss. Through academic programs, awareness campaigns, and sustainable land management practices, MRIIRS strives to promote responsible land use, reforestation, and the conservation of biodiversity, thereby contributing to a healthier and more sustainable planet for current and future generations.

The goal encourages students to explore the intricate relationships between terrestrial ecosystems and human society, emphasizing the need for responsible land use, biodiversity conservation, and reforestation efforts. By integrating SDG 15 into the curriculum in the form Core and elective Courses such as Environmental studies, Green energy sources, Disaster Management etc, MRIIRS is committed to equip its students with the knowledge and skills to address pressing environmental challenges, instilling a sense of responsibility and ethical stewardship for the planet. Engaging in practical projects, field studies, and awareness campaigns leads to empowerment of students to take active roles in preserving the Earth's terrestrial life, thereby contributing to a more sustainable and ecologically balanced future.

Faculty members and students' scholarly contributions encompass a wide range of topics, including land restoration, ecosystem preservation, wildlife conservation, and sustainable forestry practices. Through their research publications and projects undertaken, MRIIRS

faculty members and students aim to provide valuable insights and practical solutions for the sustainable management of terrestrial ecosystems.

MRIRS hosts various awareness camps, seminars and workshops featuring experts in biodiversity conservation and sustainable land management. These events provide students with insights into current conservation strategies and the opportunity to engage with professionals in the field.

- **World Soil Day**

World Soil Day is celebrated every year at MRIIRS. It promotes soil health awareness, emphasizing its significance for agriculture, biodiversity, and climate change mitigation. This day encourages responsible land management and urges global efforts to safeguard and restore this precious natural resource for future generations.

- **World Environment Day**

World Environment Day is an occasion to promote awareness concerning Environmental issues and promote actions for Preservation and Conservation of Environment. Working in the same direction, Students Welfare planned events on World Environment Day to engage Students and Faculty Members in meaningful conversation revolving around Mother Earth.

Students Welfare took an initiative to ensure Students and Faculty Members pledge to consume only Raw Food for a day. The step was taken to disseminate information about the energy and resources that are used for manufacturing, processing and transportation of processed food. This initiative ensured a more conscious and mindful approach towards food consumption.

- **Workshops on Environmental Consciousness: Transforming Educational Institutions into "Green Campuses"**

Manav Rachna International Institute of Research and Studies under Manav Rachna Life Skills Program organised workshops related to Environmental Consciousness: Transforming Educational Institutions into "Green Campuses" (Haryana Region) under the aegis of Paryavaran Sanrakshan Gavividhi where students from all over Haryana region participated.



- **One Tree for Nation -Pledge**

On the occasion of National Youth Day, the Department of Students Welfare, under the aegis of Paryavaran Sanrakshan Gatividhi, announced the initiative "One Tree for Nation" from Sowing to Growing. The announcement was made on the occasion of National Youth Day to encourage the younger generation to actively participate in the initiative taken by the University and to disseminate the message regarding conservation of the environment. All the students, faculty members, and dignitaries every year take pledge enthusiastically from Sowing to Growing by sowing at least 10 seeds and nurturing the plant till it grows into a tree. The students are encouraged to contribute significantly for making the mother Earth cleaner and greener and being a part of this noble cause.

The Department of Students Welfare urges everyone to join hands together for EK PED DESH KE NAAM and Conserve, Preserve and Contribute towards the Environment.

- **Green belting for a green earth**

Students from NSS unit, Eco-Club "Idhika" of MRIIRS under the Unnat Bharat Abhiyaan, Flagship Programme of Ministry of Education, Government of India participate in the Plantation Drive under the aegis of Dr. O.P Bhalla Foundation.

The plantation drive is conducted with the purpose of Green Belting the area in the vicinity of MRIIRS. This initiative sought to enhance the ecological balance of the region, mitigate the effects of pollution, and foster a healthier environment for both wildlife and humans alike. Through the concerted efforts of everyone the green belting project aims to create a sustainable and visually appealing landscape, enriching the surroundings and leaving a lasting positive impact on the ecosystem.

Our Green policy ensures the proper recycling and management of electronic and plastic materials, reducing their environmental impact. Through these initiatives, we aim to protect terrestrial ecosystems, in line with SDG 15, and promote a cleaner, more sustainable future.



10.4.16 MRIIRS Commitment to SDG 16 (Peace, Justice, and Strong Institutions)

MRIIRS is dedicated to advancing Sustainable Development Goal 16– "Peace, Justice, and Strong Institutions." We believe that education plays a vital role in nurturing the values of peace, justice, and effective governance. Our commitment extends to fostering a culture of ethics, accountability, and inclusivity within our institution, thereby contributing to the broader goal of building strong societies. Through our academic programs, research, and community engagement, MRIIRS strives to empower individuals with the knowledge and skills needed to promote peaceful coexistence and ensure equitable access to justice, reinforcing our commitment to SDG 16.

- **Student Council at MRIIRS**

MRIIRS believes in maintaining transparency and democracy in the system for welfare of its students as a paramount priority. A functioning Student Council exists at MRIIRS with the goal of promoting leadership, cultural values, and camaraderie. The Council also seeks to mentor students in becoming responsible and contributing citizens of society, as well as to support the University's educational and administrative goals in order to enhance and address various aspects of the entire spectrum of student aspirations.

- **Stakeholder Engagement in Various Committees at MRIIRS**

MRIIRS is proud to be a community-driven institution. In our commitment to transparency, inclusivity, and the pursuit of excellence, we actively involve stakeholders in our decision-making processes. This includes local residents, local government officials, and civil society representatives who actively participate in various committees such as the Board of Studies (BOS), Academic Council, and the Internal Quality Assurance Cell (IQAC). Stakeholder engagement encompasses a diverse group of participants, including academicians, industry professionals or employers, parents and alumni. These stakeholders play active roles in curriculum development and provide valuable input through feedback committees that focus on both academic programs and life at campus.

- **Nurturing Academic Freedom at MRIIRS**

In today's ever-evolving educational landscape, academic freedom remains a cornerstone of higher education institutions. Nurturing academic freedom at MRIIRS is a fundamental principle that ensures a vibrant and intellectually stimulating environment for students, faculty, and researchers. University has also strived for meeting the growing expectations of all stakeholders viz; students, parents, alumni, faculty members and employers in tune with the ever-changing demands of workplace.

* **Student Centric Teaching-Learning Methodologies**

All teaching departments at MRIIRS work towards developing knowledge and skills through experience and participation instead of explaining knowledge/skill, to produce students who are good critical thinkers and problem solvers. Departments incorporate student centric learning methodologies which involves students as active learners and helps them to evolve as critical thinkers and problem solvers instead of being a passive learner.

* **ICT integration in Teaching and learning**

The university campus is equipped with all the latest ICT amenities for the benefits of the students and faculty members. Use of ICT tools and e-resources is ensured to promote blended teaching and learning by all the departments.

- ICT tools like projectors, virtual classrooms, supplementary audio-video and e-resources are incorporated into teaching and learning.
- Teachers improvise e-learning resources like National Program on Technology
- Offering of MOOCs through SWAYAM/Coursera/edx, spoken tutorials, virtual labs etc in teaching learning methodologies while promoting blended learning.

* **Flexibility in Curriculum (CBCS)**

The curricula of all the programmes follows the credit-based system that accelerates the teaching learning process and enables vertical and horizontal mobility in learning. A good amount of flexibility has been given in the form of elective courses to be opt by the students in each programme by following the choice based credit system which provides a 'cafeteria' type approach in which the students can take courses of their choice, learn at their own pace, undergo additional courses and acquire more than the required credits, and adopt an interdisciplinary approach to learning.

* **Provision of Massive Online Open Courses (MOOCs)**

As per the UGC (Credit Framework for Online Learning Courses through SWAYAM) Regulation, 2016. New Delhi, dt. 19th July, 2016, and consequently provisions incorporated in the (MRIIRS) University Ordinance No. 3 "Conduct and Evaluation of Examinations and Programmes leading to all Bachelor's / Master Degree following semester system", the University allows up to 30% of the total courses being offered in a particular program through the online learning courses provided through SWAYAM and other identified MOOCs platforms. Massive Open Online Courses (MOOCs) can be opted by the student under any programme either as Credit Transfer Course under the basket of Open Elective or as Value-Added Course.

List of Prominent Activities being conducted at MRIIRS (SDG 16)

- Regular FDPs on Curriculum Development in light of NEP-2020 in HEI and its implementation
- CYBER JAKROOKTA: A programme on Legal Awareness and Cyber Crime
- Radio Non-Stop Show on Sustainability
- Observance of Vigilance Awareness Week
- International Youth Day
- Observance of National Voter's Day
- Anti Ragging Documentary Presentation during Anti-Ragging Week
- Final Round of New India Debates
- Observance of National Unity Day
- Awareness session on Green Environment and Say No to Plastic

10.4.17 MRIIRS Commitment to SDG 17 (Partnerships for the goals)

A salient statement in the Vision and Mission of MRIIRS has been to train its students in the backdrop of Indian ethos and values to enable their transformation into insightful, honorable, and responsible citizens of India, who work and dedicate themselves for the advancement of humanity. Since its inception, MRIIRS has rendered extension services to the people of Faridabad District and adjoining areas, which has brought about seminal changes on many fronts. With a great emphasis on the values of humility and gratitude, the students and faculty members have taken up the cudgels for societal upliftment of the general population of Faridabad district and contiguous areas through its ISR initiatives.

The ISR arm of MRIIRS, Dr O P Bhalla Foundation, operates with the objectives to carry forward philanthropic and development activities in various fields like education, sustainable development, environment protection, women empowerment and gender equality, health and wellbeing, geriatric health care, empowering weaker sections of society and reviving our rich cultural heritage. Serving the nation through efforts in inclusive growth, societal development, and diversity conservation, the students, and staff of MRIIRS have endeavored with great alacrity and commitment.

University has initiated a wide range of activities to promote awareness and engagement with Sustainable Development Goals (SDGs). These initiatives encompass wellness camps, workshops, expert talks, alumni meetings, conferences, dialogues, forums, webinars, extension activities, capacity building programs, pledges, and various projects. The outreach and educational campaigns, workshops, webinars, and expert talks are primarily focused on addressing SDGs 2 (Zero Hunger), 3 (Health and Well-Being), 4 (Quality Education), 5 (Gender Equality), 6 (Clean Water and Sanitation), 9 (Industry, Innovation, and Infrastructure),

10 (Reduced Inequality), 11 (Sustainable Cities and Communities), 12 (Sustainable Production and Consumption), and 15 (Life on Land). In addition to these SDGs, the university foundation is also actively involved in addressing issues related to elderly care, waste management, health and hygiene, and promoting quality education.

University has created partnerships with the state and national government, regional non-government organizations with the aim of addressing the objectives of SDG Challenges and Policy Making, and its grass root monitoring evaluation and reporting through local level interventions for enabling adaptive management practices pertaining to SDGs. University is working on water security management, water governance, conservation and other associated SDGs related Clean Water and Sanitation (SDG6). Other projects on Water Research, Good Health and Well Being, Sustainable Farming, Ek Muthi Daan (No one Sleeps Hungry), Gender Equity etc. have been indicated in the evidences and all initiatives taken by the university are also publicly available on our website. Additionally, as a part of the activities of the MRIIRS Centre for Sustainable Development, tie ups with NGOs, Social Engagements, Extension Activities and Outreach Programs have been conducted focusing on SDG 1, 2, 3, 5, 6,7,8,9,10 11, 12, 13,14,15 and 16.

To evidence the same MRIIRS has awarded for the longest nonstop live radio show on sustainability was set by Radio Manav Rachna 107.8 FM at the Manav Rachna Educational Institutions, Faridabad, where in 5 RJs conducted the 150 hours show. Radio Manav Rachna 107.8 FM has set a remarkable milestone in the world of community radio. The radio station is spreading happiness with its new records and milestone achievements. It recently celebrated its 15th Foundation Day with the announcement of the longest non-stop live radio show on sustainability that got recognition from the Asia Book of Records and the India Book of Records. The 150-hour live programming showcased the station's commitment to delivering exceptional programmes and engagement with the community.



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