



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

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

**ANNUAL REPORT  
2021-22**



## “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**  
Chancellor, MREI

## From the President's Desk

More than two decades ago, MREI 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.

MREI 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 Prashant Bhalla**  
(Chancellor)

## **Dr. Amit Bhalla**

**Vice President, MREI**



### **From the Vice-President's Desk**

It gives me immense pleasure to present the Annual Report for the year 2021-22 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 four 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.

**Dr Amit Bhalla**  
**Vice President**





**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 2021-22, 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 multi disciplinary, 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 multi disciplinary 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.

**Prof. (Dr.) Sanjay Srivastava**  
Vice Chancellor

## **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.) Naresh Grover

### **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.) Nand Lal Dhameja upto 19.01.2022

Prof. (Dr.) Rakesh Kumar Anand w.e.f 20.01.2022

### **FACULTY OF COMPUTER APPLICATIONS**

Prof. (Dr.) Pardeep Kumar upto 14.11.2021

Prof. (Dr.) Usha Batra w.e.f. 15.11.2021

### **FACULTY OF MEDIA STUDIES & HUMANITIES**

Prof. (Dr.) Maithili Ganjoo

### **FACULTY OF ARCHITECTURE & DESIGN**

w.e

Prof. (Dr.) Pardeep Kumar

### **FACULTY OF HOTEL MANAGEMENT**

Prof. (Dr.) Rakesh Kumar Anand w.e.f 20.01.2022

### **FACULTY OF COMMERCE & BUSINESS STUDIES**

Prof. (Dr.) Monika Goel

### **FACULTY OF BEHAVIOURAL & SOCIAL SCIENCE**

Prof. (Dr.) Chavi Bhargava Sharma upto 13.10.2021

Prof. (Dr.) Naresh Grover w.e.f 28.10.2021

### **FACULTY OF DENTAL SCIENCES**

Dr. Arundeep Singh

## 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, Govt. 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 all quality processes very ingeniously and as a result it has been accredited with 'A' Grade by National Assessment and Accreditation Council (NAAC) in October 2015 for 5 years from 16th November 2015 and now is in a process of 2nd Cycle of NAAC. The four UG engineering programmes namely B. Tech in Computer Science and Engineering, Electronics & Communication Engineering, Mechanical Engineering and Biotechnology and MBA programme have been accredited by the National Board of Accreditation (NBA) in the year 2022 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 the year 2020. The UGC vide letter No. F.No. 22-1/2019(CPP-1/DU) dated 10th June 2020 has granted 12B Status to MRIIRS.

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 2021-22, 54 programmes 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 accumulated 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 which makes learning a joyful experience. A well-entrenched Internal Quality Assurance Cell (IQAC) has led to many quality-enhancing initiatives in the University. We believe that teaching-learning and evaluation form the bedrock of any educational programme. To lend cutting edge to our 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 have been engaged with a large number of MOOCs so as to enrich and broaden their knowledge-base. The emphasis is on imparting 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. From time to time a large number of conferences, seminars, colloquiums, and expert talks are organized to enable students to transcend far beyond the classroom teaching.

### **One District - One Champion award for the Best practices in Swachhta**

Manav Rachna International Institute of Research and Studies is awarded the 'One District One Champion' award for the Best practices in Swachhta. The award is being honored by the Mahatma Gandhi National Council for Rural Education, Department of Higher Education, Ministry of Education in the august presence of Sh. Yashpal, Deputy Commissioner Faridabad on July 26, 2021.

### **Rashtriya Khel Protsahan Puraskar 2021**

The prestigious Rashtriya Khel Protsahan Puraskar 2021 has been conferred upon MRIIRS for Identification and Nurturing of Budding and Young Talent by the honourable President of India. Dr. Prashant Bhalla, President, Manav Rachna Educational Institutions (MREI); and Dr. Amit Bhalla, Vice President, MREI received the honour.





## **Dronacharya Award 2021-Life Time in Cricket**

Very Proud Movement to Manav Rachna Sh. Sarkar Talwar, Director Sports, Manav Rachna Educational Institutions has been confirmed with the Life Time Dronacharya award 2021 by honourable President of India Sh. Ram Nath Kovind dated 13th November 2021.

Our faculty members at Manav Rachna strive to set the right precedents for their dear students and lay huge emphasis on enhancing themselves in addition to their routine classroom teaching.

- More than 900 FDP, MOOC certifications and Conference certifications have been acclaimed by the faculty members during the Annual Year 2021-22.
- Manav Rachna International Institute of Research & Studies was granted approval by AICTE to conduct FDPs under ATAL scheme with a grant of 93000 INR for each:
- Department of Civil Engineering: FDP on Contemporary Advances in Sustainable and Integrated Infrastructure.
- Department of Mechanical Engineering: FDP on Design Thinking for Manufacturing Excellence.
- Department of CSE: FDP on Industry 4.0: Digitization, Sensorization & Optimization.
- Department of EEE: FDP on Robotics and Artificial Intelligence.
- AICTE has also accorded the approval of 93000 INR to the Department of Business Studies to conduct FDP on Developing Case Studies.
- Faculty of Engineering and Technology: Proposal submitted by Dr. Leena G (Professor EEE) for MODROB-Modernization and Removal of Obsolescence in the Laboratories got approved successfully by AICTE for sanctioning a Grant of 20 Lacs.
- Faculty of Engineering and Technology: The Department of Science and Technology (DST) has granted a substantial funding of 70 Lacs to Dr. Arunangshu Mukherjee (Professor, Department of Civil Engineering) for the Research project titled Co-solving Water Logging and Ground Water Depletion Issue in parts of Faridabad Smart City using Underground Taming of flood water for Aquifer Storage and Recovery
- Faculty of Social And Behavioral Sciences: Dr. Anandajit Goswami, Dr. Amit Seth, and Dr. Anika Magan have been awarded a significant research grant of 10 Lacs by Indian Council of Social Science Research (ICSSR) to undertake a research project with the title "Socio-Demographic, Entrepreneurial, and Policy Implications."
- Faculty of Media Studies and Humanities: Indian Council of Social Science Research (ICSSR) has provided a research grant of 2.30 Lacs to Dr. Shivani Vashist (Professor, English) for Minor Research Project-An Exploratory Study of Ashapurna Devi and Suchitra Bhattacharya: Narratives of Resistance and Re-Assertion.
- As per the mandate of AICTE, faculty members enrolled themselves for FDP on Universal Human Values and successfully completed their training programmes.

Some of the noteworthy achievements of Students that kept the MRIIRS flag flying high this year:

- Master Anish Bhanwala MRIIRS Students of BBA, Won Gold Medal in 25 Mtr Rapid Fire Pistol Team event & Bronze medal in 25 Mtr. Rapid Fire Mixed Team Event from 27.09.21 to 10.10.21 in ISSF Junior Shooting World Cup 2021 at Limaperu



- MRIIRS Students Master Anish Bhanwala Won Gold Medal in Rapid Fire Individual Shooting events. Master Sanskar Havelia got 8th Position in (50 Mtr. 3 P) All India Shooting Championship 2022.
- Three Students of MRIIRS, Master Anish Bhanwala (25 Mtr. Rapid Fire Pistol ), Sanskar Havelia (50 Mtr. 3 P), and Shapath Bhardwaj (Trap) selected for Khelo India University games held from 23rd April 2022 to 2nd May 2022. MRIIRS Students Master Anish Bhanwala won Silver Medal for 25mtr Rapid Fire Pistol Competition.
- Amiti Mahajan won Silver medal in Kick Light Category & Bronze medal in Point Fight Category in 2nd Wako Indian Open International KickBoxing Tournament 2022.
- Project 'Li-Koff' by Biotechnology students won First Prize at Anveshan 2021-2022. Two students- Somya Sharma, Abhilash Pandey, B.Tech Biotechnology participated in the National Student Research Convention "Anveshan" organized by the Association of Indian Universities (AIU) in association with the Academy of Maritime Education and Training (AMET) University in Chennai recently. 285 students from 45 universities of India participated in this convention.
- B.Sc-FST ,2nd Sem. students won 1st prize Choco-Re-Capture competition organised by Institute of Home Economics Delhi University



## NIRF Ranking 2022:

The Union Education Minister Sh. Dharmendra Pradhan released the sixth edition of the **National Institute of Ranking Framework (NIRF) ranking 2022** through a LIVE webcast.

It is a matter of great pride that the Manav Rachna International Institute of Research and Studies (MRIIRS) has taken a leap in this year's rankings across Engineering and University categories. This is a very significant achievement considering over 6000 institutions participated in the ranking this year. Manav Rachna has secured top positions among Government, IITs, NITs, and Private Institutions of the country.

In Engineering, MRIIRS is ranked at No. 105 across India. MRIIRS has been ranked in the University category in the Rank Band 101-150.



## **“Outstanding Contribution in Online Education and Pedagogy 2021” Award, awarded to MRIIRS**

'Outstanding Contribution in Online Education and Pedagogy 2021' Award has been awarded to Manav Rachna International Institute of Research and Studies during the New Normal Education Leadership Awards and Summit 2021. Sh. R.K. Arora, Registrar, MRIIRS received the award.

This award highlights the efforts put in to make the virtual Manav Rachna education arena a successful attempt.

Vice-Chancellor is a head 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, Finance Committee, Planning and Monitoring Board, IQAC, Grievances Redressal Committee are regularly held for long-term and short-term planning 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.



## 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:**

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 54 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 2021-22:

### **Faculty of Engineering & Technology (FET)**

#### **B. Tech & B.Sc. (4 yrs.)**

1. Biotechnology
2. Civil Engineering
3. Computer Science & Engineering
4. B.Tech-Computer Science Engineering –Digital Forensics Cyber Security
5. B.Tech-Computer Science Engineering –Gaming Technology
6. Electrical and Electronics Engineering
7. Electronics and Communication Engineering
8. Mechanical Engineering
9. B.Sc. Microbiology

#### **M. Tech & M.Sc. Programmes (2 yrs.)**

1. M. Tech. Biotechnology
2. M. Tech. Mechanical Engineering
3. M. Tech. Electronics and Communication Engineering
4. M. Tech. Computer Engineering and Networking
5. M. Tech. Automation and Robotics
6. M. Tech. Civil Engineering
7. M. Sc. Biotechnology
8. M. Sc. Microbiology



### **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.)

### **Faculty of Hotel Management**

1. B.Sc. – Hospitality and Hotel Administration (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 – (Journalism and Mass Communication) - (3 yrs.)
2. Master of Arts – (Journalism and Mass Communication) - (2 yrs.)
3. Bachelor of Arts (Hons) – English - (3 yrs.)
4. Master of Arts English- (2yrs.)

### **Faculty of Architecture & Design (FAD)**

1. Bachelor of Architecture (B. Arch.) (5 yrs.)
2. B.Sc. Interior Design (3 yrs.)
3. Bachelor of Design (B. Design) - (4 yrs.)

### **Faculty of Commerce & Business Studies (FCBS)**

1. Bachelor of Business Administration (BBA) - General (3 yrs.)
2. Bachelor of Business Administration- International Business (Global) - (3 yrs.)
3. Bachelor of Business Administration -Banking & Financial Markets - (3 yrs.)
4. Bachelor of Business Administration –Digital Marketing - (3 yrs.)
5. Bachelor of Commerce (B.Com) Hons - (3 yrs.)
6. 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 Public 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 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.

## CHAPTER -2

### AUTHORITIES OF THE UNIVERSITY

#### 2.1 BOARD OF MANAGEMENT

**Ex-Officio Member**

Dr. Sanjay Srivastava

Vice-Chancellor

Chairman

**Pro Vice Chancellor**

Dr. Naresh Grover

Pro Vice Chancellor

Dr. Pardeep Kumar

Pro Vice Chancellor

Dr. G. L. Khanna

Pro Vice Chancellor

**Other Members:**
**Two Deans of Faculties:**

Dr. Arundeeep Singh

Dean - FDS

Dr. Maithili Ganjoo

Dean - FMeH

**Three eminent academicians nominated by the Chancellor:**

Dr. D.S.Kumar

 Former Professor, PEC, Chandigarh  
 and Director-CITM, Faridabad.

Dr. Anita Choudhary

IAS (Retd)

Dr. N. C. Wadhwa

DG - MREI

**UGC Nominee:**

Vacant

Yet to be nominated by the UGC

**Two Faculty Members (from Professors, Associate Professors):**

Dr. Anupama Rajput

Prof., Dept. of Applied Science, FET upto 24.09.2021

Dr. Suresh Kumar

Prof., Dept. of CSE, FET w.e.f 07.10.2021

Dr. Sunita Virmani Associate

Prof., Dept. of CSE, FET upto 24.09.2021

Dr. Mahak Sharma Associate

Prof., Dept. of N&amp;D, FASHw.e.f 07.10.2021

**Nominees of the Trust:**

Dr. Amit Bhalla

Dr. M.M. Kathuria upto 05.06.2022

Sh. Atul Kalra

Sh. Navdeep Chawla

**CoE, MRIIRS (Permanent Invitee)**

Sh. N. K. Sharma

**Secretary:**

Sh. R. K. Arora

Registrar, MRIIRS



## 2.2 ACADEMIC COUNCIL

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 w.e.f 01.04.2021	
5. Dr. Pardeep Kumar	Dean - FET	
6. Dr. Moattar Raza Rizvi	Dean-FAHS	
7. Dr. Maithili Ganjoo	Dean - FMeH	
8. Dr. Monika Goel	Dean –FCBS upto 31.03.2022	
9. Dr. Monika Goel	Dean –FoC w.e.f 01.04.2022	
10. Dr. Nandlal Dhamija	Dean - FMS upto 19.01.2022	
11. Lt Gen R.K.Anand	Dean-FMS w.e.f 20.01.2022 to 05.12.2022	
12. Dr. Sanjay Srivastava	Dean-FMS w.e.f 06.12.2022 to 14.02.2023	
13. Lt Gen R.K.Anand	Dean-FMS w.e.f 15.02.2022	
14. Dr. Chavi B. Sharma	ED & Dean – FBSS upto 13.10.2021	
15. Dr. Naresh Grover	Dean-FBSS w.e.f 28.10.2021	
16. Col. Sanjeev Kumar	Dean - FAD w.e.f 02.08.2021 to 15.02.2022	
17. Dr. Pardeep Kumar	Dean - FAD w.e.f 16.02.2022	
18. Dr. S. S. Tyagi	Dean – FCA upto 02.09.2021	
19. Dr. Pardeep Kumar	Dean-FCA w.e.f 03.09.2021 to 14.11.2021	
20. Dr. Usha Batra	Dean-FCA w.e.f 15.11.2021	
21. Dr. S. K. Saluja	Dean – FHM upto 20.08.2021	
22. Lt Gen R.K.Anand	Dean-FHM w.e.f 20.01.2022 to 05.12.2022	
23. Dr. Sanjay Srivastava	Dean-FHM w.e.f 06.12.2022 to 14.02.2023	
24. Lt Gen R.K.Anand	Dean-FHM w.e.f 15.12.2022	
25. Dr. Arundeeep Singh	Dean - FDS	
26. Air Cmde. Devender Sharma	HoD, Dept. of Aero, FET upto 30.04.2022	
27. Dr. Devender Vashisht	HoD, Dept. of Aero, FET w.e.f. 05.05.2022	
28. Dr. Devender Vashisht	HoD, Dept. of Auto, FET	
29. Dr. Sunita Bansal	HoD, Dept. of Civil, FET	
30. Dr. Supriya P Panda	HoD, Dept. of CSE, FET	
31. Dr. Tapas Kumar	HoD, Dept. of CSE (IBM), FET	
32. Dr. Leena G	HoD, Dept. of EEE, FET	
33. Dr. Manoj Nayak	HoD, Dept. of ME, FET	
34. Dr. Sarita Sachdeva	HoD, Dept. of Bio-Tech, FET upto 15.03.2022	
35. Dr. Manu Solanki	HoD. Dept. of Bio-Tech, FET w.e.f 16.03.2022	
36. Dr. Jyoti Chawla	HoD, Dept. of Applied Sciences, FET	
37. Dr. Abhiruchi Passi	HoD, Dept. of ECE, FET	
38. Dr. Arunangshu Mukherjee	HoD, Dept. of Earth Sc & Env	
39. Prof. Sanjay Kumar Surya	HoD, Dept. of Arch & Design upto 23.07.2021	
40. Ms. Shruti Jain	HoD, Dept. of Arch & Design w.e.f 08.09.2021	

41. Dr. Mottar Raza Rizvi	HoD, Dept. of Physiotherapy, FAHS upto 08.10.2021
42. Dr. Nitesh Malhotra	HoD, Dept. of Physiotherapy, FAHS w.e.f 09.10.2021
43. Dr. Divya Sanghi	HoD, Dept. of N&D, FAHS
44. Dr. Narender Tanwar	HoD, Dept. of Business Studies, FCBS upto 31.03.2022
45. Dr. Jayander Verma	HoD, Dept. of Commerce, FCBS upto 31.03.2022
46. Dr. Jayander Verma	HoD, Dept. of Commerce, FoC w.e.f 01.04.2022
47. Dr. Maithili Ganjoo	HoD, Dept. of Media Studies, FMeH upto 08.03.2021
48. Dr. Aman Vats	HoD, Dept. of Media Studies, FMeH
49. Dr. Shivani Vashisht	HoD, Dept. of English, FMeH
50. Dr. Shaveta Bhatia	HoD, Dept. of Computer Application, FCA upto 21.11.2021
51. Dr. Rashmi Agrawal	HoD, Dept. of Computer Application, FCA w.e.f 30.11.21
52. Dr. Deepti Dabas Hazarika	HoD, Dept. of Mgmt. Studies, FMS upto 31.03.2022
53. Dr. Deepti Dabas Hazarika	HoD, Dept. of PG-Mgmt. Studies, FMS w.e.f 01.04.2022
54. Dr. Bhavesh Prakash Joshi	HoD, Dept. of UG-Mgmt. Studies, FMS w.e.f 01.04.2022
55. Dr. K. M. Tripathi	HoD, Dept. of Psy, FBSS upto 20.03.2021
56. Dr. Priyanka Tiwari	HoD, Dept. of Psy, FBSS w.e.f 09.09.2021
57. Dr. Anandjit Goswami	HoD, Dept. of Economics, FBSS upto 27.09.2021
58. Dr. Durairaj Kumarasamy	HoD, Dept. of Economics, FBSS w.e.f 28.09.2021
59. Dr. Anandjit Goswami	HoD, Dept. of Social & Political Studies, FBSS
60. Ms. Ritika Singh	HoD, Dept. of HM, FMS upto 28.02.2021
61. Dr. Narender Suhag	HoD, Dept. of HM, FMS w.e.f 01.03.2021 to 07.05.2022

#### **All Professors other than the Heads of the Departments:**

62. Dr. Nandini Srivastava	Dept. of PG Management Studies & Director CDP
63. Dr. Sarita Sachdeva	Dept. of BT upto 08.10.2021
64. Dr. Rakesh Kumar	Dept. of Business Studies, FCBS w.e.f 07.01.2021
65. Dr. Amit Seth	Dept. of Business Studies, FMS upto 08.10.2021
66. Dr. Anita Khosla	Dept. of EEE, FET w.e.f 09.10.2021
67. Dr. Leena G.	Dept. of EEE, FET upto 08.10.2021
68. Dr. Anupama Rajput	Dept. of Applied Sc., FET w.e.f 07.01.2021
69. Dr. Deepak Kumar	Dept. of Math, FET w.e.f 07.01.2021
70. Dr. Geeta Nijhawan	Dept. of ECE, FET upto 08.10.2021
71. Dr. Surbhi Kapur	Dept. of Mgt Studies w.e.f 09.10.2021
72. Dr. Pratibha Singh	Dept. of N & D, FAHS w.e.f 09.10.2021
73. Dr. Rashmi Agarwal	Dept. of CA, FCA upto 29.11.2021
74. Dr. Abhilasha Shourie	Dept. of BT, FET w.e.f 09.12.2021
75. Dr. Devi Singh	Dept. of Applied Sc., FET upto 02.05.2022
76. Dr. Suresh Kumar	Dept. of CSE, FET, upto 02.05.2022



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

81. Mr. Arun Vashista	Dept. of Business Studies, FCBS upto 08.10.2021
82. Dr. Shilpa Arora	Dept. of Mgt Studies, FMS w.e.f 09.10.2021
83. Ms. Shweta Sharma	Dept. of CSE, FET upto 08.10.2021
84. Ms. Priyanka Rani	Dept. of CSE, w.e.f 09.10.2021

**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:**

85. Ms. Anita Chaudhary, IAS (Retd.) upto 07.01.2022	Member
86. Dr. Purna Gaur, Prof & founder ICE and EE, NSUT w.e.f 08.04.2022	Member
87. Sh. S.K.Goel, Director Starwire upto.02.02.2021	Member
88. Prof. Mewa Singh Turan (Retd) w.e.f 03.02.2021 J-52FF, Jemma Block, EMERALD Hill, Gurugram	Member
89. Dr. Pawan Kumar Dahiya, Prof, Dept. of ECE and Consultant (Acad.), DCRUST, Murthal	Member

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

90. Dr. A. Murli M. Rao, Head Computer Division, IGNOU, New Delhi	Member
91. Dr. Nasib Singh Gill, Head of Dept. of Computer Sc & Application MDU, Rohtak upto 07.01.2022	Member
92. Dr. Saranjeet Singh Bhasin, Prof. Jamia Millia Islamia New Delhi w.e.f 08.04.2022	Member
93. Dr. Dayal Singh Kumar, Former Professor, PEC, Chandigarh and Director-CITM, Faridabad.	Member

**Ex-Officio Secretary:**

94. Sh. R. K. Arora	Registrar, MRIIRS
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## 2.3 PLANNING AND MONITORING BOARD

### Ex-Officio Chairman:

Dr. Sanjay Srivastava

Vice Chancellor, MRIIRS Chairman

### Seven Internal Members:

Dr. Naresh Grover

Dr. Pardeep Kumar

Dr. Chavi Bharagava Sharma

Dr. G. L. Khanna

Dr. S. S. Tyagi

Dr. Usha Batra

Dr. Arundeeep Singh

Dr. Maithili Ganjoo

Dr. Deepti Dabas Hazarika

Pro Vice Chancellor

Pro Vice Chancellor

Dean - FBSS upto 13.10.2021

Pro Vice Chancellor w.e.f 01.04.2021

Dean - FCA upto

Dean - FCA w.e.f 20.11.2021

Dean - FDS

Dean - FMeH

Director - FMS

### Three External Members:

Prof. Sandeep Grover

Prof. K. Subramanian

Mr. Vikram Mattoo

Prof & HOD, Mech. Engg. (YMCA, University of Science & Technology, Faridabad

IEEE Delhi Section (Past Chair) & Chairman

NC. National Execom B-28 Tarang Appt,

Plot No 19, IP Extn Patparganj, New Delhi

General Manager, Mitsubishi Electric

India Pvt Ltd, Gurugram

### Ex-Officio Secretary:

Sh. R. K. Arora

Registrar, MRIIRS

## 2.4 FINANCE COMMITTEE

### Ex-Officio:

Dr. Sanjay Srivastava

Vice Chancellor, MRIIRS Chairman

### Nominee(s) of the Society/Trust:

Dr. M.M. Kathuria upto 05.06.2022

### Two nominees of the Board of Management one of whom shall be a Member of Board:

Dr. Amit Bhalla

Sh. Amit Kumar

Vice President, MRIIRS

Chartered Accountant

### A Representative of the Central Govt:

Vacant

### Ex-Officio Secretary:

Sh. Santosh Jha

Chief Finance Officer



## 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

Programmes					
Name of the Faculty	Programme	Student Intake		Total Admissions	
		UG	PG	UG	PG
	B.Tech-Biotechnology	30		15	
	B.Tech-Civil Engineering	30		13	
	B.Tech-Computer Science Engineering	240		240	
	B.Tech-Computer Science Engineering– Digital Forensics Cyber Security	60		47	
	B.Tech-Computer Science Engineering – Gaming Technology	30		19	
	B.Tech-Electronics & Communication Engineering	60		21	
	B.Tech-Electrical & Electronics Engineering	30		09	
	B.Tech-Mechanical Engineering	60		10	
	M.Tech- Biotechnology		06		03
	M.Tech- Civil Engineering		24		09
	M.Tech-Computer Engineering and Networking		06		02
	M.Tech-Electronics and Communication Engineering		06		01
	M.Tech Automation & Robotics		06		02
	M.Tech-Mechanical Engineering		06		00
	B.Sc. Microbiology	20		17	
	M.Sc. Microbiology		05		02
	M.Sc.-Biotechnology		20		18

## Faculty of Engineering and Technology (FET)

### List of Faculty Members:

Name of the Full-time teacher	Designation	Department
Devender Sharma	Professor	Aeronautical Engineering
Sachin Marwah	Associate Professor	Aeronautical Engineering
Vishnu Raj	Assistant Professor	Aeronautical Engineering
Devendra Vashist	Professor	Automobile Engineering
Sunny Bhatia	Assistant Professor	Automobile Engineering
Nitin Kumar Waghmare	Assistant Professor	Automobile Engineering
Gurpreet Singh Matharou	Assistant Professor	Automobile Engineering
Manu Solanki	Professor	Biotechnology
Kapila Kumar	Assistant Professor	Biotechnology
Sarita Sachdeva	Professor	Biotechnology
Pushpa Tomar	Professor	Biotechnology
Rashmi Rameshwari	Associate Professor	Biotechnology
Abhilasha Shourie	Professor	Biotechnology
Shobha Shrivastava	Associate Professor	Biotechnology
Nidhi Didwania	Professor	Biotechnology
Prachin Sharma	Assistant Professor	Biotechnology
Sabiha Imran	Professor	Biotechnology
Adhikarla Syama	Assistant Professor	Biotechnology
Kanchan Bhardwaj	Associate Professor	Biotechnology
Upasana Bedi Chanana	Associate Professor	Biotechnology
Krishna Priya Ganti	Associate Professor	Biotechnology
Preeti Nandal	Assistant Professor	Biotechnology
Jayant Maini	Assistant Professor	Biotechnology
Sadiqa Abbas	Professor	Civil Engineering
Anjali Gupta	Professor	Civil Engineering
Sonal Bhugra	Assistant Professor	Civil Engineering
Sunita Bansal	Professor	Civil Engineering
Aftab Alam	Assistant Professor	Civil Engineering
Arunangshu Mukherjee	Professor	Civil Engineering
Yaman Hooda	Assistant Professor	Civil Engineering
Haobam Derit Singh	Assistant Professor	Civil Engineering
Sneha Rai	Assistant Professor	Civil Engineering
Dipankar Saha	Professor	Civil Engineering
Vimlesh Singh	Associate Professor	Electronics and Communication Engineering
Abhiruchi Passi	Professor	Electronics and Communication Engineering
Jyoti Verma	Assistant Professor	Electronics and Communication Engineering
Amana	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
Perna Kakkar	Assistant Professor	Electronics and Communication Engineering
Yogendra Kumar Awasthi	Professor	Electronics and Communication 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 Chaudhary/Midha	Assistant Professor	Electrical and Electronics Engineering
Amit Atri	Assistant Professor	Electrical and Electronics Engineering
Virender Narula	Professor	Mechanical Engineering
Joydeep	Associate Professor	Mechanical Engineering
Basanta Kumar Bhuyan	Professor	Mechanical Engineering
Rajender Kumar	Assistant Professor	Mechanical Engineering
Seema Mahto	Assistant Professor	Mechanical Engineering
Pankaj Shakkarwal	Assistant Professor	Mechanical Engineering
Jimmy Mehta	Assistant Professor	Mechanical Engineering
Devdutt	Associate 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
Prateek Mittal	Assistant Professor	Mechanical Engineering
Arun Gaur	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
Sarvesh Kumar	Associate Professor	First Year (ASH)- Physics
Devi Singh	Professor	First Year (ASH)- Physics
Kapil Gupta	Assistant Professor	First Year (ASH)- Physics
Sandeep Srivastava	Assistant 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
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
Harsh Vermani	Assistant Professor	First Year (ASH)- H&M
Shagufta Jabin	Professor	First Year (ASH)- Chemistry
Pardeep Kumar	Professor	First Year (ASH)- Physics
Usha	Assistant Professor	First Year (ASH)- Maths





## 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: 2021-22

Title of the Paper	Name of the author (s)	Student Author	Title of the Journal / Conference / Book
Unmanned Aerial Vehicle Defence and Civil Sector	Raghav Arora, Air Cmde Devender Sharma	Raghav Arora	Journal of Xi'an University of Architecture & Technology, Volume XIII, Issue 6, 2021
Investigation of lift and Drag Characteristics of Traditional Symmetrical, Cambered and Supercritical Airfoils at Different Angles of Attack and Mach Nons	Saurav Suman, Akash Maheswari, Air Cmde Devender Sharma	Saurav Suman, Akash Maheswari	GEDRAG & ORGANISATIE REVIEW - ISSN:0921-5077, VOLUME 34 : ISSUE 02 - 2021
Dawn of Electric Powered Aircraft	Pratham Dawar, Akshita Singh Jadoun, Air Cmde Devender Sharma	Pratham Dawar, Akshita Singh Jadoun	GIS SCIENCE JOURNAL
A Comprehensive review on blended wing body Aircraft	Satish Chaudhary, Air Cmde Devender Sharma	Satish Chaudhary	Vidyabharati International Interdisciplinary Research Journal
Air Traffic Controllers and Tools	Anish Yadav, Kunal Bhardwaj, Siddhartha Gahlot, Devender Sharma	Anish Yadav, Kunal Bharadwaj	Zeichen Journal
Design and Development of Hypersonic Aerial Vehicles	Amritansh Pratap Singh, Vini Choudhary, Devender Sharma	Amritansh Pratap Singh, Vini Choudhary	Lect. Notes Mechanical Engineering, Niraj Kumar et al. (Eds): Advances in Interdisciplinary Engineering, (Chapter 47)

Human Body Monitoring Wearable Antenna	Vani Sadadiwala, Kashish Mahindroo, Vimlesh Singh, Priyanka Bansa	Vani Sadadiwala, Kashish Mahindroo	Optical and Wireless Technologies Proceedings
Fanwing Aircraft-Scope as an Agricultural Aircraft	Vaibhav Sharma, Mayank Sherwani, Sheshmani Shukla, Devender Sharma	Vaibhav Sharma, Mayank Sherwani, Sheshmani Shukla	International Journal for Research in Applied Science and Engineering Technology
A Detailed Study: CFD Analysis of NACA 0012 at Varying Angle of Attack	Vani Sadadiwala, Devender Sharma	Vani Sadadiwala	International Journal for Research in Applied Science and Engineering Technology
Triple-Band Polarization Independent C-Band Metamaterial Absorber	Kashish Mahindroo, Vani Sadadiwala, Vimlesh Singh,	Kashish Mahindroo, Vani Sadadiwala	Advances in Communication, Devices and Networking
A Literature Review on Composite Materials and Its Optimization In Aerospace	Prema Thapa	Prema Thapa	International Journal of Scientific & Engineering Research
Stealth Technology and India- A Review	Vishnu Raj, Ankita Kumari, Tanay V N	Ankita Kumari, Tanay V N	International Journal of Engineering Applied Sciences and Technology

**b. Student progression to higher education during the year: 2021-22**

<b>Name of students enrolled for higher education</b>	<b>Graduated from which Programme</b>	<b>Name of institution joined</b>	<b>Admitted to (Name of Programme)</b>
Vaibhav Sharma	B.Tech - Aeronautical Engineering	Indian Institute of Technology Dharwad	M.TECH in Mechanical Materials and Aerospace Engineering
Vani Sadadiwala Bhaveshkumar	B.Tech - Aeronautical Engineering	University of Manchester, England	Msc in Aerospace Engineering
Vijay Anand Singh	B.Tech - Aeronautical Engineering	University of Northampton, England	MBA
Rishabh Arora	B.Tech - Aeronautical Engineering	Griffith University, Queensland, Australia	Master of Professional Engineering



**c. Students benefited by career counseling and guidance for competitive Examinations: 2021-22**

Activity Description	No. of Participants
GATE coaching for Aeronautical Engineering Students	15

**d. FDPs attended by faculty members: 2021-22**

Name of the Faculty member	Title of FDP / Workshop / Conference Attended	Duration	
		Date from	Date to
Vishnu Raj	FDP on Business Start-ups and Innovation Management recognised by AICTE	06-06-2022	10-06-2022

**e. Faculty Research Papers: 2021-22**

Title of paper	Name of Author	Title of Journal	Year of Publication
A Comprehensive review on blended wing body Aircraft	Satish Chaudhary, Air Cmde Devender Sharma	Vidyabharati International Interdisciplinary Research Journal	2021-22
A Detailed Study CFD Analysis of NACA 0012 at Varying Angles of Attack	Vani Sadadiwala, Air Cmde Devender Sharma	International Journal for Research in Applied Science & Engineering Technology	2021-22
Air Traffic Controllers and Tools	Anish Yadav, Kunal Bhardwaj, Siddhartha Gahlot, Devender Sharma	Zeichen Journal	2021-22
Dawn of Electric Powered Aircraft	Pratham, Akshita and Air Cmde Devender Sharma	GIS SCIENCE JOURNAL	2021-22
Design and Development of a Multi-Application Hexacopter	Satish Chaudhary, Jagriti Verma, Aditya Pratap Singh, Manish Awana, Devender Sharma	International Journal for Research in Applied Science & Engineering Technology	2021-22
Design and Development of Hypersonic Aerial Vehicles	Amritansh Pratap Singh, ViniChoudhary, Devender Sharma	Advances in Interdisciplinary Engineering	2021-22
Human Body Monitoring Wearable Antenna	Vani Sadadiwala, Kashish Mahindroo, Vimlesh Singh, Priyanka Bansal, and Sarthak Singhal	Optical and Wireless Technologies Proceedings of OWT	2021-22

Investigation of lift and Drag Characteristics of Traditional Symmetrical, Cambered and Supercritical Airfoils at Different Angles of Attack and Mach Nons	Saurav, Akash and Air Cmde Devender Sharma	GEDRAG & ORGANISATIE REVIEW	2021-22
Monopole Antenna For Experimental Flight Applications	Vani Sadadiwala, Devender Sharma, Vimlesh Singh, Sarthak Singal	Journal of Aerospace Sciences and Technologies	2021-22
Unmanned Aerial Vehicle Defence and Civil Sector	Raghav Arora, Air Cmde Devender Sharma	Journal of Xi'an University of Architecture & Technology	2021-22
Virtual & Augmented Reality applications in Aeronautical Engineering	Air Commodore Devender Sharma	The International journal of analytical and experimental modal analysis	2021-22

#### f. Book Chapters: 2021-22

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference
Devender Sharma	NA	Design and Development of Hypersonic Aerial Vehicles	Lecture Notes in Mechanical Engineering
Sabiha Parveen	NA	Advancement in Digital Flight Control System	Lecture Notes in Mechanical Engineering
Sabiha Parveen	NA	Performance Evaluation of Vortex Generator for ag Reduction in Automobiles	Lecture Notes in Mechanical Engineering
Devender Sharma	NA	Design and Development of Hypersonic Aerial Vehicles	Lecture Notes in Mechanical Engineering

## 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: 2021-22**

Title of paper	Name of all the author(s)	Student Authors	Journal/Conference/Book Title
Prototype of Operating a Vehicle Using Arduino Microcontroller 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
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
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 IOPScience
Technological Advancements For Reduced Charging Time Of Electric Vehicle Batteries	Devendra Vashist & Abdullah Naim,	Abdullah Naim,	Smart Structures in Energy Infrastructure
Design Analysis Of Dimmer Light For Autonomous Vehicles	Devendra Vashist & Abhishek Mangla, Dhruv Gulati, Nanak Jhamb	Abhishek Mangla, Dhruv Gulati, Nanak Jhamb	Smart Structures in Energy Infrastructure
A Review On Performance Of Electric Motor Vehicle	Gagandeep Singh, Harshit Manchanda, Sunny Bhatia	Gagandeep Singh, Harshit Manchanda,	Lecture Notes in Electrical Engineering

A Review Paper On Materials Used For Manufacturing Of Alloy Wheels	Abdullah Naim, Ritesh Kumar and Sunny Bhatia	Abdullah Naim, Ritesh Kumar	IOP Conference Series: Materials Science and Engineering
Analysis of gasoline electric hybrid two wheeler	Devendra Vashist, Harshit Manchanda, Bavneet Singh & Bashed Ahamed	Harshit Manchanda, Bavneet Singh & Bashed Ahamed	3rd International Conference on Recent Trend on Science and Technology ICRTST-2021

#### b. Student progression to higher education during the year: 2021-22

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Anubhav Batra	B.Tech - Automobile Engineering	University of Leeds, UK	MSc (Eng) Automotive Engineering
Chirag D Ghumare	B.Tech - Automobile Engineering	University of Leeds, UK	MSc (Eng) Automotive Engineering
Harsh Gupta	B.Tech - Automobile Engineering	University of Leeds, UK	Master of Science

#### c. Faculty members: Awards & Recognitions:2021-22

Name of Faculty Member	Awards/Recognition
Sunny Bhatia	Recognition for publishing patent: Mechanized Retail Store Comprising 3D Printed Autonomous Home Delivery Drone (03.12.2021)
Nitin Kumar Waghmare	Recognition for publishing patent: Mechanized Retail Store Comprising 3D Printed Autonomous Home Delivery Drone (03.12.2021)
Devendra Vashist	Recognition as Invited reviewer for International Journal of Creative Research Thoughts (2021-22)
Devendra Vashist	Certificate of Award-Elite NPTEL online certification on Electric Vehicles and Renewable Energy (July to October 2021)
Gurpreet Singh Matharou	Recognition as Invited reviewer for paper titled "A survey on various Alzheimer classification techniques using 3DMRI images: A challenging overview" (09-12-2021)
Gurpreet Singh Matharou	Recognition as Invited Speaker for International Online Conference on Materials Science and Technology (ICMT 2021) held from 12-14 November 2021
Gurpreet Singh Matharou	Recognition for publishing patent: External Handbrake with Mechanical Park Assist, issued on 27.08.2021 by Office Journal of the Patent Office
Gurpreet Singh Matharou	Certificate of Award-Elite NPTEL online certification on Product Design and Manufacturing (30-04-2022)
Gurpreet Singh Matharou	Recognition as Invited reviewer for paper titled "Agriculture Soil fertility assessment using random forest classifier and regressor: ASUR" (June 2022)
Gurpreet Singh Matharou	Recognition as Invited reviewer for paper titled "A survey on various Alzheimer classification techniques using 3D MRI images: A challenging overview" (Jan 2022)UK
Gurpreet Singh Matharou	Recognition as Invited Reviewer for Paper titled "A credit risk assessment on borrowers classification using optimized decision tree and KNN with Bayesian optimization" for Inderscience Publisher (February 2022)



Gurpreet Singh Matharou	Recognition as Invited Reviewer for Paper titled "Estimating regulatory governance gaps for adoption of augmented reality in automobile sector: the application of analytical hierarchy approach" for Inderscience Publisher (April 2022)
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**d. FDPs/Workshops/Conferences Attended: 2021-22**

Name of the Faculty member	Title of FDP/Workshop/Conference Attended	Date from	Date to
Devendra Vashist	FDP on Advances in Electric Vehicle Technologies	06-07-2021	10-07-2021
Devendra Vashist	FDP on Basics of Electric Vehicles	10-09-2021	14-09-2021
Devendra Vashist	FDP on Electric Vehicles and Renewable Energy	01-07-2021	01-10-2021
Devendra Vashist	NPTTEL Online Certification Course Electric Vehicles Part-I	21-02-2022	18-03-2022
Gurpreet Singh Matharou	FDP on Modern Trends in Manufacturing Processes and Control Techniques in Renewable Energy System	16-11-2021	21-11-2021
Gurpreet Singh Matharou	FDP on Processing of Novel Materials	20-09-2021	24-09-2021
Gurpreet Singh Matharou	FDP on Industrial Robots on Future Factories	13-09-2021	17-09-2021
Gurpreet Singh Matharou	FDP on Effective Academic Practices	10-01-2022	14-01-2022
Gurpreet Singh Matharou	FDP on Challenges and opportunities in Electric Vehicle	17-01-2022	21-02-2022
Gurpreet Singh Matharou	STC on Water Resource Management recognised by AICTE	07-03-2022	11-03-2022
Gurpreet Singh Matharou	FDP on NEP 2020 Implementation in Higher Education Institutes recognised by AICTE	09-05-2022	13-05-2022
Gurpreet Singh Matharou	FDP on Work-Life Balance for Technocrats	20-05-2022	24-05-2022
Gurpreet Singh Matharou	FDP on Business Start-ups and Innovation Management recognised by AICTE	06-06-2022	10-06-2022
Gurpreet Singh Matharou	NPTTEL Online Certification Course Electric Vehicle Part-I	21-02-2022	18-03-2022
Gurpreet Singh Matharou	NPTTEL Online Certification Course Product Design and Manufacturing	24-01-2022	15-04-2022
Nitin Kumar Waghmare	ATAL FDP on Nanotechnology Advances in Engineering Materials and Manufacturing	21-06-2021	25-06-2021
Nitin Kumar Waghmare	FDP on "Challenges and Opportunities for Electric Vehicle Adoption"	19-07-2021	23-07-2021
Nitin Kumar Waghmare	FDP on "Modern Trends in Manufacturing Processes and Control Techniques in Renewable Energy System"	16-11-2021	21-11-2021
Nitin Kumar Waghmare	FDP on Effective Academic Practices	10-01-2022	14-01-2022

Nitin Kumar Waghmare	STC on Water Resource Management through ICT	07-03-2022	11-03-2022
Nitin Kumar Waghmare	FDP on 5G Communication & its Application recognised by AICTE	23-05-2022	27-05-2022
Nitin Kumar Waghmare	FDP on NEP 2020 Implementation in Higher Education Institutes recognised by AICTE	09-05-2022	13-05-2022
Sunny Bhatia	FDP on "Sustainable Green Composites: Design, Manufacturing and Characterization"	09-08-2021	13-08-2021
Sunny Bhatia	FDP on "Advances in Novel Composite Materials: Fabrication, Analysis and Optimization"	06-09-2021	10-09-2021
Sunny Bhatia	FDP on "Additive Manufacturing: Programming, Operation & Applications"	20-09-2021	24-09-2021
Sunny Bhatia	FDP on "3D Printing Technology"	12-07-2021	16-07-2021
Sunny Bhatia	FDP on NEP 2020 Implementation in Higher Education Institutes recognised by AICTE	09-05-2022	13-05-2022

#### e. Events Organised: 2021-22

Title	From Date	To Date
Faculty Development Programme with Title "Electric Vehicle Technology: Opportunities and Challenges"-Professional Development Program for teaching staff	06-12-2021	10-12-2021

#### f. Faculty Research Papers: 2021-22

Title of paper	Name of the author(s)	Name of journal	Year of publication
A Review On Performance Of Electric Motor Vehicle	Gagandeep Singh, Harshit Manchanda, Sunny Bhatia	Lecture Notes in Electrical Engineering	2021-22
A Review Paper On Materials Used For Manufacturing Of Alloy Wheels	Abdullah Naim, Ritesh Kumar and Sunny Bhatia	IOP Conference Series Materials Science and Engineering	2021-22
Development Of Vehicular Robots With Machine Learning Capability	Devendra Vashist & Himanshu Sengar	Advances in Interdisciplinary Engineering "Lecture Notes in Mechanical Engineering"	2021-22
Effect Of Ageing On Emission Levels Of A Gasoline Vehicle A Case Study In Indian Context	Devendra Vashist & Manu Bindra	Advances in Fluid and Thermal Engineering "Lecture Notes in Mechanical Engineering"	2021-22



Effect of the Content Of Silane-Functionalized Boron Carbide On The Mechanical And Wear Performance Of B4C Reinforced Epoxy Composites	Sunny Bhatia, Sabah Khan, Surjit Angra	High Performance Polymers	2021-22
Experimental Investigation of Surface Roughness in Electrical Discharge Machining of hybrid metal matrix composite	Gurpreet Singh Matharou	Lecture Notes in Mechanical Engineering Springer Nature	2021-22
Hybrid Metal Matrix Composite Development By Stir Casting Method And Environmental Concerns.	Gurpreet Singh Matharou, Basanta Kumar Bhuyan	Advances in Engineering Materials (Lecture notes in Mechanical Engineering)	2021-22
Modeling And Combined Effect Analysis Of Electric Discharge Machining Process Using Response Surface Methodology	Gurpreet Singh Matharou, Basanta Kumar Bhuyan	Materials Today Proceedings	2021-22
Parametric Analysis Of Electric Discharge Machining Of Hybrid Composite Materials	Gurpreet Singh Matharou, Basanta Kumar Bhuyan	Advances in Engineering Materials	2021-22
Technological Advancements For Reduced Charging Time Of Electric Vehicle Batteries	Devendra Vashist & Abdullah Naim,	Smart Structures in Energy Infrastructure	2021-22
The Design and Development of Advanced Braking System with Microcontroller	Gurpreet Singh Matharou	ECS Transactions IOP Science	2021-22

#### 9. Books Chapters: 2021-22

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference
Devendra Vashist	NA	Effect of Ageing on Emission Levels of a Gasoline Vehicle A Case Study in Indian Context	Lecture Notes in Mechanical Engineering

Devendra Vashist	NA	Development of Vehicular Robots With Machine Learning Capability	Lecture Notes in Mechanical Engineering
Devendra Vashist	NA	Effect of ageing on emission levels of a gasoline vehicle a case study in Indian context	Advances in Fluid and Thermal Engineering
Gurpreet Singh Matharou	NA	Hybrid Metal Matrix Composite Development by Stir Casting and Environmental Concerns	Lecture Notes in Mechanical Engineering
Gurpreet Singh Matharou	NA	Parametric Analysis of Electric Discharge Machining of Hybrid Composite Materials	Lecture Notes in Mechanical Engineering
Gurpreet Singh Matharou	NA	Hybrid Metal Matrix Composite Development by Stir Casting and Environmental Concerns	Advances in Engineering Materials
Gurpreet Singh Matharou	Transforming Management Using Artificial Intelligence Techniques, Chapter 7 Contemporary Trends in Education Transformation Using Artificial Intelligence	NA	NA
Nitin Kumar Waghmare	NA	Mechanical properties of epoxy hybrid composites reinforced with agave fiber and zinc powder	AIP publishing conference
Sunny Bhatia	NA	A review paper on materials used for manufacturing of alloy wheels	IOP Conference Series Materials Science and Engineering
Gurpreet Singh Matharou	Advances in Materials and Material Technology	Experimental investigation of surface roughness in electric discharge machining of Hybrid Metal Matrix Composite	Lecture Notes in Mechanical Engineering
Gurpreet Singh Matharou	NA	Significant Complications declining usage of Electrical Discharge Machining Process	IOP Conference Series: Material Science and Engineering
Gurpreet Singh Matharou	Selection and Fabrication of HMMC (AL6063-SIC-B4C-MG), Recent Developments in Nanofibers Research	NA	NA



### 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's Publications: 2021-22

Title of paper	Name of all the author(s)	Student Authors	Journal/Conference/Book Title
Mapping Protein Interactions Between Rabies Virus And Its Human Host	Kajal Singla, Kartik Jatwani, Abhilansh Pandey, Dhvani Malik, Priyanka Chauhan, Mamta Rajbhar, Anjali Singh and Kapila Kumar	Kajal Singla, Kartik Jatwani, Abhilansh Pandey, Dhvani Malik, Priyanka Chauhan, Mamta Rajbhar, Anjali Singh	International Journal of Pharmaceutical Sciences and Research (IJPSR)
Phytochemical Properties and Pharmacological Role of Plants: Secondary Metabolites.	Bhupesh Kaushik, Jatin Sharma, KeshavYadav, Prithik Kumar and Abhilasha Shourie	Bhupesh Kaushik, Jatin Sharma, KeshavYadav, Prithik Kumar	Biosci Biotech Res Asia
Hybridoma Technology; Advancements, Clinical Significance, And Future Aspects	Sanchita Mitra and Pushpa C. Tomar	Sanchita Mitra	Journal of Genetic Engineering and Biotechnology

##### b. Student progression to higher education during the year: 2021-22

Name of student(s) enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Alokita Tanwar	B.Tech-Biotechnology	University of Glasgow, UK	M.Sc.in Biomedical Sciences
Deepti Jamwal	B.Tech-Biotechnology	GGSIU, Dwarka, N. delhi	M. Tech Biotechnology

Dhwani Malik	B.Tech-Biotechnology	Delhi School of Business, Vivekananda Institute of Professional Studies	PGDM/MBA
Kartik Jatwani	B.Tech-Biotechnology	Dresden University of Technology, Germany	Masters in Regenerative Biology and Medicine
Simran Jeet Kaur	B.Tech-Biotechnology	Universität Würzburg, Sanderring, Germany	Master of science, Translational Neuroscience
Abhilansh Pandey	B.Tech-Biotechnology	Georgia Tech, Emory University, USA	Masters in Biomedical Engineering
Rama Karn	M.Tech-Biotechnology	IIT-Guwahati, Assam, India	PhD

**c. Students benefited by career counseling and guidance for competitive. Examinations: 2021-22**

Activity Description	No. of Participants
"Importance of Science Communication" for Job prospects	38

**d. Faculty members: Awards & Recognitions:2021-22**

Name of Faculty Member	Awards/Recognition
Kapila Kumar	Recognition as Primary Evaluator in Toycathon-2021 (16-12-2021)
Kapila Kumar	Recognition as Invited reviewer for paper titled "Association between the interferon-induced trans-membrane protein 3 gene rs34481144/ rs12252 haplotypes and Covid-19" for the Journal "Current Research in Virological Science"(22-11-2021)
Kapila Kumar	Awarded as Outstanding Woman Researcher in Molecular Biology(05-03-2022)
Kapila Kumar	Appreciation for winning the First Prize for the team at Anveshan 2022, National science convention (27-03-2022 to 28-03-2022)
Nidhi Didwania	Recognition as Convener in Technical Session-6: Public-Private partnership (PPP) and IPR issues" "National E- Conference on Biotic Stress Management Strategies for Achieving Sustainable Crop Production and Climate Resilience.(19-05-2022 to 22-05-2022)
Nidhi Didwania	Recognition as Invited Speaker in "National E- Conference on Biotic Stress Management Strategies for Achieving Sustainable Crop Production and Climate Resilience. Technical Session-6, Role of Public-Private Partnership in agribusiness(19-05-2022 to 22-05-2022)
Nidhi Didwania	Certificate of Award -Elite + Silver Certification for Online SWAYAM-NPTEL Certificate Course: Environmental Impact Assessment (01-01-2022 to 30-04-2022)
Nidhi Didwania	Recognition on publication of International (US) Patent: Bio-pesticide formulation (03-02-2022)

**e. FDPs attended by faculty members:2021-22**

Name of the Faculty member	Title of FDP/Workshop/Conference Attended	Date from	Date to
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Abhilasha Shourie	Plastic Waste Management: Challenges & opportunities" at Central Institute of Petrochemicals Engineering & Technology	23-08-2021	27-08-2021
Abhilasha Shourie	STC on Water Resource Management through ICT	07-03-2022	11-03-2022
Abhilasha Shourie	AICTE FDP on Intellectual Property Rights & Patenting In India	13-06-2022	17-06-2022
Jayant Maini	FDP on Project based learning:International Prospective	04-06-2022	09-06-2022
Jayant Maini	AICTE FDP on Intellectual Property Rights & Patenting In India	13-06-2022	17-06-2022
Kanchan Bhardwaj	ATAL National FDP on Genome Engineering Technology	17-01-2022	21-02-2022
Kanchan Bhardwaj	AICTE FDP on Intellectual Property Rights & Patenting In India	13-06-2022	17-06-2022
Kanchan Bhardwaj	AICTE FDP on NEP 2020 Implementation in Higher Education Institutes	09-05-2022	13-05-2022
Kanchan Bhardwaj	AICTE FDP on OBE and NBA Accreditation	23-05-2022	27-05-2022
Kanchan Bhardwaj	FDP on Effective Academic Practices	10-01-2022	14-01-2022
Kapila Kumar	FDP on Computer Aided Drug Design (CADD)	24-07-2021	25-07-2021
Kapila Kumar	AICTE FDP on Intellectual Property Rights & Patenting In India	13-06-2022	17-06-2022
Krishna Priya Ganti	AICTE FDP on Intellectual Property Rights & Patenting In India	13-06-2022	17-06-2022
Krishna Priya Ganti	AICTE FDP on Organic Farming and Organic Food Marketing	25-07-2022	29-07-2022
Krishna Priya Ganti	AICTE FDP Business Startups and Innovation Management	06-06-2022	10-06-2022
Manu Solanki	STC on Water Resource Management through ICT	07-03-2022	11-03-2022
Manu Solanki	NPTTEL AICTE Course on Nanotechnology In Agriculture	01-02-2022	30-04-2022
Kapila Kumar	AICTE FDP on Intellectual Property Rights & Patenting In India	13-06-2022	17-06-2022
Manu Solanki	AICTE FDP on Intellectual Property Rights & Patenting In India	13-06-2022	17-06-2022
Nidhi Didwania	NPTTEL AICTE Course on Environmental Impact Assessment	01-01-2022	24-04-2022
Nidhi Didwania	AICTE FDP on Intellectual Property Rights & Patenting in India	13-06-2022	17-06-2022
Nidhi Didwania	STC on Climate Change Disaster Management and Sustainable	25-04-2022	29-04-2022

	Development through ICT		
Nidhi Didwania	STC on Water Resource Management through ICT	07-03-2022	11-03-2022
Preeti Nandal	AICTE FDP on Intellectual Property Rights & Patenting In India	13-06-2022	17-06-2022
Rashmi Rameshwari	Genome Engineering for Environment	23-08-2021	27-08-2021
Rashmi Rameshwari	Computational Synthetic and Systems Biology	26-07-2021	30-07-2021
Rashmi Rameshwari	FDP on Computational Biology(Interdisciplinary)	13-06-2022	22-06-2022
Sabiha Imran	AICTE FDP on Intellectual Property Rights & Patenting In India	13-06-2022	17-06-2022
Sabiha Imran	AICTE FDP Business Startups and Innovation Management	06-06-2022	10-06-2022
Sabiha Imran	AICTE FDP on NEP 2020 Implementation on Higher Education Institutes	09-05-2022	13-05-2022
Sabiha Imran	STC on Water Resource Management through ICT	07-03-2022	11-03-2022

#### f. Event Organised: 2021-22

Title	From	To
Short Term Training Programme/FDP on 'Intellectual Property Rights & Patenting in India' in collaboration with NITTTR Chandigarh	13-06-2022	17-06-2022

#### g. Faculty Research Papers: 2021-22

Title of paper	Name of the author/s	Name of journal	Year of publication
A Comparative Profile Of Bactericidal Action Of A Partially Purified Bacteriocin From Lactic Acid Bacteria With Antibiotics	KLR Bonhi and Sabiha Imran	Malaysian Journal of Microbiology	2021-22
An In-Silico Approach for Analysing the interplay of Hepatitis B viral X protein with Human Adaptin protein.	Prachie Sharma, Kamal Rawal, Kapila Kumar	Journal of Research in Pharmacy	2021-22
Assessment Of Different Aspects Of Hepatitis B Viral Lymphotropism Using Deep Curation	Prachie Sharma, Kamal Rawal, Kapila Kumar	F 1000 Research	2021-22
Choline Oxidase: An Enzyme of Immense Industrial Potential.	Sonia Kaushik, Rashmi Rameshwari, Shilpa S Chaudhariaonkar	Asia-Pacific Journal Of Molecular Biology And Biotechnology	2021-22



COVID-19 pandemic in India: First wave v/s Second Wave, pp. (S228-S235)	Rashmi Rameshwari, Devendra Kumar Verma, Meenu Agarwal	Ecology, Environment and Conservation	2021-22
Current Status Of Rice Crop Omics Applications To Challenges	Simran Jeet Kaur, Shivam Bhardwaj, Rashmi Rameshwari	The International Journal of Pharma and Bio Sciences	2021-22
Diabetic Neuropathy An Insight On The Transition From Synthetic Drugs To Herbal Therapies.	Komal Arora, Pushpa C. Tomar , Vandana Mohan	Journal of Diabetes and Metabolic Disorders	2021-22
Effect Of Metal Nanoparticles On Microbial Community Shift And Syntrophic Metabolism During Anaerobic Digestion Of Azolla Microphylla	Manpreet Kaur, Prakash. C. Sahoo, Manoj Kumar, Sarita Sachdeva, S.K.Puri	Journal of Environmental Chemical Engineering	2021-22
Fungal Diversity and its Role in Mycoremediation	Abhilasha Shourie and U. Vijayalakshmi	Geomicrobiology	2021-22
Hybridoma Technology; Advancements, Clinical Significance, And Future Aspects	Sanchita Mitra and Pushpa C. Tomar	Journal of Genetic Engineering and Biotechnology	2021-22
Insights into the Human Gut Virome by Sampling a Population from the Indian Subcontinent	Kanchan Bhardwaj, Anjali Garg, Abhay Deep Pandeya, Himani Sharma, Manish Kumarc and Sudhanshu Vratia	Journal of General Virology	2021-22
Isolation Screening And Molecular Characterization Of Zinc Solubilizing Bacteria And Their Effect On The Growth Of Wheat (Triticum Aestivum	Vandana Nandal & Manu Solanki	Asia Pacific Journal of Molecular Biology and Biotechnology.	2021-22
Mapping Protein Interactions Between Rabies Virus And Its Human Host	Kajal Singla, Kartik Jatwani, Abhilansh Pandey, Dhvani Dhvani, Priyanka Chauhan, Mamta Rajbhar, Anjaliu Singh, Kapila Kumar	International Journal of Pharmaceutical Sciences and Research	2021-22
Microbial Consortium: An eco-friendly approach against Alternaria brassicae in Indian Mustard	Surbhi Gupta, Nidhi Didwania and Dinesh Singh Scholar	Indian Phytopathology	2021-22
Optimization Of A- Amylase Production From Bacillus Amyloliquefaciens Using Taguchi Method	Pankhuri Sharma and Shilpa Chapadgaonkar	Bioscience Biotechnology Research Asia	2021-22

Phyto-Chemical Analysis Of Various Mustard Seeds In Different Solvent Extracts.	Aishwarya, Varishth Khanna, Pushpa C. Tomar, Charu Rajpal	International Journal of Botany Studies.	2021-22
Phytochemical Properties And Pharmacological Role Of Plants Secondary Metabolites	Bhupesh Kaushik, Jatin Sharma, Keshav Yadav, Prithik Kumar, Abhilasha Shourie	Biosciences, Biotechnology Research Asia	2021-22
Polyaniline/Carboxymethyl Guar Gum Nanocomposites: As Biodegradable Conductive Film	Jagram Meena, Sudhir Kumar Verma, Rashmi Rameshwari and Devendra Kumar Verma	Rasayan Journal	2021-22
Probiotics And Management Of Autism Spectrum Disorders	Kajal Singla, AbhinobBarual& Shilpa Chapadgaonkar	Journal of microbiology, biotechnology and food sciences	2021-22
Production Of Thermo-Alkali Stable Xylanase From Bacillus Licheniformis Isolated From Natural Hot Water Geyser	Girisha Malhotra & Shilpa Chapadgaonkar	Journal of Microscopy and Ultrastructure	2021-22
Response Of Cadaverine On The Protein Profiling Of Cultured Tissues Of Brassica Juncea (Rh-30) Under Multiple Stress	Komal Arora, Pushpa C. Tomar	Journal of microbiology, biotechnology and food sciences	2021-22
Review 3: "Biochemical characterization of emerging SARS-CoV-2 Nsp15 Endoribonuclease Variants"	Kanchan Bhardwaj	Rapid Reviews COVID 19	2021-22
SIN-3 functions through multi-protein interaction to regulate apoptosis, autophagy, and longevity in Caenorhabditis elegans.	Konwar C, Maini J, Kohli S, Brahmachari V, Saluja D.	Scientific Reports	2021-22
Status Of Zinc In The Soils Of Faridabad District	Vandana Nandal & Manu Solanki	Ecology, Environment and Conservation	2021-22
Study On The Agaricus Bisporus To Enhance The Immunity Against Covid-19	Srishti Tanwar, Anjali Kumari and *Sabiha Imran	Journal of Emerging Technologies and Innovative Research	2021-22
Synthesis, Characterization And Applications Of Chitosan Based Metallic Nanoparticles A Review	Verma , D. K., Malik , R. ., Meena, J. ., & Rameshwari, R	Journal of Applied and Natural Science	2021-22
The impact of SARS-CoV 2 on the sudden onset of Mucormycosis in the	Shakila Mahesh	Journal of Family medicine and Primary care	2021-22



Indiansubcontinent- A Review			
The Zn As A Vital Micronutrient In Plants	Vandana Nandal & Manu Solanki	Journal of microbiology, biotechnology and food sciences	2021-22
Zn As A Vital Micronutrient In Plants.	Vandana Nandal and Manu Solanki	Journal of microbiology, biotechnology and food sciences	2021-22

#### h. Books Chapters: 2021-22

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference
Abhilasha Shourie	Bioactive compounds from microalgae	NA	An Integration of Phycoremediation Processes in Wastewater Treatment
Abhilasha Shourie	Bioactive compounds from microalgae-An Integration of Phycoremediation Processes in Wastewater Treatment	NA	NA
Abhilasha Shourie	Climate change impacts on plant-microbial interactions, Climate Change and the Microbiome, Sustenance of the Ecosphere	NA	NA
Abhilasha Shourie	Impact of Climate change on Soil Fertility-Climate Change and the Microbiome, Sustenance of the Ecosphere	NA	NA

#### 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: 2021-22

Title of paper	Name of all the author/s	Student Authors	Journal/Conference/Book Title
Improving the Resources Utility in Construction Sector for the Sustainable Development	Nitin Kumar Garg, Rajat Negi, Sunita Bansal & Rajender Kumar	Nitin Kumar Garg, Rajat Negi	Recent Trends in Industrial and Production Engineering, Lecture Notes in Mechanical Engineering
Recent progress in the utilization of waste materials for road construction	Rahul Mehlawat, Sadiqa Abbas, Sonal Bhugra	Rahul Mehlawat	International Journal of Engineering Research and Applications
Review on Thermal Energy Efficiency Using Gypsum Integrated Phase Change Materials in Buildings	Kavita Vaishnav, Gift Pon Lazarus, Sunita Bansal & Yaman Hooda	Kavita Vaishnav	Advances in Construction Materials and Sustainable Environment, Lecture Notes in Civil Engineering
Micro Simulation Modelling of an Urban Corridor in PTV Vissim	Swati Goyal, Sonal Bhugra	Swati Goyal	International Journal of creative research thoughts (IJCRT)
Traffic congestion analysis using PTB VISSIM Software	Anuj Kumar Atrish, Gaurav and Sonal Bhugra	Anuj Kumar Atrish and Gaurav	Ijaset Journal For Research in Applied Science and Engineering Technology
Effect of High-Rise buildings on urban land use in Kabul	Hamidullah Azimi, Sunita Bansal, Dr. Tanmay Gupta	Hamidullah Azimi	High Technology Letters
Seismic-Based Comparative Analysis of Existing Structures using P - $\Delta$ Effect	Shivam Sibbal, Animesh Yadav and 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 and HaobamDerit Singh	Jitesh Aggarwal, Gurdit Singh	Advances in 21st Century Human Settlements
Experimental Study on the Strength Parameters of Self Compacting Concrete Reinforced with Carbon Fibre	Vikas Choudhary and HaobamDerit Singh	Vikas Choudhary	Materials Today: Proceedings
Comparative Analysis of Transmission Line Towers for Angle Section and Square Hollow Section Structural Configuration in Indian Context	Rakshit Kumar and Yaman Hooda	Rakshit Kumar	Materials Today: Proceedings
Utilization of Plastic Waste in Construction Industry in India – A Review	Sunita Bansal, Shubham Singh Kushwah , Archit Garg, Karan Sharma	Shubham Singh Kushwah , Archit Garg, Karan Sharma	Materials Today: Proceedings
Delay Assessment in Construction Projects Using Six Sigma in Indian Context	Tanmay Swami and Yaman Hooda	Tanmay Swami	NICMAR Journal of Construction Management
Traffic Management and Intelligent Transportation Systems (ITS)	Anuj Kumar Atrish and Sonal Bhugra	Anuj Kumar Atrish	Technological Prospects and Social Applications of Society 5.0

**b. Students benefited by career counseling and guidance for competitive Examinations: 2021-22**

Activity Description	No. of Participants
Expert Talk on "Strategy to crack GATE and other Competitive Exams"	41
Career Prospects of Civil Engineering	27

**c. Student progression to higher education during the year: 2021-22**

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Jatin Chaudhary	B. Tech-Civil Engineering	Great Lakes, Chennai Campus	PGD-Management
Lakshay Mongia	B. Tech -Civil Engineering	Manav Rachna International Institute of Research and Studies, Faridabad	M. Tech (Construction Management)
Gurdit Singh	B. Tech-Civil Engineering	Algoma University	Project Management program
Sagar Malik	M.Tech-Civil Engineering	Manav Rachna International Institute of Research and Studies, Haryana	Ph.D

**d. Faculty members: Awards & Recognitions: 2021-22**

Name of Faculty Member	Awards/Recognition
Yaman Hooda	Certificate of Award for Elite + Silver certification for completing the course "Design of Reinforced Concrete Structures" (July-October 2021)
Sadiqa Abbas	Recognition as Eminent Speaker at International Conference on Innovative & Sustainable Civil Engineering Practices (26-08-2021-27-08-2021)
Yaman Hooda	Recognition for publishing patent: Practices for Measuring Business Success in Construction Engineering (14-07-2022)
Yaman Hooda	5 Stars – Excellent Performance in Self – Assessment under the specialization of Civil Engineering Materials (20-08-2022)
Anjali Gupta	Recognition as Invited Session Chair at International Conference on Environmental Concerns & Its Remediation (18-10-2021 to 22-10-2021)
Anjali Gupta	Recognition as Session Chair for National Conference on Recent Trends in Civil and Environmental Engineering (04-02-2022)
Anjali Gupta	Guest speaker for "Ground Improvement Techniques for Highway construction" (23-05-2022)
Anjali Gupta	Recognition for publishing patent: A System and a process for recycling waste fabrics (13-04-2022)
Sadiqa Abbas	Recognition as invited Session Chair: International Conference on Sustainable Development and Recent trends in Civil Engineering-ICSDRT-2022) 04-01-2022 to 05-01-2022
Sadiqa Abbas	Member District Water Resource Planning Committee 14-01-2022
Sunita Bansal	GEM Certified Professional (GEM CP) (08-04-2022)

**e. FDPs attended by Faculty Members: 2021-22**

Name of Faculty Member	Title	Date from	Date to
Anjali Gupta	ATAL FDP Emerging Trends in Geotechnical Engineering	06-09-2021	10-09-2021
Anjali Gupta	ATAL FDP Contemporary Advances in Sustainable and Integrated Infrastructure	02-08-2021	06-08-2021



Anjali Gupta	ATAL AICTE FDP on Current Trends and Future Prospects in Data Science	10-01-2022	14-01-2022
Anjali Gupta	AICTE Sponsored STTP on Neoteric Developments in Solid Waste Management	21-03-2022	25-03-2022
HaobamDerit Singh	ATAL AICTE Faculty Development Programme on Advances in Earthquake Safe Design and Construction Practice	07-02-2022	11-02-2022
HaobamDerit Singh	AICTE recognised STC on Water Resource Management	07-03-2022	11-03-2022
Sadiqa Abbas	ATAL FDP on Smart Cities	12-10-2021	16-10-2021
Sadiqa Abbas	ATAL FDP Redemption from Plastic Pollution:Indian railways	05-07-2021	09-07-2021
Sadiqa Abbas	ATAL FDP Project Management in Construction Technology	26-07-2021	30-07-2021
Sadiqa Abbas	Faculty Development Programme on Effective Academic Practices	10-01-2022	14-01-2022
Sonal Bhugra	ATAL FDP Redemption from Plastic Pollution:Indian railways	05-07-2021	09-07-2021
Sonal Bhugra	ATAL FDP Project Management in Construction Technology	26-07-2021	30-07-2021
Sonal Bhugra	FDP on MATLAB for Engineering Applications recognised by AICTE	30-05-2022	03-06-2022
Sonal Bhugra	AICTE recognised STC on Climate Change, Disaster Management and Sustainable Development	25-04-2022	29-04-2022
Sunita Bansal	ATAL FDP Project Management in Construction Technology	26-07-2021	30-07-2021
Sunita Bansal	CMI Level 5 certification in Management and Leadership under AICTE-UK India Education and Research Initiative(UKIERI) 2020-21 Technical Leadership Programme	01-07-2021	01-09-2021
Sunita Bansal	ATAL AICTE Faculty Development Programme on Advances in Earthquake Safe Design and Construction Practice	07-02-2022	11-02-2022
Sunita Bansal	AICTE recognised STC on Water Resource Management	07-03-2022	11-03-2022
Yaman Hooda	Faculty Development Programme on Green Energy Sources and Clean Technologies	07-06-2021	11-06-2021
Yaman Hooda	Webinar Series on Bridge Deck Erection Technology – Best International Practices	29-05-2021	03-07-2021
Yaman Hooda	FDP on Environment Protection and Pollution Mitigation for Sustainable Development	05-07-2021	09-07-2021
Yaman Hooda	ISTP on Structural Health Monitoring, Retrofitting and Rehabilitation	12-07-2021	16-07-2021
Yaman Hooda	ATAL AICTE Faculty Development Programme on Advances in Earthquake Safe Design and Construction Practice	07-02-2022	11-02-2022
Yaman Hooda	AICTE recognised STC on Climate Change, Disaster Management and Sustainable Development	25-04-2022	29-04-2022

#### g. Events Organised: 2021-22

Title	From Date	To Date
ATAL, AICTE Faculty Development Program on Contemporary Advances in Sustainable and Integrated Infrastructure- Professional Development Program for teaching staff	02-08-2021	06-08-2021
One – Week Online Faculty Development Program on Progression to Smart Buildings in Indian Context	10-01-2022	14-01-2022

#### h. Faculty Research Papers: 2021-22

Title of paper	Name of the author/s	Name of Journal	Year of publications
Benchmarking Civil Engineering Education In India	Sunita Bansal, Anjali Gupta	TRACE	2021-22
Improving The Resources Utility In Construction Sector For The Sustainable Development	Sunita Bansal	1st International Conference on Construction Materials and Environment	2021-22
Micro Simulation Modelling Of An Urban Corridor In PtvVissim	Swati Goyal, Sonal Bhugra	International Journal of creative research thoughts (IJCRT)	2021-22
Parametric Strength Of Sustainable Concrete Using Fly Ash,Ggbs And Recycled Aggregates As Per Taguchi'S Approach	Yaman Hooda, Sunita Bansal and Anjali Gupta.	1st International Conference on Construction Materials and Environment	2021-22
Physico-Chemical Characterization Of Stabilized Msw Of An Okhla Landfill	Sonal saluja; arun Gaur; Kafeel Ahmad	Materials today-Proceedings	2021-22
Ranking Of Stabilizer To Stabilize/Solidify Dredged Soil As A Highway Construction Material	Anjali Gupta; Srijit Biswas; V.K.Arora	Materials today-Proceedings	2021-22
Real-Time CharacterizaTionAndSourceApportionmentNt Of FineParticulateMatter In The Delhi Megacity Area During Late Winter	Shashi Tiwari	Science of the Total Environment(STOTEN)	2021-22
Recent Progress In The Utilization Of Waste Materials For Road Construction	Rahul Mehlawat ,Sadiqa Abbas ,Sonal Bhugra	International Journal of Engineering Research and Applications	2021-22
Review On Thermal Energy Efficiency Using Gypsum Integrated Phase Change Materials In Buildings	Kavita Vaishnav, Gift Pon Lazarus, Sunita Bansal and Yaman Hooda	1st International Conference on Construction Materials and Environment	2021-22



Summer Vs Winter Air Pollutants Variation For Year 2019	Shashi Tiwari	1st International Conference on Construction Materials and Environment	2021-22
Sustainable Concrete With Substitute Materials A Review	Sunita Bansal and Anjali Gupta	TRACE	2021-22
Valuation of Strength Properties of Gypsum Based PCM Cement Mortar	Gift Pon Lazarus D, Sunita Bansal	International Journal of Masonry Research and Innovation	2021-22

#### i. Books Chapters: 2021-22

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference
Anjali Gupta	NA	Parametric Strength of Sustainable Concrete Using Fly Ash, GGBS and Recycled Aggregates as Per Taguchi's Approach	Advances in Construction Materials and Sustainable Environment
Anjali Gupta	NA	Benchmarking Civil Engineering Education in India	Lecture Notes in Civil Engineering
Anjali Gupta	NA	Sustainable Concrete with Substitute Materials A Review	Lecture Notes in Civil Engineering
Anjali Gupta	NA	Utilization of Municipal Solid Waste from Okhla Landfill as a Highway Embankment Material	Lecture Notes in Civil Engineering
Gift Pon Lazarus	NA	Review on Thermal Energy Efficiency Using Gypsum Integrated Phase Change Materials in Buildings	Advances in Construction Materials and Sustainable Environment
Kavita Vaishnav	NA	Review on Thermal Energy Efficiency Using Gypsum Integrated Phase Change Materials in Buildings	Advances in Construction Materials and Sustainable Environment
Sadiqa Abbas	NA	A review on heavy metal contamination at mining sites and remedial techniques	IOP Conference Series Earth and Environmental Science

Sadiqa Abbas	NA	Bioremediation of Industrial Wastewater A Review	IOP Conference Series Earth and Environmental Science
Sadiqa Abbas	NA	Assessment of Pavement Surface Quality using TOPSIS Method	IOP Conference Series Earth and Environmental Science
Sonal Bhugra	NA	A review on heavy metal contamination at mining sites and remedial techniques	IOP Conference Series Earth and Environmental Science
Sonal Bhugra	NA	Bioremediation of Industrial Wastewater A Review	IOP Conference Series Earth and Environmental Science
Sonal Bhugra	NA	Assessment of Pavement Surface Quality using TOPSIS Method	IOP Conference Series Earth and Environmental Science
Sunita Bansal	NA	Parametric Strength of Sustainable Concrete Using Fly Ash, GGBS and Recycled Aggregates as Per Taguchi's Approach	Advances in Construction Materials and Sustainable Environment
Sunita Bansal	NA	Review on Thermal Energy Efficiency Using Gypsum Integrated Phase Change Materials in Buildings	Advances in Construction Materials and Sustainable Environment
Sunita Bansal	NA	Benchmarking Civil Engineering Education in India	Lecture Notes in Civil Engineering
Sunita Bansal	NA	Sustainable Concrete with Substitute Materials A Review	Lecture Notes in Civil Engineering
Sunita Bansal	NA	Improving the resource utility in construction sector for sustainable development	Lecture notes in Mechanical Engineering
Yaman Hooda	NA	Parametric Strength of Sustainable Concrete Using Fly Ash, GGBS and Recycled Aggregates as Per Taguchi's Approach	Advances in Construction Materials and Sustainable Environment
Yaman Hooda	NA	Review on Thermal Energy Efficiency Using Gypsum Integrated Phase Change Materials in Buildings	Advances in Construction Materials and Sustainable Environment



Yaman Hooda	IOT and Remote Sensing under Book "Computer Vision and Internet of Things"	NA	NA
Sunita Bansal	Applications of Computational Intelligence in Concrete Technology	Prediction of Ultrasonic Pulse Velocity of Concrete	NA

## 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: 2021-22

Title of paper	Name of all the author/s	Student Authors	Journal/Conference/Book Title
Risk Management by Grid Computing in AWS	Vidushi Singhal, Kanika Khatri, Shefali Singhal	Vidushi Singhal, Kanika Khatri	International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON)
Twitter Sentiment Analysis of India vs Pakistan T20 World Cup Match Using SVM Classifier	Eashaan Sharma, Aryan gaur, Shefali Singhal	Eashaan Sharma, Aryan gaur,	International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON)
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,	International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON)
Face Recognition Techniques and Implementation	Inshita Bamba, Yashika, Jahanvi Singh & Pronika Chawla	Inshita Bamba, Yashika, Jahanvi Singh	IEMIS 2022
A Hybrid approach on Tracking Criminal Investigation and Suspect Prediction	Mridul Wadhwa; Tushar Jha; Bishal Kumar Prasad; Abhishek Bajaj; Lakshya	Mridul Wadhwa; Tushar Jha; Bishal Kumar Prasad;	International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON)

	Nagpal, Deepa Bura	Abhishek Bajaj; Lakshya Nagpal,	
Intelligent approach for network intrusion detection system (NIDS) utilizing machine learning (ML)	Pronika, Shubham Sharma, Naincy Chamoli, Disha Pahuja, Maanya Mocha	Shubham Sharma, Naincy Chamoli, Disha Pahuja, Maanya Mocha	Evolving Predictive Analytics in Healthcare: New AI techniques for real-time interventions
Social Engineering Attacks	Yuvraj singh Saini, Pronika, Lucky Sharma, Sanidhya	Yuvraj singh Saini, Lucky Sharma, Sanidhya	Emerging Technologies in Data Mining and Information Security
Natural Language Processing in Chatbots	Sai Pranav, Mehar Mutreja, Devansh Punj, Pronika	Sai Pranav, Mehar Mutreja, Devansh Punj,	Emerging Technologies in Data Mining and Information Security
Development of Android Applications and Its Security	Haridhay Dham, Tushar, Kunal, Kritika Soni, Pronika	Haridhay Dham, Tushar, Kunal,	Emerging Technologies in Data Mining and Information Security
Security Issues and Vulnerabilities in Web Application	Sitara, Kushagra Jha, Amit Balhara, Pronika	Sitara, Kushagra Jha, Amit Balhara	Next Generation of Internet of Things.
A tour towards the security issues of Mobile Cloud Computing: A survey	Vaibhav Kalra, Dr. Poonam Tanwar, Ms Shweta Sharma	Vaibhav Kalra,	Lecture Notes in Electrical Engineering.
Fake News Detection Techniques: A Survey	Sahitya Diwakar, Poonam Tanwar, Shweta Sharma	Sahitya Diwakar,	Lecture Notes in Electrical Engineering.
Detecting Twitter Hate Speech Using Sentiment Analysis	Arpita Tripathy, Dr. Poonam Tanwar,	Arpita Tripathy	Lecture Notes in Electrical Engineering.
UI-UX Design Using User Centered Design (UCD) Method	Gourisha, Dr. Poonam Tanwar, Ms. Shweta	Gourisha,	Proceeding Of 2022 International Conference on Computer Communication and Informatics
Dark Web in Modern World Theoretical Perspective: A survey	Hardik Gulati1, Dr. Poonam Tanwar, Ms Shweta	Hardik Gulati1	Proceeding Of 2022 International Conference on Computer Communication and Informatics
Analysis Of Graphical Password Systems- Recognition Based GPS AND Recall Based GPS	Chansi Pal, Dr. Poonam Tanwar, Ms. Shweta	Chansi Pal,	Proceeding Of 2022 International Conference on Computer Communication and Informatics
Dynamic Model to Predict The Flattening Of The Covid-19 Outbreak Curve In India	Ashutosh Sharma, Meeta Singh	Ashutosh Sharma	Proceeding of International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON)
Digital Blockchain for Smart Surveillance in Resilient Cities	Harsh Vardhan, Abhimanyu Pathania and Charu Virmani	Harsh Vardhan, Abhimanyu Pathania	SSRN ELSEVIER
Analysis of Hyperledger Fabric Framework using Caliper	Krish Khattar, Dev Mittal, Shobha Tyagi	Krish Khattar, Dev Mittal	JIMS 8i-International Journal of Information, Communication and Computing Technology (IJICT)



Analysis and Comparison of Different Cryptographic Algorithms	Yash aggarwal, Nittan Kumar, Varun Devrani, Poonam Katyal	Yash aggarwal, Nittan Kumar, Varun Devrani	JIMS 8i-International Journal of Information, Communication and Computing Technology (IJICT)
Personality Prediction through questionnaire	Siddharth Bhatt, Yash sharma, Priyanshu Karki, Poonam Katyal	Siddharth Bhatt, Yash sharma, Priyanshu Karki	International Journal Of Advance Research, Ideas And Innovations In Technology
Smart Home Systems Based On The Internet Of Things	Kaluva Srinivasa Reddy, Merugu Dheeraj Kumar, Dr. Vimlesh	Kaluva Srinivasa Reddy, Merugu Dheeraj Kumar	International Journal Of Creative Research Thoughts
Medical diagnosis using artificial neural network	Kunal Mittal, Yashwin Bansal, Shubham Garg, Savita	Kunal Mittal, Yashwin Bansal, Shubham Garg	International Conference on Robotics, Automation & Communication Engineering for Industry 4.0
Network Security And Cryptography	Sachin kumar, Savita	Sachin kumar	International Conference on Robotics, Automation & Communication Engineering for Industry 4.0
""DEEP FAKES"" (Threat and Security: A Review)"	Dolly, Divya, Suraj, Savita	Dolly, Divya, Suraj	International Conference on Robotics, Automation & Communication Engineering for Industry 4.0
Chatbots: Conversation Tool	Yash Mangla, Nikita, Simple Sharma, Poonam Katyal	Yash Mangla, Nikita	International Conference on Robotics, Automation & Communication Engineering for Industry 4.0
Network Security And Cryptography	Gaurav Thakur, Saurav Thakur, Simple Sharma, Poonam Katyal	Gaurav Thakur, Saurav Thakur	International Conference on Robotics, Automation & Communication Engineering for Industry 4.0
Network Virtualization	Gaurav Kumar, Mandeep Nishad, Simple Sharma, Poonam Katyal	Gaurav Kumar, Mandeep Nishad	International Conference on Robotics, Automation & Communication Engineering for Industry 4.0
Basics of Cybercrime	Aditya, Anmol Mittal, Poonam Katyal, Simple Sharma	Aditya, Anmol Mittal	International Conference on Robotics, Automation & Communication Engineering for Industry 4.0
Feasibility Of Hyperloop	Rahul Rawat, Varun Sharma, Simple Sharma, Poonam Katyal	Rahul Rawat, Varun Sharma	International Conference on Robotics, Automation & Communication Engineering for Industry 4.0
Stock Market Price Prediction using Machine Learning	Samir Dutta, Md Zillur Rahman, Simple Sharma, Poonam Katyal	Samir Dutta, Md Zillur Rahman	International Conference on Robotics, Automation & Communication Engineering for Industry 4.0
Machine learning	Anubhav Sharma, Robin, Simple Sharma, Poonam Katyal	Anubhav Sharma, Robin	COM-IT-CON 2022
Fifth Generation Networks - Issues	Udit Tayal, Suraj Bugadel,	Udit Tayal, Suraj Bu	International Conference On Advancements In Electrical Electronics

and Challenges	Bhanu Gussain, Dr. Kamlesh Sharma, Dr. Suresh	gadel, Bhanu Gussain	Communication Computing And Automation, ICAECA 2021
IoT Based Secured Home Automation System using NLP	Satender Kumar, Rohan Raj, Bipin Kumar, Dr. Kamlesh Sharma, Dr. Suresh	Satender Kumar, Rohan Raj, Bipin Kumar	International Conference On Advancements In Electrical Electronics Communication Computing And Automation, ICAECA 2021
Big Social Data Analytics	Paresh Gupta, Shruti Khanduja, Suresh Kumar, Monika, Kamlesh sharma,	Paresh Gupta, Shruti Khanduja, Suresh Kumar	International Conference on Soft Computing for Security Applications (ICSCS 2021)
Evaluation of Eye Blink detection techniques for drowsy drivers	Ananya Khurana, Vanshika Bohra, Yanshee Sharma, Suresh Kumar, Savita Sindhu, Monica Dass and Kamlesh Sharma	Ananya Khurana, Vanshika Bohra, Yanshee Sharma	Com-it-con 2022
Comparative Analysis of Various Load Balancing Techniques in Cloud Environment	Shaik Muhammad Irfan, Harsh Bisen, Dheeraj Kumar, Hemant Rathore, Suresh Kumar and Kamlesh Sharma	Shaik Muhammad Irfan, Harsh Bisen, Dheeraj Kumar, Hemant Rathore	Com-it-con 2022
Novelty Detection in Text Document using Long Short Term Memory,	Shalini Ranjan, Supriya P.Panda,	Shalini Ranjan	International Journal Of Engineering Research & Technology (Ijert),
Cloud Security Challenges and Issues	Poonam Kumari, Meeta Singh	Poonam Kumari	Review of International Geographical Education Online
Different Challenges in Energy- Efficient Cloud Security: A Brief Review	Poonam Kumari, Meeta Singh	Poonam Kumari	Research Developments in Science and Technology

**b. Students benefited by career counseling and guidance for competitive Examinations: 2021-22**

Activity Description	No. of Participants
Career Guidance in Cloud System and Technologies	102
Career Prospects in Artificial Intelligence: The Present and Future	45
Session on Cyber Awareness Logout: Future Prospects	97
GATE Classes for computer Science Engineering Students	80

**c. Student progression to higher education during the year: 2021-22**

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Amisha Seth	B.Tech-Computer	La Trobe University	Master of Data Science



	Science and Engineering		
Rishika Kaim	B.Tech-Computer Science and Engineering	DAV College for Women	PGD
Udit Oberai	B.Tech-Computer Science and Engineering	Jaypee Inst of Information Tech.	MBA
Sunit Basak	B.Tech-Computer Science and Engineering	RMIT University, Melbourne	MIT
Chitrangad Tomar	B.Tech-Computer Science and Engineering	Manav Rachna International Institute of Research and Studies, Haryana	M.Tech
Divyansh Dixit	B.Tech-Computer Science and Engineering	Carl VON OSSIETZKY Universitat	MS
Ishakshi Gupta	B.Tech-Computer Science and Engineering	Indira Gandhi Delhi Technical University for Women, Delhi	M.Tech
Prayush Palak	B.Tech-Computer Science and Engineering	Institute of Management Technology, Ghaziabad, U.P.	MBA
Perna Thanua	B.Tech-Computer Science and Engineering	Indira Gandhi Delhi Technical University for Women, Delhi	M.Tech
Priyanka	B.Tech-Computer Science and Engineering	Om Sterling Global University	M.Tech
Ridhima Jain	B.Tech-Computer Science and Engineering	Shiv Nadar University, Harana	MBA
Shubham Sharma	B.Tech-Computer Science and Engineering	Georgian College, Ontario, Canada	BDAT

#### d. Faculty members: Awards & Recognitions: 2021-22

Name of Faculty Member	Awards/Recognition
Poonam Tanwar	Recognition as Invited session Chair for 3rd International Conference on Smart and Intelligent Learning for Information Optimization (CONSILIO – 2021) (10-07-2021)
Poonam Tanwar	Uttam Adhyapika Award (05-09-2021)
Indu Kashyap	Recognition as Invited Guest Speaker to deliver session on "Data Visualization with

	Tableau" at Maharaja Surajmal Institute, IP University. (29-06-2021)
Meeta Singh	Recognition for grant of patent: A System And Method For Predicting Secure And Safe Route For Women Using Navigation Maps (14-07-2021)
Poonam Chahal/Nandal	Recognition for grant of patent: A System And Method For Predicting Secure And Safe Route For Women Using Navigation Maps (14-07-2021)
Deepa Bura	Recognition for grant of patent: A System And Method For Predicting Secure And Safe Route For Women Using Navigation Maps (14-07-2021)
Srishty Jindal	Recognition for grant of patent: A System And Method For Predicting Secure And Safe Route For Women Using Navigation Maps(14-07-2021)
Mohit Chowdhary	Recognition for publishing patent: A System And Method For Predicting Secure And Safe Route For Women Using Navigation Map (15-09-2021)
Poonam Tanwar	Certificate of Appreciation as a Coordinator for organizing AICTE Sponsored One Week FDP Programme on Industry 4.0(19-11-2021)
Poonam Tanwar	Recognition for Patent Granted: Novel Covid Umbrella System And Method For Maintaining Physical Distance To Prevent Covid-19 Transmission (11-05-2022)
Poonam Tanwar	Recognition as Editor for International Journal of Recent Patent on Engineering: Advances and Innovation in Digital Technologies (March 2022)
Poonam Tanwar	Certificate of Appreciation as an evaluator for AICTE Programme, Manthan (08-12-2021 to 10-12-2021)
Kamlesh Sharma	Active SPOC MRIIRS NPTEL (Jan-April 2022)
Kamlesh Sharma	Certificate of Appreciation as an evaluator for AICTE Programme, Manthan (08-12-2021 to 10-12-2021)
Kamlesh Sharma	Certificate of Jury, Toycathon 24-05-2022 to 26-06-2022
Simple Sharma	Certificate of Appreciation as an evaluator for MANTHAN, a National Level Hackathon
Simple Sharma	Contribution as Judge in Toycathon-2022, Physical Edition (24-05-2022)
Rosy Madaan	Editor for International Journal of Recent Patent on Engineering published in: Advances and Innovation in Digital Technologies March 2022
Sunita Joshi	Recognition for publishing patent: Machine Learning Analytics for Specialized stock trading (20-01-2022)
Sunita Joshi	Recognition for publishing patent: Intelligent Electricity Utilization Management System (15-02-2022)

#### e. FDPs attended by Faculty Members: 2021-22

Name of Faculty Member	Title	Date from	Date to
Brijesh Kumar	FDP on Emerging and Innovative approach in Management, IT and Communication in Teaching and Research	09-06-2022	15-06-2022
Charu Virmani	FDP on Effective Teaching Learning using Social Media by recognised	06-06-2022	10-06-2022
Deepa Bura	STTP-Emerging Research Areas in BDA	26-07-2021	31-07-2021
Deepa Bura	ATAL FDP on Recent trends in Upstream Petroleum Technology	07-03-2022	11-03-2022
Indu Kashyap	ATAL Online FDP on Advanced Business Analytics	26-07-2021	30-07-2021
Kamlesh Sharma	ATAL FDP on Cyber Security Ethical Hacking and Cyber Crime	12-07-2021	16-07-2021



Kamlesh Sharma	ATAL FDP on Research Trends in Computer Vision and Natural Language Processing	19-07-2021	23-07-2021
Kamlesh Sharma	AICTE on STC on Artificial Intelligence and Big Data Analysis for Electrical Engineering( In Collaboration With Math Works) through ICT	07-03-2022	11-03-2022
kritikasoni	FDP on SciLab Programming Recognised by AICTE	25-04-2022	29-04-2022
Madhumita Panda/Kathuria	FDP on Big Data Analytics	20-09-2021	24-09-2021
Manisha Vashisht	"ATAL - FDP on Industry 4.0: Digitization, Sensorization& Optimization"	15-11-2021	19-11-2021
Manisha Vashisht	FDP on "Leadership Mastery Through Self-Management"	27-12-2021	31-12-2021
Manisha Vashisht	Online Workshop on " Java + Android"	20-09-2021	25-09-2021
Manisha Vashisht	FDP on Shaping a Data Science Curriculum	09-08-2021	13-08-2021
Manisha Vashisht	FDP on 5G Communication & its Application recognised by AICTE	23-05-2022	27-05-2022
Meeta Singh	FDP-Internet of Things	13-09-2021	21-09-2021
Meeta Singh	STTP-Emerging Research Areas in BDA	26-07-2021	31-07-2021
Meeta Singh	ATAL FDP on Internet of Things recognised by AICTE	13-09-2021	17-09-2021
Meeta Singh	AICTE Sponsored Online STTP on Emerging Research Areas in Big Data Computing	26-07-2021	31-07-2021
Monika Garg/Goyal	"FDP on Industry 4.0: Digitization, Sensorization& Optimization"	15-11-2021	19-11-2021
Monika Garg/Goyal	FDP on Recent trends and advancements in ANN and Deep Learning for real time applications	20-12-2021	24-12-2021
Monika Garg/Goyal	FDP on Shaping a Data Science curriculum	09-08-2021	13-08-2021
Monika Garg/Goyal	ATAL FDP on Industry 4.0: Digitization, Sensorization& Optimization	15-11-2021	19-11-2021
Monika Garg/Goyal	ATAL FDP on Recent trends and advancements in ANN and Deep learning for Real time applications	20-12-2021	24-12-2021
Monika Garg/Goyal	AICTE STC on Artificial Intelligence and Big data Analysis for Electrical Engineering through ICT	07-03-2022	11-03-2022

Neha Batra / Gadhok	FDP on Effective Teaching Learning using Social Media recognised by AICTE	06-06-2022	10-06-2022
Neha Garg	ATAL FDP on Wearable Devices	17-01-2022	21-02-2022
Nitasha Soni	"FDP on Industry 4.0: Digitization, Sensorization& Optimization"	15-11-2021	19-11-2021
Nitasha soni	International Entrepreneurship Summit AVLOKAN 2.0 2022 titled Beyond Sustainability – Trends in Regenerative, Socially Responsible, Community Ventures	10-01-2022	22-01-2022
Pinki Sagar	STC on Artificial Intelligence and Big Data Analysis for Electrical Engineering (in Collaboration with MathWorks) through ICT recognised by AICTE	07-03-2022	11-03-2022
Poonam Chahal/Nandlal	STTP-Emerging Research Areas in BDA	26-07-2021	31-07-2021
Poonam Chahal/Nandlal	ATAL FDP on Internet of Things recognised by AICTE	13-9-2021	17-09-2021
Poonam Chahal/Nandlal	AICTE Sponsored Online STTP on Emerging Research Areas in Big Data Computing	26-07-2021	31-07-2021
Poonam Chahal/Nandlal	ATAL FDP on Data Science recognised by AICTE	21-02-2022	25-02-2022
Poonam Katyal	FDP on Leadership for Academicians Programme (LEAP) recognised by AICTE	13-06-2022	17-06-2022
Poonam Tanwar	ATAL FDP on Artificial intelligence	21-09-2021	25-09-2021
Poonam Tanwar	STC on Artificial Intelligence and Big Data Analysis for Electrical Engineering (In collaboration with Mathworks through ICT recognised by AICTE	07-03-2022	11-03-2022
Prashant Dixit	FDP on SciLab Programming Recognised by AICTE	25-04-2022	29-04-2022
Prashant Dixit	FDP on 5G Communication and its application recognised by AICTE	23-05-2022	27-05-2022
Prashant Dixit	One Week Virtual Workshop Full Stack Development	21-02-2022	26-02-2022
Pronika Chawla	"FDP on Industry 4.0: Digitization, Sensorization& Optimization"	15-11-2021	19-11-2021
Pronika Chawla	FDP on Shaping a Data Science curriculum	09-08- 2021	13-08-2021
Pronika Chawla	International Conference on communication and Electronics Systems(ICCSE 2021)	08-07-2021	10-07-2021
Pronika Chawla	STTP on Big Data	08-08-2021	09-08-2021
Pronika Chawla	FDP on Effective Academic Practices	10-01-2022	14-01-2022



Pronika Chawla	FDP on 5G Communications and its Applications recognised by AICTE	23-05-2022	27-05-2022
Pronika Chawla	FDP on SciLab Programming Recognised by AICTE	25-04-2022	29-04-2022
Pronika Chawla	AICTE on STC on Artificial Intelligence and Big Data Analysis for Electrical Engineering( In Collaboration With Math Works) through ICT	07-03-2022	11-03-2022
Pronika Chawla	ATAL FDP on Industry 4.0: Digitization, Sensorization& Optimization	15-11-2021	19-11-2021
Rachna Behl	FDP on Effective Teaching Learning using Social Media recognised by AICTE	06-06-2022	10-06-2022
Rachna Behl	FDP on Intellectual Property Rights & Patenting in India recognised by AICTE	13-06-2022	17-06-2022
Ranjeeta Mittal	FDP on 5G Communication and its Applications recognised by AICTE	23-05-2022	27-05-2022
Rashima Mahajan	FDP on Data Science for IoT	09-10-2021	13-10-2021
Rashima Mahajan	NPTEL FDP Certification on Accreditation and Outcome based learning	26-07-2021	25-09-2021
Rashima Mahajan	NPTEL Certification Course on Accreditation and Outcome Based Learning	01-07-2021	01-09-2021
Rashima Mahajan	FDP on NEP 2020 Implementation in Higher Education Institutes recognised by AICTE	09-05-2022	13-05-2022
Rashima Mahajan	FDP on Leadership for Academicians Programme (LEAP) recognised by AICTE	13-06-2022	17-06-2022
Romisha Arora	FDP on SciLab Programming Recognised by AICTE	25-04-2022	29-04-2022
Romisha Arora	FDP on Leadership for Academicians Programme (LEAP) recognised by AICTE	13-06-2022	17-06-2022
Romisha Arora	FDP on SciLab Programming Recognised by AICTE	25-04-2022	29-04-2022
Rosy Madaan	"FDP on Industry 4.0: Digitization, Sensorization& Optimization"	15-11-2021	19-11-2021
Rosy Madaan	STC on Artificial Intelligence and Big Data Analysis for Electrical Engineering (in Collaboration with MathWorks) through ICT recognised by AICTE	07-03-2022	11-03-2022
Savita	FDP on Design Thinking for Manufacturing Excellence	06-09-2021	10-09-2021
Savita	"FDP on Industry 4.0: Digitization, Sensorization& Optimization"	15-11-2021	19-11-2021

Savita	FDP on 5G Communications and its Applications recognised by AICTE	23-05-2022	27-05-2022
Savita	FDP on SciLab Programming Recognised by AICTE	25-04-2022	29-04-2022
Savita	FDP on VLSI Devices and Circuits for AI Applications recognised by AICTE	19-09-2022	23-09-2022
Shefali Singhal	ATAL FDP on Industry 4.0: Digitization, Sensorization & Optimization Human Centre Computing Engineering	15-11-2021	19-11-2021
Shefali Singhal	FDP on Intellectual Property Rights & Patenting in India recognised by AICTE	13-06-2022	17-06-2022
Shobha Tyagi	"FDP on Industry 4.0: Digitization, Sensorization & Optimization"	15-11-2021	19-11-2021
Shobha Tyagi	FDP on SciLab Programming	25-04-2022	29-04-2022
Shobha Tyagi	FDP on Blockchain & its Applications	13-06-2022	17-06-2022
Shweta Mongia	FDP on Advanced Technologies for Societal Changes: A 360-degree view	22-11-2021	26-11-2021
Shweta Mongia	FDP on Data Science	20-12-2021	24-12-2021
Shweta Mongia	STC on Artificial Intelligence and Big Data Analysis for Electrical Engineering (in Collaboration with MathWorks) through ICT recognised by AICTE	07-03-2022	11-03-2022
Shweta Mongia	FDP on Intelligent computing and communications organised by Centre for Artificial Intelligence	21-03-2022	26-03-2022
Shweta Sharma (CSE)	"FDP on Industry 4.0: Digitization, Sensorization & Optimization"	15-11-2021	19-11-2021
Shweta Sharma (CSE)	FDP on Data Analytics and Machine Learning Using Python	12-07-2021	16-07-2021
Shweta Sharma (CSE)	AICTE on STC on Artificial Intelligence and Big Data Analysis for Electrical Engineering (In Collaboration With Math Works) through ICT	07-03-2022	11-03-2022
Shweta Sharma (CSE)	FDP on SciLab Programming Recognised by AICTE	25-04-2022	29-04-2022
Simple Sharma	FDP on SciLab Programming Recognised by AICTE	25-04-2022	29-04-2022
Simple Sharma	Coursera Online Course Using Databases with Python	09-12-2021	09-01-2022
Sunita Joshi	Faculty Development Programme on Machine Learning for Internet of Things	03-01-2022	08-01-2022



Sunita Joshi	AICTE sponsored online STTP on BlockChain Technology & Networks	07-03-2022	11-03-2022
Sunita Joshi	Faculty Development Programme on Effective Academic Practices	10-01-2022	14-01-2022
Sunita Joshi	FDP on STC on OBE and NBA Accreditation recognised by AICTE	23-05-2022	27-05-2022
Supriya P. Panda	FDP on Contemporary Advances in sustainable infrastructure	02-08-2021	06-08-2021
Supriya P. Panda	ATAL FDP on Contemporary Advances in sustainable and Integrated Infrastructure	02-08-2021	06-08-2021
Supriya P. Panda	ATAL Academy Online Elementary FDP on Quantum Artificial Intelligence	27-05-2021	28-05-2021
Tapas Kumar	Ten Days FDP on Applied Deep Learning in Healthcare Data Analysis	09-05-2022	23-05-2022
Tapas Kumar	FDP on Applied Machine learning, AI & its application using Python	18-04-2022	02-05-2022

#### f. Events Organised: 2021-22

Title	Date From	Date To
One-week online Faculty Development Program on Industry 4.0 Digitization, Sensorization & Optimization-Professional Development Program for teaching staff	15-11-2021	19-11-2021
International Conference on two-day IEEE International Conference on "Machine Learning, Big Data, Cloud & Parallel Computing: Trends, Perspectives, and Prospects" (Com-IT-Con-2022)	26-05-2022	27-05-2022

#### g. Faculty Research Papers: 2021-22

Title of paper	Name of the author/s	Name of journal	Year of publication
A Review of Indian Soils and Detection of Key features of Fruits production using K-Means Clustering	Meenakshi, Deepa Bura	NeuroQuantology	2021-22
An enhanced hybridized approach for group recommendation via reliable ratings	Indu Kashyap	Indonesian Journal of Electrical Engineering and Computer Science This link is disabled, 2022, 27(1), pp. 413–421	2021-22
Automatic video censoring system using deep learning	Poonam Tanwar	International Journal of Electrical and computer Engineering	2021-22
Big Data Analytics for MANET Based Sustainable Smart Healthcare Solution	Ashu Gautam & Rashima Mahajan	Recent Advances in Computer Science and Communications	2021-22

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,	2021-22
Development and performance evaluation of object and traffic light recognition model by way of deep learning	Shweta Bali, Tapas Kumar, Shyam Sunder Tyagi	Indonesian Journal of Electrical Engineering and Computer Science	2021-22
Energy Consumption Analysis of Iot-Manet Based Systems with Anova Assessment for Tackling Covid-19	Ashu Gautam & Rashima Mahajan	Journal of Management and Technology	2021-22
Improving document classification using domain-specific vocabulary: hybridization of deep learning approach with TFIDF	Indu Kashyap	International Journal of Information Technology (Singapore), 2022,	2021-22
Medical Image Enhancement: A Review	Ashu Gautam & Rashima Mahajan	Journal of Electrical Systems	2021-22
Pattern recalling analysis of an auto associative memory network using FFT and DWT	Dr Ramesh ch Sahoo	Multimedia tools and applications, Springer	2021-22
Performance analysis of cooperative spectrum sensing using double dynamic threshold	Neha, Rashima Mahajan	IAES International Journal of Artificial Intelligence	2021-22
Performance Analysis of Hybrid Protocol Under Distributed Denial of Service Attack in Remote Healthcare Systems	Ashu Gautam & Rashima Mahajan	Recent Advances in Computer Science and Communications	2021-22

#### h. Book Chapters: 2021-22

Name of the Author	Title of the book/chapters published	Title of the Paper	Title of the Proceedings of the Conference /
Brijesh Kumar	NA	Traffic Sign Recognition Using Multi-layer Color Texture and Shape Feature Based on Neural Network Classifier	Lecture Notes in Networks and System
Brijesh Kumar	NA	Implementation of Artificial Neural Network for Image Recognition Using Chinese Traffic Sign Image Dataset	Lecture Notes in Networks and System



Charu Virmani	NA	Internet of Things and Cyber Physical System An Insight	Studies in System, Decision and Control
Deepa Bura	Enhancing Information Retrieval System Using Change-Prone Classes	NA	Critical approaches to Information retrieval research
Deepa Bura	NA	Mining of Association Rules in R Using Apriori Algorithm	Lecture Notes in Electrical Engineering
Deepa Bura	Emerging Trends of Big Data in Cloud Computing	NA	Applications of Big Data in Large- and Small-Scale System
Dhaneshwar Singh	NA	Cloud and mobile computing The age of virtual internet space	Journal of Physics Conference Series
Indu Kashyap	NA	Empirical analysis of regression techniques by house price and salary prediction	IOP Conference Series Materials Science and Engineering
Indu Kashyap	NA	Real Estate Price Prediction Model	Proceedings - 2021 3rd International Conference on Advances in Computing, Communication Control and Networking, ICAC3N 2021
Indu Kashyap	NA	A unified probabilistic factor model with social regularization for point of interest recommendation	Materials Today Proceedings
Kamlesh Sharma	NA	Fifth Generation Networks - Issues and Challenges	2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation, ICAECA 2021
Kamlesh Sharma	NA	IoT Based Secured Home Automation System Using NLP	2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation, ICAECA 2021
Kamlesh Sharma	Review of Data Mining Techniques Used in Healthcare	NA	Diagnostic Applications of Health Intelligence and Surveillance System, IGI Global
Krishan Kumar	NA	Machine Learning Based Movie Recommendation System	2021 IEEE 8th Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering, UPCON 2021
Kritika Soni	NA	Big Social Data and Modeling Frameworks	Proceedings - International Conference on Artificial Intelligence and Smart System, ICAIS 2021

Kritika Soni	NA	Security Issues and Architecture of IOT	Proceedings - International Conference on Artificial Intelligence and Smart System, ICAIS 2021
Kritika Soni	NA	The Urgency of Cyber Security in Secure Networks	5th International Conference on Intelligent Computing and Control System (ICICCS)
Kritika Soni	NA	Cyber Security in Digital Sector	International Conference on Artificial Intelligence and Smart System (ICAIS)
Kritika Soni	NA	Big Social Data and Modeling Frameworks	International Conference on Artificial Intelligence and Smart System (ICAIS)
Madhumita Kathuria	NA	Study on Blockchain Scalability Solutions	Thirteenth International Conference on Contemporary Computing (IC3-2021)
Manisha Vashisht	NA	Traffic Sign Recognition Using Multi-layer Color Texture and Shape Feature Based on Neural Network Classifier	Lecture Notes in Networks and System
Manisha Vashisht	NA	Implementation of Artificial Neural Network for Image Recognition using Chinese Traffic Sign Image Dataset	ICNGIoT-2021
Meeta Singh	NA	A Review Different Challenges in Energy-Efficient Cloud Security	IOP Conference Series Earth and Environmental Science
Meeta Singh	Emerging Trends of Big Data in Cloud Computing	NA	Applications of Big Data in Large- and Small-Scale System
Monika	NA	Digital Image Forensic based on Machine Learning approach for Forgery Detection and Localization	Journal of Physics Conference Series
Monika Garg	NA	Image Classification Using Convolutional Neural Networks	Communications in Computer and Information Science
Monika Garg	NA	Feature Selection Using Ensemble Techniques	Communications in Computer and Information Science
Neha Batra	NA	Impact of Fractal Musical Signals on the Human Brain A Proposed EEG Study	International Conference and Workshop on Computing and Communication
Nitasha Soni	NA	Machine Learning Based Movie Recommendation System	2021 IEEE 8th Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering, UPCON 2021



Nitasha Soni	Data driven Approach Towards Disruptive Technologies	NA	Object Detection in Image Using Components of Convolutional Neural Network and YOLO
Poonam Nandal	Emerging Trends of Big Data in Cloud Computing	NA	Applications of Big Data in Large- and Small-Scale System
Poonam Rani	NA	A Review Different Challenges in Energy-Efficient Cloud Security	IOP Conference Series Earth and Environmental Science
Poonam Tanwar	NA	Intelligence Embedded Image Caption Generator using LSTM based RNN Model	Proceedings of the 6th International Conference on Communication and Electronics System, ICCES 2021
Poonam Tanwar	Deep Natural Language Processing and AI Applications for Industry 5.0	NA	NA
Poonam Tanwar	NA	The challenges and Issues with Virtualization in Cloud Computing	Proceedings of the 5th International Conference on Trends in Electronics and Informatics, ICOEI 2021
Poonam Tanwar	NA	Tour towards the security Challenges of Virtualization in Cloud Computing: A Survey	Proceedings of the 5th International Conference on Trends in Electronics and Informatics, ICOEI 2021
Poonam Tanwar	Computational Intelligence & Predictive Analysis for Medical Science.	NA	NA
Poonam Tanwar	NA	Tour towards the security Challenges of Virtualization in Cloud Computing: A Survey	5th International Conference on Trends in Electronics and Informatics (ICOEI 2021)"
Poonam Tanwar	NA	Deep Learning technique for detection of Autism Spectrum	International Conference of Data Analytics & Management (ICDAM-2021)
Poonam Tanwar	NA	Intelligence Embedded Image Caption Generator using LSTM based RNN Model	International Conference on Communications and Electronics System

Pronika Chawla	NA	Secure Data Storage in Cloud Using Encryption Algorithm	ICICV, 2021
Pronika Chawla	NA	Perception of IOT Application and Challenges	Proceedings of the 6th International Conference on Communication and Electronics System, ICCES 2021
Pronika Chawla	NA	The urgency of cyber security in secure networks	Proceedings - 5th International Conference on Intelligent Computing and Control System, ICICCS 2021
Pronika Chawla	NA	Blockchain based cryptocurrency scope in India	Proceedings - 5th International Conference on Intelligent Computing and Control System, ICICCS 2021
Pronika Chawla	NA	Data mining in Cloud Computing	Proceedings - 5th International Conference on Computing Methodologies and Communication, ICCMC 2021
Pronika Chawla	NA	Big Social Data and Modeling Frameworks	Proceedings - International Conference on Artificial Intelligence and Smart System, ICAIS 2021
Pronika Chawla	NA	Security Issues and Architecture of IOT	Proceedings - International Conference on Artificial Intelligence and Smart System, ICAIS 2021
Pronika Chawla	NA	An Analysis and Comparative Study of Data Deduplication Scheme in Cloud Storage	Lecture Notes in Networks and System
Pronika Chawla	NA	Cyber Security in Digital Sector	International Conference on Artificial Intelligence and Smart System (ICAIS)
Pronika Chawla	NA	Big Social Data and Modeling Frameworks	International Conference on Artificial Intelligence and Smart System (ICAIS)
Pronika Chawla	NA	Data mining in Cloud Computing	5th International Conference on Computing Methodologies and Communication (ICCMC)
Pronika Chawla	NA	Exploring and Analyzing Dark Web	Proceedings of the International Conference on Innovative Computing & Communication
Rachna Behl	NA	A unified probabilistic factor model with social regularization for point of interest recommendation	Materials Today Proceedings



Rashima Mahajan	NA	Spectrum Sensing Techniques in Cognitive Radio Networks Challenges and Future Direction	Lecture Notes in Electrical Engineering
Rashima Mahajan	NA	Investigation of DDoS Attacks Influence on Steering Data in Mobile E-healthcare Sector	Lecture Notes in Networks and System
Rashima Mahajan	NA	DDoS attacks impact on data transfer in IOT-MANET-based e-healthcare for tackling COVID-19	Lecture Notes on Data Engineering and Communications Technologies
Rashima Mahajan	NA	QoS Optimization in Internet of Medical Things for Sustainable Management	Studies in System, Decision and Control
Rashima Mahajan	NA	Medical Image Enhancement: A Review	International Conference on Data Science and Applications (ICDSA 2021)
Ritika Bateja	NA	Evaluation and Application of Clustering Algorithm in Healthcare Domain Using Cloud Services	Second International Conference on Sustainable Technologies for Computational Intelligence
Rosy Madaan	NA	Cloud and mobile computing The age of virtual internet space	Journal of Physics Conference Series
Rosy Madaan	NA	Image Classification Using TensorFlow	Proceedings - International Conference on Artificial Intelligence and Smart System, ICAIS 2021
Rosy Madaan	NA	Optimized sequential model for plant recognition in Keras	IOP Conference Series Materials Science and Engineering
Rosy Madaan	NA	NA	Diagnostic Applications of Health Intelligence and Surveillance System, IGI Global
Seema Verma	NA	A Blockchain-based Secure Car Hiring System	ICCSDF 2021
Shefali Singhal	NA	Recommender System in E-commerce and their Challenges	Proceedings - 2021 3rd International Conference on Advances in Computing, Communication Control and Networking, ICAC3N 2021
Shefali Singhal	NA	Security Challenges in Mobile Cloud Computing	Proceedings - 2021 3rd International Conference on Advances in Computing, Communication Control and Networking, ICAC3N 2021

Shobha Tyagi	NA	Study on blockchain scalability solutions	ACM International Conference Proceeding Series
Shweta Sharma	NA	The challenges and Issues with Virtualization in Cloud Computing	Proceedings of the 5th International Conference on Trends in Electronics and Informatics, ICOEI 2021
Shweta Sharma	NA	TOUR towards the SECURITY CHALLENGES of VIRTUALIZATION in CLOUD COMPUTING: A SURVEY	Proceedings of the 5th International Conference on Trends in Electronics and Informatics, ICOEI 2021
Shweta Sharma	NA	TOUR towards the Security Challenges of Virtualization in Cloud Computing: A Survey	5th International Conference on Trends in Electronics and Informatics (ICOEI 2021)*
Supriya P Panda	NA	Cloud and mobile computing The age of virtual internet space	Journal of Physics Conference Series
Supriya P Panda	NA	Image Classification Using Tensor Flow	Proceedings - International Conference on Artificial Intelligence and Smart System, ICAIS 2021
Supriya P Panda	NA	Empirical analysis of regression techniques by house price and salary prediction	IOP Conference Series Materials Science and Engineering
Supriya P Panda	NA	Free Services - A Threat to Privacy Ensuring a Safe Online Presence using Chrome Browser Extension	Proceedings - 2021 3rd International Conference on Advances in Computing, Communication Control and Networking, ICAC3N 2021
Supriya P Panda	NA	Feature Selection or Email Phishing Detection Using Machine Learning (Book Chapter)	International Conference on Innovative Computing and Communications
Suresh Kumar	NA	Design and Analysis of a Chat Bot with IPL First Inning Score Prediction	2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation, ICAECA 2021
Suresh Kumar	NA	Fifth Generation Networks - Issues and Challenges	2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation, ICAECA 2021
Suresh Kumar	NA	IoT Based Secured Home Automation System Using NLP	2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation, ICAECA 2021
Veena Tayal	NA	Mining public opinion on plastic ban in India	Advances in Intelligent System and Computing



Bura, D., Singh, M., ndal, P., Khura, P.	NA	Efficient Hybrid Technique for Devanagari Numerals Recognition	International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON)
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
Unti Tyagi, Vly 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	International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON), 26-27 May 2022
Inshita Bamba, Yashika, Jahanvi Singh & Pronika Chawla	NA	Face Recognition Techniques and implementation	International Conference on Emerging Technologies in Data Mining and Information Security
Deepa Bura; Meeta Singh; Poom ndal; Pooja Khura	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 gpal, 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, Poom 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
Rach 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

Vanda Kalra, Indu Kashyap	NA	Effect of Ensembling over K-fold Cross-Validation with Weighted K-Nearest Neighbour 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 Algorithm in Predicting Pulmonary diseases	International Conference on Machine Learning, Big Data, Cloud and Parallel Computing, COM-IT-CON 2022,
Ranjeeta Mittal, Shweta Mongia, Urvashi Chugh	NA	Machine Learning Techniques Towards Efficient Occupancy Detection for Industrial Urban Spaces	International Conference on Machine Learning, Big Data, Cloud and Parallel Computing, COM-IT-CON 2022,
Pronika	Social Engineering Attacks, Emerging Technologies in Data Mining and Information Security	NA	NA
Pronika	Natural Language Processing in Chatbots Emerging Technologies in Data Mining and Information Security	NA	NA
Pronika	Development of Android Applications and Its Security- Emerging Technologies in Data Mining and Information Security	NA	NA
Pronika	Security Issues and Vulnerabilities in Web	NA	NA



	Application- Next Generation of Internet of Things.		
. krishan, Charu Rohila	NA	Traffic Congestion Control System Using Machine Learning	NA
Bura, D., Singh, M., ndal, P., Khura, P.	NA	Efficient Hybrid Technique for Devanagari Numerals Recognition	International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON)
Aastha Budhiraja, Kamlesh Sharma	NA	Correlation of Language Processing and Learning Techniques for Legal Support System	2022 International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON)

## 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: 2021-22

Title of paper	Name of all the author/s	Student Authors	Journal / Conference / Book Title
Design of THz Low Pass Filter using Split ring resonator	Joy singh, Sudhanshu kumarjha, Dr. Y. K. Awasthi	Joy singh, Sudhanshu kumarjha	Elsevier, Optik

Analysis of Electric Vehicles	Arshita Madan, Ishika, Yash Bhardwaj, Dr. Abhiruchi Passi	Arshita Madan, Ishika, Yash Bhardwaj	International Journal of Engineering Research Updates
Sensor Based Automated Irrigation System Using IOT	Ashutosh vats, Parv kukreja, Mansi, Dr. Jyoti Verma	Ashutosh vats, Parv kukreja, Mansi	Proceedings of the 16th INDIACom; INDIACom-2022; IEEE Conference ID: 545972022 9th International Conference on "Computing for Sustainable Global Development", 23rd-25th March, 2022 Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA)
IOT Security with Blockchain	Abhinav kumar, Divyansh Dixit, Anish Raj, Dr. Geeta Nijhawan	Abhinav kumar, Divyansh Dixit, Anish Raj	YMER Digital
Cyber security frameworks	Arunabh singh, Suraj kumarsingh, Krishna gullapalli, Aayush soni, Dr. Vimlesh Singh	Arunabh singh, Suraj kumarsingh, Krishna gullapalli, Aayush soni	International Journal for Research in Applied Science and Engineering Technology (IJRASET)
Android Security and Comparative Analysis of Static Malware Detection Techniques	Gargi shodangi, Satender Kumar, Rohan Raj, Bipin Kumar	Gargi shodangi, Satender Kumar, Rohan Raj, Bipin Kumar	Com-IT-Con-2022

**b. Students benefited by career counseling and guidance for competitive Examinations: 2021-22**

Activity Description	No. of Participants
Career Prospects on "Current Industry Trend and Requirements"	42
GATE Classes for Electronics and Communication Students	8
Career Progression Webinar on "Road Ahead for Electronics Engineers"	29
Elementary classes for Competitive Exams/ Placements	7
Career prospects on current industry trend and requirements	42

**c. Events Organised: 2021-22**

Title	From Date	To Date
Train the Trainer Program on Solar RoofTop Design (Online Mode)-Professional Development Program for teaching and non-teaching staff	08-11-2021	12-11-2021



Train the Trainer Program on Solar Rooftop Design (Offline Mode)-Professional Development Program for teaching and non-teaching staff	13-11-2021	14-11-2021
STC (Short term course) on 5G COMMUNICATION & ITS APPLICATION in association with NITTTR Chandigarh	23-05-2022	27-05-2022

#### d. Faculty members: Awards & Recognitions: 2021-22

Name of Faculty Member	Awards/Recognition
Vimlesh Singh	Recognition as Invited Speaker to deliver talk on Publication Misconduct in 14 days E-Refresher Course on Research and Publications Ethics (27-06-2021)
Vimlesh Singh	Recognition as Invited session Chair in International Women Summit on theme Women Empowerment (08-08-2021)
Yogendra Kumar Awasthi	Recognition for publishing patent: Compact Planar Superwide band Equal Power Divider / Combiner For Rf & Microwave Applications (27-08-2021)
Yogendra Kumar Awasthi	Recognition for publishing patent: Microwave Sensing Device For Dielectric Characterization Of Materials (27-08-2021)
Geeta Nijhawan	Recognition as Faculty Coordinator in In Toycathon (24-5-2022 to 25-05-2022)
Abhiruchi Passi	Recognition as Faculty Coordinator in organizing MANTHAN, a National Level Hackathon (08-12-2021 to 10-12-2021)
Abhiruchi Passi	Recognition as Judge in Toycathon, Physical Edition(24-05-2022 to 25-05-2022)
Abhiruchi Passi	Recognition as Faculty Coordinator in Smart India Hackathon-2022
Pratima Manhas	Recognition as Jury Member Award in Toycathon (24-05-2022 to 25-05-2022)
Pratima Manhas	Certificate in Excellence in Reviewing (06-01-2022)
Pratima Manhas	Recognition as Judge in the IDEATHON 2022(18-02-2022 to 19-02-2022)
Yogendra Kumar Awasthi	Recognition as Jury Member in Smart India Hackathon-2022 (25-05-2022)
Yogendra Kumar Awasthi	Recognition as Jury Member award in Toycathon (24-05-2022 to 25-05-2022)
Vimlesh Singh	Recognition as Faculty Coordinator in Smart India Hackathon-2022
Vimlesh Singh	Expert Talk in NITTTR Chandigarh in STC on Energy Harvesting & Storage Material & Devices on 13-09-2022 in Online mode
Vimlesh Singh	Recognition as Faculty Coordinator in In Toycathon (24-05-2022 to 25-05-2022)
Vimlesh Singh	Recognition as Faculty Coordinator in organizing MANTHAN, a National Level Hackathon (08-12-2021 to 10-12-2021)

**e. FDPs/Workshops/Conferences Attended: 2021-22**

<b>Name of Faculty Member</b>	<b>Title</b>	<b>Date from</b>	<b>Date to</b>
Abhiruchi Passi	Train the Trainer Program for ESSCI Solar Centre of Excellence	08-11-2021	14-11-2021
Abhiruchi Passi	FDP on Industry Oriented STC on VLSI Design Tools recognised by AICTE	21-03-2022	25-03-2022
Abhiruchi Passi	STC on Artificial Intelligence and Big Data Analysis for Electrical Engineering (in Collaboration with MathWorks) through ICT	07-03-2022	11-03-2022
Abhiruchi Passi	One Week Online FDP on Progression to Smart Buildings in Indian Context	10-01-2022	14-01-2022
Abhiruchi Passi	FDP on 5G Communication and its application recognised by AICTE	23-05-2022	27-05-2022
Geeta Nijhawan	FDP on SciLab Programming Recognised by AICTE	25-04-2022	29-04-2022
Geeta Nijhawan	FDP on NEP 2020 Implementation in Higher Education Institutes recognised by AICTE	09-05-2022	13-05-2022
Geeta Nijhawan	FDP on 5G Communication and its application recognised by AICTE	23-05-2022	27-05-2022
Jyoti Verma	FDP on Contemporary Advances in Sustainable and integrated infrastructure	02-08-2021	06-08-2021
Jyoti Verma	FDP on SciLab Programming recognised by AICTE	25-04-2022	29-04-2022
Jyoti Verma	STC on Artificial Intelligence and Big Data Analysis for Electrical Engineering (in Collaboration with MathWorks) through ICT recognised by AICTE	07-03-2022	11-03-2022
Jyoti Verma	FDP on NEP 2020 Implementation in Higher Education Institutes recognised by AICTE	09-05-2022	13-05-2022
Jyoti Verma	FDP on Industry Oriented STC on VLSI Design Tools recognised by AICTE	21-03-2022	25-03-2022
Jyoti Verma	One Week STTP on Cloud Computing and Internet of Things	07-02-2022	12-02-2022
Jyoti Verma	NPTEL Online Certification Course on Digital Electronics& Circuits	24-01-2022	15-04-2022
Jyoti Verma	FDP on 5G Communication and its application recognised by AICTE	23-05-2022	27-05-2022
Pratima Manhas	ATAL FDP on 5G Technology	23-08-2021	27-08-2021
Pratima Manhas	ATAL FDP on Antenna: Design , Fabrication and Measurement	02-08-2021	06-08-2021
Pratima Manhas	Sensors Application Through Internet of Things.	20-09-2021	24-09-2021
Pratima Manhas	Train the Trainer Program for ESSCI Solar Centre of Excellence	08-11-2021	14-11-2021
Pratima Manhas	Electric Vehicle Technology: Opportunities & Challenges	06-12-2021	10-12-2021



Pratima Manhas	FDP on SciLab Programming Recognised by AICTE	25-04-2022	29-04-2022
Pratima Manhas	STC on Artificial Intelligence and Big Data Analysis for Electrical Engineering (in Collaboration with MathWorks) through ICT	07-03-2022	11-03-2022
Pratima Manhas	AICTE sponsored One Week Short Term Training Program on Cloud Computing and Internet of Things	07-02-2022	11-02-2022
Pratima Manhas	NPTEL Online Certification Course on Computer Networks & Internet Protocols	24-01-2022	15-04-2022
Pratima Manhas	FDP on NEP 2020 Implementation in Higher Education Institutes recognised by AICTE	09-05-2022	13-05-2022
Pratima Manhas	FDP on 5G Communication and its application recognised by AICTE	23-05-2022	27-05-2022
Pratima Manhas	FDP on Intellectual Property Rights & Patenting in India recognised by AICTE	13-06-2022	17-06-2022
Perna Kakkar	One Week FDP On Progression to Smart Buildings in Indian Context recognised by AICTE	10-01-2022	14-01-2022
Vimlesh Singh	ATAL FDP on "Fabrication and Characterization of Thin Films for Future Technological Applications"	16-08-2021	20-08-2021
Vimlesh Singh	FDP on 5G Communication and its application recognised by AICTE	23-05-2022	27-05-2022
Vimlesh Singh	FDP on SciLab Programming Recognised by AICTE	25-04-2022	29-04-2022
Yogendra Kumar Awasthi	FDP on SciLab Programming recognised by AICTE	25-04-2022	29-04-2022
Yogendra Kumar Awasthi	FDP on 5G Communication and its application recognised by AICTE	23-05-2022	27-05-2022

#### f. Faculty Research Papers:2021-22

Title of paper	Name of the author/s	Name of Journal	Year of publication
A Planar Reconfigurable Antenna for Wideband and Narrowband Applications	Viney Malik	Journal of Optoelectronics Laser	2021-22
A Review Of Leakage Power Reduction Techniques For Vlsi Applications	Shruti Hathwalia, Naresh Grover	SSRG International Journal of Electronics and Communication Engineering	2021-22
A Review on Reconfigurable Antenna	Viney Malik	Journal of Optoelectronics Laser	2021-22
A Single Layer Wideband Absorber for Electromagnetic Interference Minimization in Ku-Band Applications	Yogita Khanna, Y K Awasthi	Cambridge-International Journal of Microwave and Wireless Technologies	2021-22

A Study Of Emerging Semiconductor Devices For Memory Application	Shaifali Ruhil, Vandana Khanna, Umesh Dutta, Neeraj Kumar Shukla	International Journal of Nano Dimension (Abbreviation Int J Nano Dimens)	2021-22
A study of emerging semiconductor devices for memory applications	Shaifali Ruhil, Vandana Khanna, Umesh Dutta, Neeraj Kumar Shukla	IOSR Journal Of Humanities And Social Science (IOSR-JHSS)	2021-22
AMBA AHB Bus with Multiple Masters Using VHDL	Hitanshu Saluja, Naresh Grover	ECS Transactions	2021-22
An Investigation And Implementation Of Solar-Thermal Based Hybrid Energy Harvesting System For Wsn	Suman Arora, Geeta Nijhawan, Gourav Verma	International Journal of Advanced Research in Engineering and Technology	2021-22
Assessment Of Cybersecurity Related Issues In Iot	Vimlesh, Arunabh Singh, Suraj Kumar Singh, Akhilesh Kumar, Krishna Gullapalli, Naveed	Turkish Journal of Computer and Mathematics Education (TURCOMAT)	2021-22
Comparative AHB Amba 2.0 And AXI 4.0 Implementations In Soc Design	Hitanshu Saluja and Naresh Grover	Design Engineering	2021-22
Comparative AHB AMBA 2.0 and AXI 4.0 Implementations in SOC Design	Hitanshu Saluja and Naresh Grover	Design Engineering	2021-22
Comparison of Nano Q plus Operating System with other operating systems in Wireless Sensor Networks with other operating systems in Wireless Comparison of Nano Q plus Operating System with other operating systems in Wireless Comparison of Nano Q plus Operating System with other operating systems in Wireless	Rajshree Nahar and Abhiruchi Passi	SSRG International Journal of Electronics and Communication Engineering	2021-22
Design and analysis of a planar UWB bandpass filter with stopband characteristics using MMR technique	Gaurav Saxena, Y. K. Awasthi and Priyanka Jain	Cambridge-International Journal of Microwave and Wireless Technologies	2021-22
Design of a 30 Nm Novel 3-D Quad Gate Stacked Nano-Sheets FinFET	Shaifali Ruhil, Umesh Dutta, Vandana Khanna & Neeraj Kumar Shukla	Springer	2021-22
Design Of A Low Power PII Using Cs-Vco In 45Nm Cmos Technology	Shruti Hathwalia, Naresh Grover	Journal of Huazhong University of Science and Technology	2021-22



Design Of The Low Pass Filter Using Split-Ring Resonators	Joy Singh, Sudhanshu Kumar Jha, Vimlesh Singh, YK Awasthi	Optik	2021-22
Design of THz Low Pass Filter Using Split-Ring Resonators	Joy Singh, Sudhanshu Kumar Jha, Vimlesh Singh, YK Awasthi	Optik	2021-22
Four-Element Penta BandMimo Antenna For Multiple Wireless Application Including Dual-Band Circular Polarization Characteristics	Gaurav Saxena, Y K Awasthi, Priyanka Jain	International Journal of Microwave and Wireless Technologies	2021-22
Image Forensic Investigation Using Discrete Cosine Transform-Based Approach	Monika, Dipali Bansal & Abhiruchi Passi	Wireless Personal Communications	2021-22
Image Forgery Detection and Localization using Block based and key-point based Feature Matching Forensic Investigation	Monika Shah, Abhiruchi Passi	Wireless Personal Communication	2021-22
Internet Of Things And Its Applications	Abhiruchi Passi, Arshita Madan, Ishika, Yash Bhardwaj, Rajesh Thapa	Jxat- Journal of XI'AN university of architecture and technology	2021-22
Iot Security With Blockchain	Geeta Nijhawan, Abhinav Kumar, Divyansh Dixit	YMER Digital	2021-22
Machine Learning And Its Application In Temperature Monitoring	Abhinav kumar, Parv Kukreja, Ashutosh Vats, Geeta Nijhawan	International Journal of Advanced Research in Engineering and Technology	2021-22
Multi-Band Polarization Insensitive Ultra-Thin Thz Metamaterial Absorber For Imaging And Emi Shielding Applications	G. Saxena, Y. Khanna, Y.K.Awasthi, P. Jain	Advanced Electromagnetics	2021-22
Novel Design of a Digital PLL for Power Reduction	Shruti Hathwalia and Naresh Grover	International Journal of Online and Biomedical Engineering	2021-22
Performance Analysis With Differential Evolution Optimization For Moving Object Detection Using Back Ground Subtraction	Sudhir Dagar, Geeta Nijhawan	International Journal of Advanced Research in Engineering and Technology	2021-22
Power allocation to enhance non-orthogonal multiple access performance	Kokane, D.N., Nijhawan, G., Vashist, S.	International Journal of Wireless and Mobile Computing	2021-22
Quad-Band Circularly Polarized Super- Wideband MIMO Antenna for Wireless Applications	Y K Awasthi, Priyanka Jain et.al	Wiley-International Journal of RF and Microwave Computer-Aided Engineering	2021-22
Review Paper On Electronic Stability Control	Aditya Gajbhiye, Yuvansh, Jyoti Verma	International Research Journal of Management Sociology & Humanities	2021-22

Robotics Process Automation The Future Digital Worker	Mansi Varshney, Divyansh Dixit, Anish Raj, Jyoti Verma	Journal of Huazhong University of Science and Technology	2021-22
Security Technique Against Power Exhausting Attacks In Wsn	Jaya Kaushik , Naresh Grover	Annals of Romanian Society for Cell Biological	2021-22

#### g. Book Chapters: 2021-22

Name of the teacher	Title of the book/chapters published	Title of the Paper	Title of the proceedings of the conference /
Abhiruchi Passi	NA	Digital Image Forensic based on Machine Learning approach for Forgery Detection and Localization	International Conference on Mechatronics and Artificial Intelligence held at SGT University, Gurgaon
Abhiruchi Passi	NA	Perspective of wireless sensor networks towards Environment Gaps and Challenges	International Conference on Mechatronics and Artificial Intelligence held at SGT University, Gurgaon
Geeta Nijhawan	NA	A systematic survey on various energy harvesting system for WSN applications	ICIARA 2021 - 1st International Conference on Industrial Electronics Research and Applications, Proceedings
Jyoti Verma	NA	Controller Design for Dynamic Stability and Performance Enhancement of Renewable Energy System	Smart Innovation, System and Technologies
Jyoti Verma	Computer Organization and Architecture	NA	NA
Jyoti Verma	NA	Controller Design for Dynamic Stability and Performance Enhancement of Renewable Energy System	Smart Innovation, System and Technologies
M.K Soni	NA	Perspective of wireless sensor networks towards Environment Gaps and Challenges	Journal of Physics Conference Series
Pratima Manhas	Computer Organization and Architecture	NA	NA



Prerna Kakkar	NA	Stree Atrna Nirbharta jacket - An IOT based women safety system	Proceedings - 2021 4th International Conference on Computational Intelligence and Communication Technologies, CCICT 2021
Shaveta Thakral	Computer Organization and Architecture	NA	NA
Vimlesh Singh	NA	Design of Low Pass Filter using Microstrip Line - A Comparative Study	Proceedings of the 8th International Conference on Signal Processing and Integrated Networks, SPIN 2021
Vimlesh Singh	NA	A Study on Development of CNTFET Based Analog and Digital Circuits	2021 4th International Conference on Recent Developments in Control, Automation and Power Engineering, RDCAPE 2021
Y.K Awasthi	NA	Parametric Analysis Determining the Efficacy of Varied Approaches under Deregulated Electricity Market	Proceedings of the 8th International Conference on Signal Processing and Integrated Networks, SPIN 2021
Y.K Awasthi	NA	Design of Low Pass Filter using Microstrip Line - A Comparative Study	Proceedings of the 8th International Conference on Signal Processing and Integrated Networks, SPIN 2021
Y.K Awasthi	NA	Comparative Efficacy of Optimization Techniques Towards Multi-Objective Electric Power Quality Improvement	Proceedings of the 8th International Conference on Signal Processing and Integrated Networks, SPIN 2021
Monika Dhiman, . Pratima Manhas	NA	Review of Vehicle to Vehicle Communication System by using IOT	International Conference on Innovations in Electronics & Communication Engineering (ICIECE-2021) Springer
Dipa Nitin Kokane, Geeta Nijhawn, Shruti Vashist	NA	Performance of Non-Orthogonal Multiple Access with MIMO System	9th International conference on Innovation in Computer Science & Engineering (ICICSE-2021) Supported by Springer
Dipa Nitin Kokane, Geeta Nijhawn, . Shruti Vashist	NA	Non-Orthogonal Multiple Access with Alamouti Technique for Future Wireless Communication	2nd International Conference on Communication, Computing & Industry 4.0-2021 C2I4-2021, CMRIT, Bangalore Supported by IEEE
Dipa Nitin Kokane, Geeta Nijhawn, Shruti Vashist	NA	Non Orthogonal Multiple Access With Interference Cancellation Scheme	6th International conference on Soft Computing: Theories and Applications Scopus Indexed LNNS Springer Proceedings, IIIT Kota, Rajasthan
Manoj Kumar Tomar, Vimlesh Singh , Laxya	NA	A study on Development of CNTFET based Alog & Digital Circuits	4th International Conference on Recent Developments in Control, Automation & Power Engineering (RDCAPE-2021), Amity University Noida.
Joy Singh, Sudhanshu Kumar Jha,	NA	Design of Low Pass Filter using Microstrip Line – A	IEEE 8th International Conference on Signal Processing and Integrated Networks (Spin-2021)

Saurabh Raturi, Vimlesh Singh, Yogena Kumar Awasthi		Comparative Study	
Manisha Hooda, Y K Awasthi, A S Siddiqui, Niharika Thakur	NA	Profit Maximization Using Hybrid Krill- Herd and Sine- Cosine Algorithm For Deregulated Electricity Market	IEEE 8th International Conference on Signal Processing and Integrated Networks (Spin- 2021)
Niharika Thakur, Y K Awasthi, A S Siddiqui, Manisha Hooda	NA	Comparative Efficacy of Optimization Techniques towards Multi-Objective Electric Power Quality Improvement	IEEE 8th International Conference on Signal Processing and Integrated Networks (Spin- 2021)
Niharika Thakur, Y K Awasthi, A S Siddiqui, Manisha Hooda	NA	Comparative Efficacy of Optimization Techniques towards Multi-Objective Electric Power Quality Improvement	IEEE 8th International Conference on Signal Processing and Integrated Networks (Spin- 2021)
Vimlesh Singh	NA	nanomaterial: Aerospace solution	2nd International Conference on Industrial and Manufacturing System (CI-2021)
Vimlesh Singh, Udai Bhan Singh, Priyanka Bansal & Amrinder Dhiman	Electropreneur Ship: Bolstering Self Employment in Today's era- Self-Employment in Computer and Electronics Engineering	NA	NA
. Shaveta Thakral, Jyoti Verma, Pratima Manhas	NA	Computer Organization and Architecture	NA
Pratima Manhas, Jyoti Verma	NA	Quantum implementation of Reversible logic gates using RCViewer+ tool	International Conference on Emerging Technologies in Data Mining and information Security on 23-25 Feb 2022.(Springer )
Jyoti Verma, Pratima Manhas	NA	Machine Learning Approach based on Fuzzy logic for Industrial Temperature regulation	International Conference on Emerging Technologies in Data Mining and information Security on 23-25 Feb 2022.(Springer )
Abhiruchi Passi, Ab Wahid Bhatt	NA	Wireless Sensor Network Motes: A Comparative Survey	International Conference on Computing for Sustainable Global Development, technically sponsored by IEEE Delhi Section, 23rd to 25th March, 2022 at Bharati Vidyapeeth, New Delhi (INDIA)



Sunita Joshi, Y K Awasthi, Niharika Thakur, Yogita Khan	NA	RFID Technology for Next Generation: Theory, Design, and Applications	International Conference on Robotics, Automation & Communication Engineering for Industry 4.0 (ICRACI4.0-2022), MRU, Faridabad,
Dipa Nitin Kokane, . Geeta Nijhawn, . Shruti Vashist	NA	Network Connectivity Technologies for Internet of Things	Second International Conference on Artificial Intelligence and Smart System (ICAIS 2022), JCT College of Engineering and Technology, Coimbatore JCT College of Engineering and Technology, Coimbatore Supported by IEEE
Kashish Mahinoo, Vani Sadadiwala, Vimlesh Singh, Devender Sharma Sarthak Singhal	NA	Triple Band Polarization Independent C-Band Metamaterial Absorber	5th International Conference on Communication, Devices & Networking, Department of Electronics & Communication Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, India
Vimlesh Singh, Amit Kumar, Mahesh Kumar Aghwariya	Design and Analysis of DGS-Based Fractal Antenna for Meteorological Satellite-Smart Antenna Springer	NA	NA
Amit Kumar, Mahesh Kumar Agwariya, Vimlesh Singh	Applications of Microstrip Antenna in IoT-Smart Antenna Springer	NA	NA
. Umesh Dutta, Vikas Sharma, Nilansh Khura, Shivam Gupta	Tinkering With Raspberry Pi	NA	NA

## 7. DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

### h. 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: 2021-22

Title of paper	Name of all the author/s	Student Authors	Journal/Conference/Book Title
Design and analysis of EV Charging station using LLC Converter	Nayen Kenger , Richa Adlakha, Ashish Grover	Nayen Kenger	International Conference on Recent Developments in Electrical and Electronics Engineering (ICRDEEE 2022)
BLDC Motor-Driven Solar PV Array-Fed Water Pumping System Employing Zeta Converter	Binu Joseph Abraham <sup>1</sup> , Richa Adlakha	Binu Joseph Abraham	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering
Compact and Efficient Way of LSEV Charging	Rakesh Sharma, Anita Khosla	Rakesh Sharma	Smart Structures in Energy Infrastructure

#### b. Students benefited by career counseling and guidance for competitive Examinations 2021-22

Activity Description	No. of Participants
GATE Classes for Electrical and Electronics Engineering students	11
Career Prospects through Competitive Exam Series:2K21	5



**c. Student progression to higher education during the year:2021-22**

<b>Name of students enrolled for higher education</b>	<b>Graduated from which programme</b>	<b>Name of institution joined</b>	<b>Admitted to (Name of Programme)</b>
Vinay	B.Tech-Electrical and electronics engineering	J.C.Bose University of Science And Technology, Haryana	M.Tech

**d. Faculty members: Awards & Recognitions: 2021-22**

<b>Name of Faculty Member</b>	<b>Awards/Recognition</b>
Ashish Grover	Recognition as Invited panelist for Technical Webinar on "Electric Vehicle: The future of Energy and Mobility for Sustainable Development" (28.08.2021)
Amarinder Kaur	Faculty Coordinator in Toycathon (24-5-2022 to 25-5-2022)
Amarinder Kaur	Recognition for publishing patent: IoT Based Speaker Reorganization System(04-02-2022)
Richa Adlakha	Certificate of Excellence as Reviewer(29-03-2022)
Richa Adlakha	Certificate of Appreciation for International Conference on Recent Developments in EEE (ICRDEEE-2022) 15-04-2022 to 16-04-2022)
Richa Adlakha	Certificate of Jury for IDEATHON 2022 ( 18-02-2022 to 19-02-2022)
Richa Adlakha	Certificate as Co-Coordinator for ICT based STC on Artificial Intelligence and Big Data Analysis for Electrical Engineering ( 21-04-2022)
Richa Adlakha	Recognition for publishing patent: Intelligent Electricity Utilisation Management System (15-02-2022)
Richa Adlakha	Recognition as Invited panelist for Technical Lecture Meeting Webinar on "Battery Technology and Application in Electric Vehicle" (09-10-2021)
Anita Khosla	Recognition as Invited Speaker to deliver an expert talk on EMS with Automation on 11 June 2021, in online AICTE sponsored Short Term Training Program (STTP) on "Role of Energy Management System in Smart Grid" at Department of Electrical Engineering, Jamia Millia Islamia, New Delhi. (11-06-2021)
Anita Khosla	Recognition as Invited panelist for technical Webinar on "E Waste-A Challenge for Sustainable Development (03-07-2021)
Anita Khosla	Recognition as Invited Speaker for online Faculty Development Programme on the topic "Recent Challenges in Electrical & Electronics Engineering" (17-11-2021)
Anita Khosla	Recognition for publishing patent: on Machine Learning Algorithm Aided Solar Irradiance Prediction (31-12-2021)
Anita Khosla	CIEMA Research Award (26-03-2022 to 27-03-2022)
Anita Khosla	Recognition as Senior Member IEEE (01-12-2021)

Anita Khosla	Recognition as Invited Reviewer for paper titled "Winding-to-Ground Fault Location in Power Transformer Windings Using Combination of Discrete Wavelet Transform and Back-Propagation Neural Network" for Applied Artificial Intelligence (03-01-2022)
Leena G	Recognition as Invited Session Chair at IEEE International Conference on Recent Developments in Control Automation and Power Engineering, held at Amity University, Uttar Pradesh, Noida, (October 7-8,2021)
Leena G	Recognition as Invited Program Committee Chair and Reviewer in the International Conference on "Sustainable Technology and Advanced Computing in Electrical Engineering" (11-11-2021-12-11-2021)
Leena G	Recognition as coordinator for ICT based STC on Artificial Intelligence and big data Analysis for Electrical Engineering (21-04-2022)

**e. FDPs attended by Faculty Members: 2021-22**

Name of Faculty Member	Title	Date from	Date to
Amarinder Kaur	FDP on Artificial Intelligence and Machine learning Applications in Electrical Engineering	09-08-2021	13-08-2021
Amarinder Kaur	Certificate course on 30 Days EV Design Master Class.	23-08-2021	21-09-2021
Amarinder Kaur	Certificate course on Introduction to Smart Grid	26-07-2021	17-09-2021
Amarinder Kaur	FDP on Recent Trends In Renewable Energy	02-08-2021	06-08-2021
Amit Atri	FDP on Microgrid An Opportunity: Electric Vehicles and Renewable Energy Resources	05-07-2021	09-07-2021
Amit Atri	FDP on Power and Energy Systems	19-07-2021	23-07-2021
Amit Atri	FDP on EV and Charging Infrastructure	26-07-2021	30-07-2021
Amit Atri	FDP on Recent Trends In Renewable Energy	02-08-2021	06-08-2021
Amit Atri	FDP on SciLab Programming Recognised by AICTE	25-04-2022	29-04-2022
Amit Atri	STC on Artificial Intelligence and Big Data Analysis for Electrical Engineering recognised by AICTE	07-03-2022	11-03-2022
Anita Khosla	FDP on Capacity building of women in higher education	12-07-2021	16-07-2021
Anita Khosla	FDP on Social Robotics and AI	28-06-2021	04-07-2021
Anita Khosla	Certificate course on Introduction to Smart Grid	26-07-2021	17-09-2021
Ashish Grover	FDP on Electric Vehicle Technology: Opportunities & Challenges	06-12-2021	10-12-2021
Ashish Grover	STTP on Electrical Vehicle Techniques with OPAL-RT Solutions	20-12-2021	25-12-2021
Ashish Grover	FDP on Implementation of Industry 4.0 and its Challenges	05-07-2021	09-07-2021



Ashish Grover	FDP on Recent Trends In Renewable Energy	02-08-2021	06-08-2021
Ashish Grover	FDP on Edge computing technologies for Smart Factory Automation and Industry 4.0	16-08-2021	20-08-2021
Ashish Grover	Certificate course on Introduction to Smart Grid	26-07-2021	17-09-2021
Ashish Grover	FDP on Basic of electrical Vehicles	10-09-2021	14-09-2021
Ashish Grover	FDP on Robotics and Artificial Intelligence	13-12-2021	17-12-2021
Ashish Grover	FDP on NEP 2020 Implementation in Higher Education Institutes recognised by AICTE	09-05-2022	13-05-2022
Ashish Grover	FDP on 5G Communication and its Applications recognised by AICTE	23-05-2022	27-05-2022
Ashish Grover	Online Training Programme on MATLAB and LabVIEW Programming for Engineering Applications	24-01-2022	04-02-2022
Leena G	FDP on Machine Learning For Autonomous Futuristic Electric Vehicles	12-07-2021	16-07-2021
Leena G	FDP on Basic of Electric Vehicles	10-09-2021	14-09-2021
Leena G	Certificate course on Electric Vehicles and Renewable Energy	26-07-2021	15-10-2021
Leena G	FDP on Robotics and Artificial Intelligence	08-11-2021	12-11-2021
Leena G	FDP on Robotics	22-11-2021	26-11-2021
Leena G	FDP on Robotics and Artificial Intelligence	13-12-2021	17-12-2021
Neha Chaudhary/Midha	FDP on Power and Energy Systems	19-07-2021	24-07-2021
Neha Chaudhary/Midha	FDP on GIS & Remote Sensing	02-08-2021	06-08-2021
Neha Chaudhary/Midha	FDP on Robotics and Artificial Intelligence	13-12-2021	17-12-2021
Neha Chaudhary/Midha	FDP on Electric Vehicle Technology: Opportunities & Challenges	06-12-2021	10-12-2021
Neha Chaudhary/Midha	Certificate course on Introduction to Smart Grid	26-07-2021	17-09-2021
Richa Adlakha	FDP on Challenges and Opportunities in Integration of Electric Vehicles with Smart Electric Grids	16-08-2021	20-08-2021
Richa Adlakha	FDP on Recent Trends In Renewable Energy	02-08-2021	06-08-2021
Richa Adlakha	Certificate course on Electric Vehicles and Renewable Energy	26-07-2021	15-10-2021
Richa Adlakha	Certificate course on Introduction to Smart Grid	26-07-2021	17-09-2021
Richa Adlakha	FDP on Robotics and Artificial Intelligence	13-12-2021	17-12-2021
Richa Adlakha	STTP on Electrical Vehicle Techniques with OPAL-RT Solutions	20-12-2021	25-12-2021

Richa Adlakha	FDP on SciLab Programming recognised by AICTE	25-04-2022	29-04-2022
Richa Adlakha	FDP on NEP 2020 Implementation in Higher Education Institutes recognised by AICTE	09-05-2022	13-05-2022

#### f. Events Organised: 2021-22

Title of the professional development program organised for teaching staff: FDP, STC, Conference, Seminar, Expert talk, Session etc	From Date	To Date
AICTE sponsored ATAL online Faculty Development Program on "Robotics & Artificial Intelligence-Professional Development Program for teaching staff	13-12-2021	17-12-2021
STC on 'Artificial Intelligence and Big Data Analysis for Electrical Engineering' in collaboration with NITTTR Chandigarh	07-03-2022	11-03-2022

#### g. Faculty Research Papers: 2021-22

Title of Paper	Name of the Author/S	Name of Journal	Year of Publication
A Case Study for Analyzing the Power Generation from Wastes	Amit Atri, Anita Khosla	Ambient Science	2021-22
Comparison Of Adaptive Filtering Scheme For Sustainable And Efficient Communication In Smart City	Anita Khosla	Sustainable Energy Technologies and Assessments	2021-22
Comprehensive review on spectrum sensing techniques in cognitive radio	Neha Chaudhary & Rashima Mahajan	Engineering Review	2021-22
Disrupting predatory journals	G. Leena and V. K. J. Jeevan	Current Science	2021-22
Early Skin Cancer Detection Microwave Imaging	Amrinder Kaur	Indian Journal of Natural Sciences	2021-22
Identification of spectrum holes using energy detector based spectrum sensing	Neha Chaudhary & Rashima Mahajan	International Journal of Information Technology (IJIT)	2021-22
Identification Of Spectrum Holes Using Energy Detector Based Spectrum Sensing	Neha Chaudhary & Rashima Mahajan	International Journal of Information Technology	2021-22
Micro-Grid Simulation and Integration with GRID using 13 Level Inverter	Hardev Meena Leena G	International Journal of Recent Technology and Engineering (IJRTE)	2021-22



Performance enhancement of grid-connected photovoltaic systems using Ant Lion optimisation and Genetic Algorithm- based optimisation techniques,	Pankaj Negi, Yash Pal, Leena G	Cognitive Computation Systems- IET, Wiley open Access journal ,	2021-22
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#### i. Book Chapters: 2021-22

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference /workshop
Amit Atri	NA	A Review of Load Frequency Control of Hybrid Power System	Proceedings of ICRTE 2021, Volume 2
Anita Khosla	NA	Implementation of Soft Computing Techniques to Evade Partial Shading Effects for PV Based Off-Grid System	Asia-Pacific Power and Energy Engineering Conference, APPEEC
Anita Khosla	NA	A Review of Load Frequency Control of Hybrid Power System	Proceedings of ICRTE 2021, Volume 2
Anita Khosla	NA	Compact and Efficient Way of LSEV Charging	Proceedings of ICRTE 2021, Volume 2
Anita Khosla	NA	A Concept Design of a Futuristic Battery Management System for Submarines Using IEEE802.3 Network	Proceedings of ICRTE 2021, Volume 2
Anita Khosla	NA	Optimizing Greedy Algorithm to Balance the Server Load in Cloud Simulated Environment	NA
Ashish Grover	NA	Implementation of Soft Computing Techniques to Evade Partial Shading Effects for PV Based Off-Grid System	Asia-Pacific Power and Energy Engineering Conference, APPEEC
Leena G	NA	Order Reduction of Linear Time Invariant Large-Scale System by	Smart Innovation, Syste and Technologies

		Improved Mixed Approximation Method	
Leena G	NA	Efficiency and GreenHouse Emission Response of Different Vehicles Operating on Various living Cycles	IOP Conference Series: Materials Science and Engineering
Leena G	NA	Analysis of Predictive Current Control Technique in Wind Energy Conversion System	Proceedings of ICRTE 2021, Volume 2
Anita Khosla	Smart Structures in Energy Infrastructure	NA	Proceedings of ICRTE 2021 Volume 2
Richa Adlakha, Ashish Grover	NA	Design and analysis of EV Charging station using LLC Converter	International conference on Recent Developments in electrical and electronics engineering
Khosla, A., Vashist, S., Nijhawan, G.	Blockchain Technology in Healthcare- EAI/Springer Innovations in Communication and Computing	NA	NA

## 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: 2021-22

Title of Paper	Name of all the author/s	Student Authors	Journal/Conference/Book Title
Investigating of Microstructure of the CBN Tools during	Manoj Nayak, Rakesh Sehgal	Akash Mazeed	Proceedings of the International Conference on Advanced Materials and Computational Methods in Mechanical Engineering



Continuous and Interrupted Machining			
Modeling and Combined Effect Analysis of Electric Discharge Machining Process using Response Surface Methodology	Gurpreet Singh Matharou, Basanta Kr. Bhuyan	Gurpreet Singh Matharou	International Conference on Futuristic Trends in Materials and Manufacturing
Perspective Study of Abrasive Water Jet Machining of Composites - A Review	Anil Kumar Dahiya, Basanta Kr. Bhuyan, Shailender Kumar	Anil Kumar Dahiya	Journal of Mechanical Science and Technology
Optimization of Process Parameters for Surface Roughness of GFRP with AWJ Machining using Taguchi and GRA Methods	Anil Kumar Dahiya, Basanta Kr. Bhuyan, Shailender Kumar	Anil Kumar Dahiya	International Journal of Modern Manufacturing Technologies, ISSN No. 2067-3604
Flow of Air Inside Indoor Air Purifier Using HEPA, Carbon Activated, Anti-Bacterial	Basanta Kumar Bhuyan	Rishabh; Prateek Srivastav	International Journal for Science and Advance Research In Technology
Barriers in designing and developing products by Additive Manufacturing for Bio-Mechanics Systems in Healthcare Sector	Rajender Kumar & Pankaj Shakarwal, Puna Lata Singh	Vishal Tyagi	Materials Today Proceeding; ISSN_2214-7853,
To study and analyze the design of drive shafts for automobiles using composite material through	Dr. Rajender Kumar & Dinesh Chawla	Ahmed Ishan Feroz, Dinesh Chawla	Materials Today Proceeding; ISSN_2214-7853,

empirical review on literature			
Design and analysis of multi cavity Injection Mould using SOLIDWORKS	Dr. Rajender Kumar & Mr. Pankaj Shakarwal	Arpit Arora, Arpit Pathak, Akshat Juneja	Materials Today Proceeding; ISSN_2214-7853,
Design and Analysis of Progressive Dies using Solidworks	Dr. Rajender Kumar & Mr. Pankaj Shakarwal	Arpit Arora, Arpit Pathak, Akshat Juneja	Materials Today Proceeding; ISSN_2214-7853,
All Electric Aircraft: A reality on its way	Jimmy Mehta	Nischal Thappa, Sidhartha Ram, Sonu Kumar	Materials Today Proceeding; ISSN_2214-7853,
Experimental investigation of surface roughness in electric discharge machining of Hybrid Metal Matrix Composite	Gurpreet Singh Matharou, Basant Bhuyan	Gurpreet Singh Matharou	Advances in Materials and Material Technology, Lecture Notes in Mechanical Engineering
A review on Machining Potential of Composite Materials during Abrasive Water Jet Machining	Anil Kumar Dahiya, Basant Bhuyan	Anil Kumar Dahiya	Advances in Materials and Material Technology, Lecture Notes in Mechanical Engineering
Significant Complications declining usage of Electrical Discharge Machining Process	Gurpreet Singh Matharou, Basant Bhuyan	Gurpreet Singh Matharou	IOP Series; Material Science & Engineering

**b. Student progression to higher education during the year: 2021-22**

<b>Name of students enrolled for higher education</b>	<b>Graduated from which Programme</b>	<b>Name of Institution joined</b>	<b>Admitted to (Name of Programme)</b>
Rijul Choudhary	B.Tech-Mechanical Engineering	Great Lakes Institute of Management, Chennai	M.Tech



Sanskar Saxena	B.Tech-Mechanical Engineering	Hindustan Institute of Maritime Training, Tamil Naidu	Graduate Marine Engineering (GME)
Dev Ashish	B.Tech-Mechanical Engineering	Manav Rachna International Institute of Research and Studies, Haryana	MBA
Aakash Rawat	B.Tech-Mechanical Engineering	University of Canada	MBA

**c. Students benefited by career counseling and guidance for competitive Examinations: 2021-22**

Activity Description	No. of Participants
Career Progression in Manufacturing Industry	68
Successful Career Planning, Higher Education & Technical Profile Building	45
How to become Job Ready for Core Industries	55

**d. Faculty members: Awards & Recognitions: 2021-22**

Name of Faculty Member	Awards/Recognition
Rajender Kumar	Young Engineers Award (15-09-2021)
Rajender Kumar	Best paper award "Challenges associated with technology in promoting Skill & Entrepreneurial Initiatives in combating COVID"" at Engineers for Skill Development and Employment in combating COVID (15-09-2021)
Rajender Kumar	Recognition as Invited session chair at 2nd International Conference on Functional Materials, Manufacturing and Performances held (17-09-2021-18-09-2021)
Rajender Kumar	Recognition for conducting AICTE-ATAL FDP on Design Thinking for Manufacturing Excellence (06-09-2021-10-09-2021)
Vinay	Recognition for publishing patent: Mechanized Retail Store Comprising 3D Printed Autonomous Home Delivery Drone (03-12-2021)
Dain D. Thomas	Recognition as Professional Member of The Institution of Engineers, M-1736137 (15-09-2021)
Joydeep	Appreciation Award as a coordinator of ISHRAE Student chapter.
Jimmy Mehta	Recognition as Invited reviewer of research paper titled "Thermal Spray Coatings for improving Tribological and Hot Corrosion Properties on Stainless Steel Sample" (07-12-2021)
Jimmy Mehta	Recognition as Invited speaker to deliver a talk for ATAL -FDP on 3D printing Technology (12-07-2021-16-07-2021)
Jimmy Mehta	Recognition for Professional Membership of The Institution of Engineers, M-1742064 (16-11-2021)
Jimmy Mehta	Reviewer: Thermal Spray Coatings for Improving Tribological and Hot Corrosion Properties on Stainless Steel Sample (07-12-2021)
Prateek Mittal	Recognition for Professional Membership of The Institution of Engineers, M-1741548 (10-11-2021)
Prateek Mittal	Recognition for publishing patent: Feeder Cum Stirrer Mechanism For Stir Casting (27-08-2021)

Virender Narula	Received Lead Auditor recognition certification on ISO 45001 by Chartered Quality Institute and The International Register of Certificated Auditors (03-06-2021)
Virender Narula	Recognition for Professional Membership of The Institution of Engineers, M-1740975 (29-10-2021)
Dinesh Chawla	Recognition for Professional Membership of Institution of Engineers, M-1735661 (09-09-2021)
Devdutt	Recognition for Professional Membership of Institution of Engineers, M-1745306 (16-12-2021)
Pankaj Shakkarwal	Recognition for Professional Membership of Institution of Engineers, M-1740916 (26-10-2021)
Sushant	Recognition for Professional Membership of Institution of Engineers, M-1745144 (27-10-2021)
Seema Mahto	Recognition for Professional Membership of Institution of Engineers, M-1740819 (02-11-2021)
Basanta Kumar Bhuyan	Recognition for Invited Speaker: Expert talk on Introduction to 3D Printing Applications (23-04-2022)
Basanta Kumar Bhuyan	Recognition for Invited Speaker: Guest lecture on Opportunities and Challenges in Advanced Machining Processes( 14-05-2022)
Virender Narula	Received Certificate of Achievement for Earning EMS ISO 14001 :2015 LEAD AUDITOR Certification (03-11-2021)
Virender Narula	Received Certificate of Achievement for Earning OH&SMS ISO 45001 :2018 LEAD AUDITOR Certification (03-07-2021)
Rajender Kumar	Provisional Auditor for Quality Management Systems(22-03-2022)
Rajender Kumar	IMT Industries Association Expo 2022 (13-03-2022 to 15-03-2022)
Vinay	Published a patent titled: Mechanized Retail Store Comprising 3D Printed Autonomous Home Delivery Drone(19-11-2021)

#### e. FDPs attended by Faculty Members: 2021-22

Name of Faculty Member	Title of FDP/Workshop/Conference	Date from	Date to
Basanta Kumar Bhuyan	Design Thinking for Manufacturing Excellence	06-09-2021	10-09-2021
Dain D. Thomas	Recent Trends in Mechanical Engineering	20-07-2021	24-07-2021
Dain D. Thomas	ATAL FDP on Industrial Robots for Future Factories	13-09-2021	17-09-2021
Devdutt	Electrets Applications in Sensors, Microelectronics and Actuators	05-07-2021	09-07-2021
Devdutt	Virtual and Augmented Reality for Robotics	12-07-2021	16-07-2021
Devdutt	Research Writing and Professional Ethics	07-09-2021	13-09-2021
Devdutt	FDP on Effective Academic Practices	10-01-2022	14-01-2022
Devdutt	AICTE sponsored FDP on Engineering Materials	24-01-2022	30-01-2022
Dinesh Chawla	Design Thinking for Manufacturing Excellence	06-09-2021	10-09-2021
Dinesh Chawla	Design and Analysis using CATIA/ANSYS	20-09-2021	24-09-2021



Dinesh Chawla	AICTE recognised STC on Water Resource Management	07-03-2022	11-03-2022
Jimmy Mehta	FDP on 3D Printing Technology	12-07-2021	16-07-2021
Jimmy Mehta	AICTE-ISTE approved Orientation/Refresher Programme on Advances in Materials Processing and Characterization	05-01-2022	11-01-2022
Jimmy Mehta	FDP on Progression to Smart Buildings in Indian Context	10-01-2022	14-01-2022
Jimmy Mehta	FDP on Trends and advances in Mechanical Engineering	07-02-2022	11-02-2022
Jimmy Mehta	International Symposium on Computational Intelligence	28-04-2022	29-04-2022
Jimmy Mehta	One Week FDP on Recent Developments in Renewable Energy	20-06-2022	24-06-2022
Joydeep	FDP on Design Thinking for Manufacturing Excellence	06-09-2021	10-09-2021
Manoj Nayak	Organizational Behavioural Dynamics and Professional Ethics	01-07-2021	05-07-2021
Manoj Nayak	Design Thinking for Manufacturing Excellence	06-09-2021	10-09-2021
Pankaj Shakkarwal	FDP on New & Emerging Technology	28-06-2021	02-07-2021
Pankaj Shakkarwal	Online Training Programme on 3D Printing	25-06-2021	26-07-2021
Pankaj Shakkarwal	Online Training Programme on CREO 3.0	30-06-2021	31-07-2021
Prateek Mittal	Advance and Innovative Approaches in Management Education	05-07-2021	09-07-2021
Rajender Kumar	ATAL FDP on Life skills for blissful life	07-06-2021	11-06-2021
Rajender Kumar	Online FDP on Leadership Management through self management	27-12-2021	31-12-2021
Rajender Kumar	Design Thinking for Manufacturing Excellence	06-09-2021	10-09-2021
Rajender Kumar	Skill Development Programme on Recent Advancements in Materials and Digital Manufacturing	05-10-2021	09-10-2021
Seema Mahto	Design Thinking for Manufacturing Excellence	06-09-2021	10-09-2021
Vinay	FDP on Internet of Things and Sensors	26-07-2021	30-07-2021
Vinay	Recent Trends in Mechanical Engineering	20-07-2021	24-07-2021
Vinay	Contemporary Advances in Sustainable and integrated infrastructure	02-08-2021	06-08-2021
Vinay	FDP on Progression to Smart Buildings in Indian Context	10-01-2022	14-01-2022
Vinay	FDP on Envisioning Pathways in Thermal Sciences	23-05-2022	28-05-2022
Virender Narula	Design Thinking for Manufacturing Excellence	06-09-2021	10-09-2021

**f. Events Organised: 2021-22**

Title	From Date	To Date
AICTE sponsored ATAL Online Faculty Development Programme (Faculty Development Program) on "Design Thinking for Manufacturing Excellence": Professional Development Program for teaching staff	06-09-2021	10-09-2021

**g. Faculty Research Papers: 2021-22**

Title of Paper	Name of the Author/S	Name of Journal	Year of Publication
Active Vibration Analysis Of Passenger Biodynamics In Quarter Car Model With Summing Anfis Based Pid Super Twisting Control	Devdutt	International Journal of Vehicle Noise and Vibration	2021-22
All Electric Aircraft A Reality On Its Way	Jimmy Mehta	Material Today Proceedings	2021-22
An Analysis Of Smart Materials For Auto Parts Manufacturing For Reduced Weight And Cost Of Automobile	Devendra Vashist, M Akhilesh, Abhijith Hari Kumar & Raj Dangwal,	International Journal of Advanced Production and Industrial Engineering	2021-22
An Optimised Framework For Implementation Of Hybrid Lean And Agile Manufacturing Systems In Rolling Industry For India.	Rajender Kumar	International Journal of Six Sigma and Competitive Advantage	2021-22
Analysis The Critical Success Factor Of Green Manufacturing For Achieving Sustainability In Automotive Sector	Rajender Kumar	Lecture Notes in Mechanical Engineering, Springer	2021-22
Analyze The Critical Success Factor For Green Manufacturing For Achieving Sustainability In Automotive Sector	Rajender Kumar	Recent Trends in Production and Industrial Engineering	2021-22
Application Of Structured Maintenance Reliability Programme In Oil And Gas Industry- A Case Study	Virender Narula	Lecture Notes in Mechanical Engineering	2021-22
Barriers In Designing And Developing Products By Additive Manufacturing For Bio-Mechanics Systems In Healthcare Sector	Rajender Kumar & Pankaj Shakarwal	Materials Today Proceedings	2021-22
Challenges And Opportunities In Synthesis Of Hybrid Cu-Al <sub>2</sub> O <sub>3</sub> -C And Cu-ZrO <sub>2</sub> -C Composites Through Stir Casting Route	Jimmy Mehta, Prateek Mittal, Dinesh Chawla	Advances in Engineering Materials. Lecture Notes in Mechanical Engineering	2021-22



Comparison Of Dry And Lubricated Wear Behaviour Of 22Mnb5 Uncoated Ultra High Strength Steel	Prateek Mittal, Jimmy Mehta	Materials Today Proceedings	2021-22
Corrosion, Optimization and Surface Analysis of Fe-Al <sub>2</sub> O <sub>3</sub> -CeO <sub>2</sub> Metal Matrix Nanocomposites	Jimmy Mehta	Journal of Mechanical Engineering Sciences	2021-22
Corrosion, Optimization And Surface Analysis Of Fe-Al <sub>2</sub> O <sub>3</sub> -CeO <sub>2</sub> Metal Matrix Nanocomposites	Pallav Gupta, Naseem Ahmad, Jimmy Mehta, Devender Kumar, M. A. Quraishi, M.L. Rinawa, Sumit Gupta and Vijay Chaudhary	Journal of Mechanical Engineering Science	2021-22
Design & Analysis Of Progressive Die Using Solidworks	Arpit Arora Arpit Pathak Akshat Juneja Pankaj Shakkarwal Rajender Kumar	Materials Today Proceedings	2021-22
Design Analysis Of Dimmer Light For Autonomous Vehicles	Devendra Vashist & Abhishek Mangla, Dhruv Gulati, Nanak Jhamb,	Smart Structures in Energy Infrastructure	2021-22
Design and analysis of multi cavity Injection Mould using SOLIDWORKS	Rajender Kumar & Pankaj Shakarwal	Materials Today Proceeding	2021-22
Design and Analysis of Progressive Dies using Solidworks	Rajender Kumar & Pankaj Shakarwal	Materials Today Proceeding	2021-22
Developing the structural model for barriers associated with the CSR using ISM to help in creating the brand image of the manufacturing industry	Rajender Kumar	International Journal of Advanced Operations Management	2021-22
Effect of Nanofillers and Nanotoxicity on the performance of composites: Influence factors, future scope, challenges and applications	Jimmy Mehta	Polymer Composites	2021-22
Electrochemical Discharge Machining Process, Variants And Hybridization A Review	Rajender Kumar	IOP Conference Series Materials Science and Engineering	2021-22
Experimental Investigations On Electrical Discharge Grinding Of Composite Material	Basant Kr. Bhuyan	Materials Today Proceedings	2021-22
Flow of Air Inside Indoor Air Purifier Using HEPA, Carbon Activated, Anti-Bacterial	Basanta Kumar Bhuyan	International Journal for Science and Advance Research In Technology	2021-22
Identification Of Factors For Lean And Agile Manufacturing Systems In Rolling Industry	Rajender Kumar	Lecture Notes in Mechanical Engineering, Springer	2021-22

Identifying The Factors Related To Csr Activities Contributed Toward Brand Management Through Extensive Literature Review.	Rajender Kumar	Lecture Notes in Mechanical Engineering, Springer	2021-22
Improving Resources Utility In Construction Sector For The Sustainable Development	Rajender Kumar	Recent Trends in Production and Industrial Engineering	2021-22
Investigating Machinability of Aisi D6 Tool Steel Using Cb Tools During Hard Turning	Manoj Nayak	Elsevier	2021-22
Investigating Machinability Of Aisi D6 Tool Steel Using Cbn Tools During Hard Turning.	Rajender Kumar	Materials Today Proceedings	2021-22
ISM-ANP Hybrid Approach to prioritize the barriers in green Six Sigma implementation in construction sector	Dain Thomas	International Journal of Lean Six Sigma	2021-22
ISM-ANP Hybrid Approach to prioritize the barriers in green Six Sigma implementation in construction sector	Dinesh Khanduja	International Journal of Lean Six Sigma	2021-22
Kaizen Implementation In Rolling Mill A Case Study.	Rajender Kumar	Lecture Notes in Mechanical Engineering	2021-22
Machine Learning Best Way To Sustain The Supply Chain In The Era Of Industry 4.0.	Rajender Kumar	Material Today Proceedings	2021-22
Modeling Enablers Of Efficiency And Sustainability Of Health Care A M-Tism Approach.	Sindhvani, R., Kumar, R., Behl, A., Singh, P.L., Kumar, A. & Gupta, T.	Benchmarking	2021-22
Modeling enablers of efficiency and sustainability of healthcare: A m-TISM approach.	Rajender Kumar	Benchmarking: An International Journal	2021-22
Optimization of Process Parameters for Surface Roughness of GFRP with AWJ Machining using Taguchi and GRA Methods	Basanta Kumar Bhuyan	International Journal of Modern Manufacturing Technologies	2021-22
Perspective Study Of Abrasive Water Jet Machining Of Composites - A Review	Anil Kumar Dahiya, B K Bhuyan,	Journal of Mechanical Science and Technology	2021-22
Progressive Die Design And Development Using Autocad	Mr. Pankaj Shakkarwal, Rajender Kumar	Springer Nature	2021-22
Structural Modeling For The Factors Of Facility Management In The Healthcare Industry Using The Tism Approach.	Rajender Kumar	Multi-Criteria Decision Modelling Application Techniques and Case Studies	2021-22
Structural, Wear And Thermal Behavior Of Copper Metal Matrix Composites A Review	Jimmy Mehta, Prateek Mittal, Dinesh Chawla	Advances in Engineering Materials. Lecture Notes in Mechanical	2021-22



		Engineering	
Technological Advancements For Reduced Charging Time Of Electric Vehicle Batteries A Review. Smart Structures In Energy Infrastructure	Devendra Vashist & Abdullah Naim	Smart Structures in Energy Infrastructure	2021-22
To study and analyze the design of drive shafts for automobiles using composite material through empirical review on literature	Rajender Kumar & Dinesh Chawla	Materials Today Proceeding	2021-22

#### h. Book Chapters: 2021-22

Name of the teacher	Title of the book / chapters published	Title of the paper	Title of the proceedings of the conference
Basanta Kumar Bhuyan	NA	Hybrid Metal Matrix Composite Development by Stir Casting and Environmental Concerns	Lecture Notes in Mechanical Engineering
Basanta Kumar Bhuyan	NA	Parametric Analysis of Electric Discharge Machining of Hybrid Composite Materials	Lecture Notes in Mechanical Engineering
Dinesh Chawla	NA	Structural, Wear and Thermal Behavior of Copper Metal Matrix Composites A Review	Lecture Notes in Mechanical Engineering
Jimmy Mehta	NA	Comparison of y and lubricated wear behaviour of 22MnB5 uncoated ultra high strength steel	Materials Today Proceedings
Jimmy Mehta	NA	Structural, Wear and Thermal Behavior of Copper Metal Matrix Composites A Review	Lecture Notes in Mechanical Engineering
Jimmy Mehta	NA	Challenges and Opportunities in Synthesis of Hybrid Cu-Al <sub>2</sub> O <sub>3</sub> -C and Cu-ZrO <sub>2</sub> -C Composites Through Stir Casting Route	Lecture Notes in Mechanical Engineering

Joydeep Chakraborty	NA	Air-Conditioning System in Surgical and Critical Care A Review	Lecture Notes in Mechanical Engineering
Manoj Nayak	NA	Investigating machinability of AISI D6 tool steel using CBN tools during hard turning	Materials Today Proceedings
Pankaj Shakkarwal	NA	Barriers in designing and developing products by additive manufacturing for biomechanics system in healthcare sector	Materials Today Proceedings
Pankaj Shakkarwal	NA	Design & analysis of progressive die using SOLIDWORKS	Materials Today Proceedings
Prateek Mittal	NA	Comparison of y and lubricated wear behavior of 22MnB5 uncoated ultra high strength steel	Materials Today Proceedings
Prateek Mittal	NA	Structural, Wear and Thermal Behavior of Copper Metal Matrix Composites A Review	Lecture Notes in Mechanical Engineering
Rajender Kumar	NA	Electrochemical discharge machining process, variants and hybridization A review	IOP Conference Series Materials Science and Engineering
Rajender Kumar	NA	Barriers in designing and developing products by additive manufacturing for biomechanics system in healthcare sector	Materials Today Proceedings
Rajender Kumar	NA	Design & analysis of progressive die using SOLIDWORKS	Materials Today Proceedings
Rajender Kumar	NA	Investigating machinability of AISI D6 tool steel using CBN tools during hard turning	Materials Today Proceedings
Rajender Kumar	NA	Machine learning Best way to sustain the supply chain in the era of industry4.0	Materials Today Proceedings



Rajender Kumar	NA	Identifying the Factors Related to CSR Activities Contributed Toward Brand Management Through Extensive Literature Review	Lecture Notes in Mechanical Engineering
Rajender Kumar	NA	Kaizen Implementation in Rolling Mill A Case Study	Lecture Notes in Mechanical Engineering
Rajender Kumar	NA	Identification of Factors for Lean and Agile Manufacturing System in Rolling Industry	Lecture Notes in Mechanical Engineering
Rajender Kumar	NA	Improving the resource utility in construction sector for sustainable development	Lecture notes in Mechanical Engineering
Vaibhav Raghav	NA	Structural, Wear and Thermal Behavior of Copper Metal Matrix Composites A Review	Lecture Notes in Mechanical Engineering
Virender Narula	NA	Application of Structured Maintenance Reliability Programme in Oil and Gas Industry—A Case Study	Lecture Notes in Mechanical Engineering
Manoj Nayak	IOT in Agriculture: Survey on Technology, Challenges and Future, Smart Agriculture	NA	NA
Manoj Nayak	A Review on FPGA Based Digital Filters for Denoising ECG Signals, Sensor Network Methodologies and Smart Applications	NA	NA
Basanta Kr. Bhuyan	NA	Theoretical and experimental estimation of Material removal rate of Electric spark diamond grinding of difficult-to-cut materials	Advances in Materials and Material Technology in Lecture Notes in Mechanical Engineering

Basanta Bhuyan	NA	A review on Machining Potential of Composite Materials during Abrasive Water Jet Machining	Advances in Materials and Material Technology IN Lecture Notes in Mechanical Engineering
Rajender Kumar	Applications of Artificial Intelligence and Machine Learning Using Additive Manufacturing Techniques, Additive Manufacturing with Medical Applications	NA	NA
Rajender Kumar	Structural Modelling for the Factors of Facility Management in the Healthcare Industry Using the TISM Approach, Multi-Criteria Decision Modelling	NA	NA
Rajender Kumar	Lean in Business Models: Way to Go for Entrepreneurial Journey in Industry 4.0 Context, Principles of Entrepreneurship in the Industry 4.0 Era	NA	NA
Rajender Kumar	Imperatives Associated to Women Participation in Entrepreneurial Activities, Principles of Entrepreneurship in the Industry 4.0 Era	NA	NA
Rajender Kumar	NA	Improving the resources utility in the construction sector for sustainable development.	Recent Trends in Industrial and Production Engineering, Lecture Notes in Mechanical Engineering
Rajender Kumar	NA	Analysis the critical success factor of green manufacturing for achieving sustainability in automotive sector	Recent Trends in Industrial and Production Engineering, Lecture Notes in Mechanical Engineering
Jimmy Mehta, Prateek	Impact of Coating blends and coating technique in Metal Matrix Composite, Metal Matrix Composites	NA	NA
Jimmy Mehta, Prateek, Seema	Copper Matrix Composites: Synthesis & Application, Metal Matrix Composites	NA	NA



Jimmy Mehta	NA	Comparative prediction of influence of process parameters during CAEDM and REDM of hybrid metal matrix composites	Advances in Manufacturing Engineering, Lecture Notes in Mechanical Engineering
Dain Thomas	Six Sigma: Integration with Lean and Green, Operation Management and data Analytics Modelling	NA	NA
Jayant Maini	Epigenetic regulation of Chronic Kidney Disease development following prenatal maternal stress.	NA	NA

## 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. Faculty members: Awards & Recognitions: 2021-22

Name of Faculty Member	Awards/Recognition
Vijay Kumar	Recognition as Invited Resource Person to deliver an expert talk on "Utility & Importance of Mathematical Science in Engineering Solutions" at Institution of Engineers, Faridabad chapter. 25-06-2021
Pooja Khurana/Sachdeva	Recognition as Keynote Speaker in National conference on Cryptography and Network Security-2021, held from August 10-12, 2021

Pooja Khurana/Sachdeva	Recognition as Invited speaker to deliver talk on Mathematical insight of Covid-19 infection: a modeling approach (18-08-2021)
Pooja Khurana/Sachdeva	Recognition as Invited resource person: oral presentation on "A graphical based approach for early diagnosis of Alzheimer disorder" at the International Congress on Healthcare and Medical Informatics (13-12-2021 to 14-12-2021)
Pooja Khurana/Sachdeva	Recognition as Invited Speaker at International Award Conference on Multidisciplinary Innovation (27-12-2021)
Neeraj Kumari	Recognition for publishing patent: A System And Method For Strategic Consulting Group (SCG) Matrix (12-08-2021)
Neeraj Kumari	Recognition for publishing patent: A Skill Matrix System And Method For Job Recruitment (18-06-2021)

**b. FDPs / Workshops / Conferences Attended by Faculty members: 2021-22**

Name of Faculty Member	Title of FDP/Workshop/Conference	Date from	Date to
Anupama Rajput	ATAL FDP on Waste Valorization towards a Sustainable Environment	14-06-2021	18-06-2021
Anupama Rajput	FDP on Waste Water Treatment Recycle & reuse	06-09-2021	10-09-2021
Anupama Rajput	Online FDP on Rhizospheric engineering: Revisiting the Microbe-Plant Synergy to Mitigate Plant Nano Toxicology	24-01-2022	28-01-2022
Anupama Rajput	Online Advanced FDP on Polymer Matrix based Nanostructures for Targeted Drug Delivery Application	07-02-2022	11-02-2022
Anupama Rajput	STTP Course on Plastics Product Manufacturing & Recycling Techniques	15-02-2022	21-02-2022
Arti Saxena	FDP on Life Skills for Blissful Life	13-12-2021	17-12-2021
Arti Saxena	FDP on Recent Developments in Mathematical Sciences and Engineering	22-12-2021	26-12-2021
Deepak Kumar	FDP on Design Thinking for Manufacturing Excellence	06-09-2021	10-09-2021
Deepak Kumar	FDP on Internet of Things and Sensors	26-07-2021	31-07-2021
Deepak Kumar	FDP on Effective Academic Practices,	10-01-2022	14-01-2022
Devi Singh	FDP on Effective writing and publishing of research paper in SCI, SCOPUS, ABDC indexed journals	02-08-2021	06-08-2021
Devi Singh	FDP on Technology- Innovations, challenges and solutions	12-08-2021	17-08-2021
Devi Singh	One Week Online FDP on Progression to Smart Buildings in Indian Context	10-01-2022	14-01-2022
Devi Singh	FDP on Holistic Development and Outcome Based Innovative Teaching	14-02-2022	20-02-2022
Devi Singh	Online UHV Refresher I Part I FDP organised by AICTE	21-02-2022	25-02-2022
Devi Singh	Online Workshop on The Science and Art of Well-being	25-04-2022	29-04-2022
Devi Singh	One Week Online FDP on Research	02-05-2022	07-05-2022



	Methodology		
Jyoti Chawla	FDP on Contemporary Advances in Sustainable and Integrated Infrastructure	02-08-2021	06-08-2021
Jyoti Chawla	FDP on Green Technology and Sustainability Management	01-07-2021	05-07-2021
Jyoti Chawla	FDP on Soft Skills and Personality Development organised by AICTE	13-06-2022	17-06-2022
Jyoti Chawla	One Week FDP on ICT Tools for effective Teaching and Learning	23-05-2022	28-05-2022
Jyoti Chawla	AICTE-ISTE approved Orientation/Refresher Programme on Technology Driven Healthcare Systems	18-01-2022	24-01-2022
Jyoti Chawla	One Week FDP on Research Methodology	02-05-2022	07-05-2022
Jyoti Chawla	FDP on MATLAB for Engineering Applications organised by AICTE	30-05-2022	03-06-2022
Kapil Gupta	FDP on Design Thinking for Manufacturing Excellence	06-09-2021	10-09-2021
Kapil Gupta	NPTEL Online Certification Course on Experimental Physics III	19-01-2022	14-04-2022
Kapil Gupta	AICTE recognised STP on Water Resource Management	07-03-2022	11-03-2022
Kapil Gupta	FDP on MATLAB for Engineering Applications	30-05-2022	03-06-2022
Neeraj Kumari	FDP on Effective writing and publishing of research paper in SCI, SCOPUS, ABDC indexed journals	02-08-2021	06-08-2021
Neeraj Kumari	FDP on Technology- Innovations, challenges and solutions	12-08-2021	17-08-2021
Neeraj Kumari	FDP on Inculcating Universal Human Values in Technical Education	22-11-2021	26-11-2021
Neeraj Kumari	FDP on Storytelling and influencing; Communicate with impact	13-07-2021	24-08-2021
Neeraj Kumari	Online FDP on UHV Refresher I part I organised by AICTE	21-02-2022	25-02-2022
Neeraj Kumari	One Week FDP on Research Methodology	02-05-2022	07-05-2022
Neeraj Kumari	Online Workshop on The Science and Art of Well Being	25-04-2022	29-04-2022
Neeraj Kumari	FDP on MATLAB for Engineering Applications organised by AICTE	30-05-2022	03-06-2022
Neeraj Kumari	Online FDP on UHV-II organised by All India Council for Technical Education(AICTE)	23-05-2022	28-05-2022
Pooja Khurana/Sachdeva	ATAL FDP on Data Science with Statistical Methods using R Programming	21-06-2021	25-06-2021
Pooja Khurana/Sachdeva	FDP on MATLAB: An Effective Tool for Academics and Research	05-07-2021	09-07-2021
Pooja Khurana/Sachdeva	FDP on Life Skills for Blissful Life	13-12-2021	17-12-2021
Pooja Khurana/Sachdeva	FDP on Recent Developments in Mathematical Sciences and Engineering	22-12-2021	26-12-2021
Pooja Khurana/Sachdeva	Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Pooja Khurana/Sachdeva	Hands on workshop on Instrument Assisted Soft tissue Mobilization (IASTM)	07-10-2021	08-10-2021
Pooja Khurana/Sachdeva	Faculty Development Program on Precision Health Technology (FDPHPT-2021)	04-08-2021	08-08-2021

Pooja Khurana/Sachdeva	FDP on Mathematical Analysis	04-01-2022	10-01-2022
Pooja Khurana/Sachdeva	FDP on OBE and NBA Accreditation recognised by AICTE	23-05-2022	27-05-2022
Pooja Khurana/Sachdeva	FDP on MATLAB for Engineering Applications recognised by AICTE	30-05-2022	03-06-2022
Rajeev Kumar	FDP on Green Technology and Sustainability Management	01-07-2021	05-07-2021
Rajeev Kumar	FDP on Contemporary Advances in Sustainable and Integrated Infrastructure	02-08-2021	06-08-2021
Rajeev Kumar	AICTE recognised STP on Water Resource Management	07-03-2022	11-03-2022
Sandeep Srivastava	FDP on Electric Vehicle Technology: Opportunities & Challenges	06-12-2021	10-12-2021
Sandeep Srivastava	FDP on Contemporary Advances In Sustainable and Integrated Infrastructure	02-08-2021	06-08-2021
Sandeep Srivastava	ATAL OnlineFDP on Waste Technology	11-01-2022	15-01-2022
Sandeep Srivastava	ATAL Online FDP on Recent Advances In Nanoscience And Nanotechnology	17-01-2022	21-02-2022
Sandeep Srivastava	One Week Online FDP on Progression to Smart Buildings in Indian Context	10-01-2022	14-01-2022
Sandeep Srivastava	AICTE FDP on MATLAB for Engineering Applications	30-05-2022	03-06-2022
Sandeep Srivastava	AICTE recognised STP on Water Resource Management	07-03-2022	11-03-2022
Shagufta Jabin	FDP on Contemporary Advances In Sustainable and Integrated Infrastructure	02-08-2021	06-08-2021
Shagufta Jabin	FDP on Green Technology and Sustainability Management	01-07-2021	05-07-2021
Shagufta Jabin	FDP on Effective Academic Practices	10-01-2022	14-01-2022
Shagufta Jabin	AICTE Recognised STC on Artificial Intelligence & Big Data Analysis of Electrical Engineering (in Collaboration with Math Works) through ICT	07-03-2022	11-03-2022
Usha	FDP on MATLAB for Engineering Applications recognised by AICTE	30-05-2022	03-06-2022
Vijay Kumar	FDP on Life Skills for Blissful Life	13-12-2021	17-12-2021
Vijay Kumar	FDP on Recent Developments in Mathematical Sciences and Engineering	22-12-2021	26-12-2021

### c. Events Organised: 2021-22

Title	From Date	To Date
STC on MATLAB for Engineering Applications in collaboration with NITTTR Chandigarh	30-05-2022	03-06-2022



**d. Faculty Research Papers: 2021-22**

<b>Title of Paper</b>	<b>Name of Authors</b>	<b>Name of Journal</b>	<b>Year of Publication</b>
A Study On Recruitment And Selection Practices In Higher Educational Institutions	Rahul Kumar & Neeraj Kumari	SHODH SANCHAR BULLETIN	2021-22
A Two-Layered Model of Blood Flow for Stenosed Artery along with the Peripheral Layer	S. Kumar, S. Kumar, D. Kumar, A. Kumar	Series of Biomechanics	2021-22
Analytical study of electromagnetic ion cyclotron wave for ring distribution with AC electric field in Saturn magnetosphere	Kumari Neeta Shukla, Devi Singh and R. S. Pandey	Journal of Physics Conference Series	2021-22
Attracting Customers Through Brand Building Strategies	Neeraj Kumari	Journal of Xi'an University of Architecture & Technology	2021-22
Behavior And Profit Analysis Of A Thresher Plant Under Steady State	Sunita Kumari, Pooja Khurana & Shakuntla Singla	International Journal of System Assurance Engineering and Management	2021-22
Comparative analysis of XPM induced crosstalk due to 4OD coefficient in SCM-WDM link	Vikram Singh, Sarvesh Kumar, Pradeep Kumar Dimri	Optik	2021-22
Convergence Analysis of Picard-S Hybrid Iteration Scheme for Multi-Valued Map Having a Fixed Point	Sharma, N. and Saxena, A.,	TWMS J. App. Eng. Math.	2021-22
Copolymerization Of O-Phenylenediamine And 3-Amino-5 – Methylthio-1H-1,2,4 Triazole For Tuned Optoelectronics Properties And Its Antioxidant Studies	Deepali Khokhar, S. Jadoun, R. Arif, Shagufta Jabin and Vaibhav Budhiraja	Journal of Molecular Structure	2021-22
Covid-19 Forecasting A Statistical Approach	Arti Saxena, Falak Bhardwaj and Vijay Kumar	Bangladesh Journal of Medical Science	2021-22
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	Madhvi Nayyar, Rajeev Kumar, Jyoti Chawla	Water Practice and Technology	2021-22

Diverging Women on the Mommy Track to the Career Track	Sunaina Arora & Neeraj Kumari	Journal of International Women's Studies	2021-22
Dye Extracted From Bael Leaves As A Photosensitizer In Dye Sensitized Solar Cell	Samah Alhorani, Sarvesh Kumar, Mahaveer Genwa and P L Meena	Materials Research Express	2021-22
Effect of annealing and swift heavy ions irradiation on vanadium oxide thin films	Kapil Gupta, Sarvesh Kumar and Rahul Singhal	Radiation Effects and Defects in Solids	2021-22
Effect Of Polyvinyl Alcohol On The Physico-Chemical Properties Of Soil And Soil-Amino Acid Interaction	Jamal. A.Khan, Shagufta Jabin and Priti Gupta	Eurasian Journal of Soil Science	2021-22
Facile Synthesis Of The Chemically Oxidative Grafted Copolymer Of 2,6-Diaminopyridine (Dap) And Thiophene (Th) For Optoelectronic And Antioxidant Studies	Deepali Khokhar, Sapana Jadoun, Rizwan, Shagufta Jabin and Dhirender Singh Rathore	Journal of Molecular Structure	2021-22
Fixed Point Theorems Of Fuzzy Partial Metric Spaces	A.Tehlan, V. Kumar	Turkish World Mathematical Society Journal of Applied and Engineering Mathematics This link is disabled,	2021-22
Health Impacts Of Environmental Noise Pollution On Urban Community	Neeraj Kumari & Devi Singh	Journal of Xi'an University of Architecture & Technology	2021-22
Herbal Medicinal Based Approach For Alzheimer Disease - A Mathematical Model	Komal Arora, Pooja Khurana, Deepak Kumar	International Journal of Current Research and Review	2021-22
Imagining benefits and challenges for future hybrid workplace to enable re-entry for women on career break	Sunaina Arora & Neeraj Kumari	Int. J. Networking and Virtual Organisations	2021-22
Impact Of Hot Injected Beam On Whistler Mode With Alternating Electric Field (Ac) In The Magnetosphere Of Saturn	Kumari Neeta Shukla, Devi Singh and R. S. Pandey	Journal of Physics Conference Series	2021-22
Infrastructural Developments In The Private Technical Educational Institutions	Neeraj Kumari	Sumerianz Journal of Business Management and Marketing	2021-22



Performance of dye-sensitized solar cells extracted dye from wood apple leaves	Alhorani, S., Kumar, S., Genwa, M., Meena, P.L.	Journal of Physics Communications	2021-22
Polyelectrolytes As A Material Of Value In Water Treatment A Review	ShaguftaJabin, Priti Gupta & Mukta Sharma	Asian Journal of Water, Env. & Pollution	2021-22
Rap Via Constraint Optimization Genetic Algorithm	Sunita Kumari, Pooja Khurana & Shakuntla Singla	Life Cycle Reliability and Safety Engineering	2021-22
Solution Of Constrained Problems Using Particle Swarm Optimization	Sunita Kumari, Pooja Khurana, Shakuntla Singla & Arun Kuma	International Journal of System Assurance Engineering and Management	2021-22
Studying The Dimensions Of Corporate Culture In Indian It Companies	Neeraj Kumari, Sonal Pathak, Swati Watts, Devi Singh	World Journal of Educational Research (WJER)	2021-22
Tuning the spectral, thermal and morphological properties of Poly(o-phenylenediamine-co-vanillin	Dipali Khokhar, Sapana Jadoun, Rizwan Arif and Shagufta Jabin	Materials Research Innovations	2021-22

#### e. Book Chapters: 2021-22

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference
Arti Saxena	Creditworthiness assessment using natural language processing	NA	Deep Natural Language Processing and AI Applications for Industry 5.0
Arti Saxena	NA	Modeling Covid-19 Transmission Dynamics Using Machine Learning Techniques	EAI/Springer Innovations in Communication and Computing
Deepak Kumar	NA	Mathematical modeling of type -2 diabetes mellitus as a risk factor for cancer	Journal of Physics Conference Series
Deepak Kumar	Analysis of Epidemiology Integrating Computational Models	NA	Cognitive Computing System

Devi Singh	NA	Impact of hot injected beam on whistler mode with alternating electric field (AC) in the magnetosphere of Saturn	Journal of Physics Conference Series
Devi Singh	NA	Analytical study of electromagnetic ion cyclotron wave for ring distribution with AC electric field in Saturn magnetosphere	Journal of Physics Conference Series
Jyoti Chawla	NA	Modeling Covid-19 Transmission Dynamics Using Machine Learning Techniques	EAI/Springer Innovations in Communication and Computing
Kalpna Varshney	NA	Metal air battery A sustainable and low cost material for energy storage	Journal of Physics Conference Series
Mukta Sharma	NA	Fundamental and Principles of Green Synthesis	Advances in Science, Technology and Innovation
Pooja Khurana	NA	Mathematical modeling of type -2 diabetes mellitus as a risk factor for cancer	Journal of Physics Conference Series
Pooja Khurana	Analysis of Epidemiology Integrating Computational Models	NA	Cognitive Computing System
Pradeep K Varshney	NA	Metal air battery A sustainable and low cost material for energy storage	Journal of Physics Conference Series
Rajeev Kumar	NA	Modeling Covid-19 Transmission Dynamics Using Machine Learning Techniques	EAI/Springer Innovations in Communication and Computing
Vijay Kumar	NA	Modeling Covid-19 Transmission Dynamics Using Machine Learning Techniques	EAI/Springer Innovations in Communication and Computing
Richa Gupta and Deepak Kumar	Mathematical Models on Diabetes Mellitus and Its Complications	NA	NA



Khushali Tyagi, Deepak Kumar, Richa Gupta	NA	Application of Genetic Algorithm to optimize the Age-wise and Gender-wise growth of diabetes population in India	International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON)
Bhanu Sharma, Deepak Kumar, Pooja Khura	NA	Computational model of SIR and Age-Dependent Epidemic Disease	International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON)
Bura, D., Singh, M., ndal, P., Khura, P.	NA	Efficient Hybrid Technique for Devanagari Numerals Recognition	International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON)
Sharma, B., Kumar, D., Khura, P.	NA	Computational model of SIR and Age-Dependent Epidemic Disease	International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON)
Richa Gupta and Deepak Kumar	Mathematical Models on Diabetes Mellitus and its Complications	NA	NA
Khushali Tyagi, Deepak Kumar, Richa Gupta	NA	Application of Genetic Algorithm to optimize the Age-wise and Gender-wise growth of diabetes population in India	International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON)
Sharma, B., Kumar, D., Khura, P.	NA	Computational model of SIR and Age-Dependent Epidemic Disease	International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON)
Vijay Kumar, Jyoti Chawla, Rajeev Kumar and Arti Saxe	(Book Chapter) Modeling Covid-19 Transmission Dynamics Using Machine Learning Techniques	NA	NA
Deepak Kumar and Pooja Khura	NA	Mathematical Modeling of Type -2 Diabetes Mellitus as a Risk Factor for Cancer-Journal of Physics: Conference Series, Vol. 1850 - 012053.	NA
Deepak Kumar and Pooja Khura	Ebling Healthcare 4.0 for Pandemics: A Roadmap Using AI, Machine Learning, IoT and Cognitive Technologies	Mathematical Insight of COVID-19 Infection—A Modeling Approach	NA

Poom Tanwar, Arti Saxena	Deep natural Language Processing and AI Applications for Industry 5.0.	NA	NA
Arti Saxena	Creditworthiness Assessment Using natural Language Processing	Deep natural Language Processing and AI Applications for Industry 5.0.	NA
. Neeraj Kumari	Role of employee welfare policies in increasing job satisfaction	NA	NA

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

<b>Board of Faculty</b>			
1	Dr. Pardeep Kumar	Professor & PVC	Chairman & Dean
2	Dr. Geeta Nijhawan	Professor & Associate Dean	Member
3	Dr. Sarita Sachdeva	Professor & Head -BT & ED & Dean Research	Member
4	Dr. Supriya Panda	Professor & Head-CSE	Member
5	Dr. Tapas Kumar	Professor & Head-CSE(Spl)	Member
6	Air Cdr Devender Sharma	Professor & Head Aero	Member
7	Dr. Devendra Vashisht	Professor & Head-Auto	Member
8	Dr. Leena G.	Professor & Head-EEE	Member
9	Dr. Sunita Bansal	Professor & Head-Civil	Member
10	Dr. Abhiruchi Passi	Professor & Head-ECE	Member
11	Dr. Manoj Nayak	Professor & Head-Mech	Member
12	Dr. Arunangshu Mukherjee	Professor & Head-Environmental Sciences	Member
13	Dr. Jyoti Chawla	Professor & Head-Applied Sciences	Member
14	Dr. Suresh Kumar	Professor-CSE	Member
15	Dr. Virender Narula	Professor-Mech	Member
16	Dr. Devi Singh	Professor-Applied Sciences	Member
17	Dr. Sadiqa	Professor-Civil	Member
18	Dr. Anjali Gupta	Professor, Civil	Member
19	Dr. Abhilasha Shouri	Professor-BT	Member
20	Dr. Anita Khosla	Professor EEE	Member
21	Dr. Kapila Kumar	Assistant Professor BT	Member
22	Ms. Simple Sharma	Assoc Professor-BT	Member
23	Mr. Arun Gaur	Assistant Professor Mech	Member
24	Dr. T.V. Vijay Kumar	Professor	Member
25	Sh. Vigaruddin Surki	Delivery Head	Member
26	Dr. Naresh Grover	PVC & Dean Academics	Special Invitee



### Board of Studies

Department of Applied Sciences			
1	Dr. Jyoti Chawla	Professor & Head-Dept of Applied Sciences	Chairman
2	Dr. Devi Singh	Professor, Dept of Applied Sciences	Member
3	Dr. Vijay Kumar	Professor, Dept of Applied Sciences	Member
4	Dr. Anupama Rajput	Professor, Dept of Applied Sciences	Member
5	Dr. Deepak Kumar	Professor, Dept of Applied Sciences	Member
6	Dr. Shagufta Jabin	Associate Professor, Dept of Applied Sciences	Member
7	Dr. Nisha Bansal	Associate Professor, Dept of Applied Sciences	Member
8	Mr. Kapil Gupta	Assistant Professor, Dept of Applied Sciences	Member
9	Dr. Kalpna Varshney	Assistant Professor, Dept of Applied Sciences	Member
10	Dr. Pardeep Kumar	PVC, MRIIRS	Special invitee
11	Dr. P. K. Bhatnagar	Professor Emeritus, Dept. of Electronic Science, Delhi University, Delhi	External Member
12	Dr. Vikas Bhardwaj	Sr. Scientist , NCEGR, Geological Survey of India, Faridabad	External Member
13	Dr. Y. K. Sharma	Associate Professor, Maths, Manav Rachna University, Faridabad	External Member

Department of Aeronautical Engineering			
1	Air Cmde. Devender Sharma	Professor & Head, Dept. of Aeronautical Engg.	Chairman
2	Dr. Virender Narula	Professor, Dept. of Mechanical Engg.	Member
3	Col (R) Sachin Marwah	Associate Professor, Dept. of Aeronautical Engg.	Member
4	Ms. Sonal Gupta	Assistant Professor, Dept. of Aeronautical Engg.	Member
5	Mr. Vishal Antil	Assistant Professor, Dept. of Aeronautical Engg.	Member
6	Mrs. Sabiha Parveen	Assistant Professor, Dept. of Aeronautical Engg.	Member
7	Dr. R S Tarnacha	Professor, Dept of Aeronautical Engg., Amity University, Noida	External Member
8	Dr. Balraj Gupta	Former Director (Scientist G) Aerial Delivery Research and Development Establishment	External Member

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	Associate Professor, BT	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	External Member
11	Dr. Neera Kapoor	Professor	External Member

<b>Department of Civil Engineering</b>			
1	Dr. Sunita Bansal	Professor & HOD, Dept. of Civil Engineering, FET	Chairman
2	Dr. Sadiqa Abbas	Professor, Dept. of Civil Engineering, FET	Member
3	Dr. Anjali Gupta	Professor, Dept. of Civil Engineering, FET	Member
4	Dr. Dev Dutt	Associate Professor, Dept. of Mechanical Engineering, FET	Member
5	Mr. Aftab Alam	Assistant Professor, Dept. of Civil Engineering, FET	Member
6	Mr. Yaman Hooda	Assistant Professor, Dept. of Civil Engineering, FET	Member
7	Dr. Anil Sahu	Professor, Dept. of Civil Engineering, Delhi Technological University, Delhi	External Member
8	Dr. Krishan Mohan	Former Director General, National Council for Cement and Building Materials, Ballabgarh	External Member
<b>Department of Computer Science and Engineering</b>			
1	Dr. Supriya P. Panda	Professor & Head (CSE)	Chairperson
2	Dr. Suresh Kumar	Professor	Member
3	Dr. Brijesh Kumar	Professor	Member
4	Dr. Indu Kashyap	Professor	Member
5	Dr. Meenakshi	Professor	Member
6	Dr. Charu Virmani	Professor	Member
7	Dr. Subhajit Ghosh	Professor	Member
8	Ms. Simple Sharma	Associate Professor	Member
9	Dr. Seema Verma	Associate Professor	Member
10	Dr. Deepa Bura	Assistant Professor	Member
11	Ms. Manisha Vashisht	Assistant Professor	Member
12	Dr. Komal Bhatia	Professor	External Member
13	Er. N K Garg	Vice President	External Member
<b>Department of Mechanical Engineering</b>			
1	Dr. Manoj Nayak	Professor & Head, Dept. of Mechanical Engineering	Chairman
2	Dr. Basanta K. Bhuyan	Professor, MED	Member
3	Dr. Virender Narula	Professor, MED	Member
4	Dr. Abhishek Kumar	Associate Professor, MED	Member
5	Dr. Devdutt	Associate Professor, MED	Member
6	Dr. Rajender Kumar	Asst. Professor, MED	Member
7	Mr. Anubhav Khandelwal	Asst. Professor, MED	Member
8	Dr. Sandeep Grover	Professor, Mechanical Engineering, YMCAUST, Faridabad	External Member
9	Mr. Nepal Singh	Chief Manager, NSIC, Neemka, Faridabad	External Member
<b>Department of Electronics &amp; Communication Engineering</b>			
1	Dr. Abhiruchi Passi	Professor & Head, ECE	Chairman



2	Dr. Naresh Grover	Professor & PVC, MRIIRS	Member
3	Dr. Geeta Nijhawan	Professor & Associate Dean, FET	Member
4	Dr. Yogender Kumar Awasthi	Professor	Member
5	Dr. Vimlesh Singh	Associate Professor, ECE	Member
6	Dr. Umesh Dutta	Associate Professor, ECE & Director, MRIIC	Member
7	Dr. Jyoti Verma	Assistant Professor	Member
8	Ms. Perna Kakkar	Assistant Professor, ECE	Member
9	Dr. Munish Vashishth	Professor, JC Bose University, FBD	External Member
10	Mr. Saurabh Garg	Agnity Communications Pvt Ltd.	External Member

#### Department of Electrical & Electronics Engineering

1	Dr. Leena G.	Professor & Head, EEE, FET, MRIIRS	Chairperson
2	Dr. Geeta Nijhawan	Professor & Associate Dean, FET	Member
3	Dr. Anita Khosla	Professor, EEE, FET, MRIIRS	Member
4	Dr. Vimlesh Singh	Associate Professor, EEE, FET, MRIIRS	Member
5	Dr. Ashish Grover	Assistant Professor, EEE, FET, MRIIRS	Member
6	Dr. Amrinder Kaur	Assistant Professor, EEE, FET, MRIIRS	Member
	Dr. Richa Adalakha	Assistant Professor, EEE, FET, MRIIRS	Member
7	Dr. Abdul Quaiyum Ansari	Professor, Electrical Engineering Department, Faculty of Engineering & Technology, Jamia Millia Islamia Central University, New Delhi	External Member
8	Mr. Sunny Mittal	Regional Head-North East and SAARC1, Bosch Ltd, Building Technologies Division, Metro Station, Rishyamook, 85 A, PanchkuianMarg, Connaught Place, New Delhi	External Member

#### Department of Automobile Engineering

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

### 3.2 FACULTY OF COMMERCE & BUSINESS STUDIES

#### Name of Departments:

#### S.No. Name of Department

1. Department of Commerce
2. Department of Business Studies

Programmes					
Name of the Faculty	Programme	Student Intake		Total Admissions	
		UG	PG	UG	PG
	BBA - General	110		101	
	BBA - Banking and Financial Market	20		21	
	BBA (Global)-IB	15		13	
	BBA – Digital Marketing	45		43	
	B.Com (Hons.)	60		64	
	M.Com		10		07

#### 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
Divya Gupta	Assistant Professor	Business Studies
Radha Pandit	Assistant Professor	Business Studies
Urvashi Sharma	Associate Professor	Business Studies
Neha Wadhawan	Associate Professor	Business Studies
Anjali Singh	Associate Professor	Business Studies
Ritika Kharbanda	Assistant 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
Ajoy Kumar Banerjee	Assistant Professor	Business Studies
Jayender Verma	Professor	Commerce
Ratika Agarwal	Assistant Professor	Commerce



Simran Kaur	Associate Professor	Commerce
Preeti Chhabra	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
Vibhooti Mishra	Assistant Professor	Commerce
Nidhi Tandon	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: 2021-22

Title of the Paper	Name of the author (s)	Student Author	Title of the Journal / Conference / Book
Empirical Analysis On Buying Behaviour Of Consumer Towards Cosmetic Products In Faridabad City	Shivani Malik, Simran Kaur	Shivani Malik	Journal of the Maharaja Sayajirao University of Baroda
Relationship between Social Media Advertising, E-marketing and Product Quality on Consumer Purchase Behaviour about Cosmetics	Shivani Malik, Simran Kaur	Shivani Malik	Journal of Jundishapur Journal of Microbiology
Impact of Social Media Marketing on Consumer Buying Behaviour Towards Cosmetic Products	Shivani Malik, Simran Kaur	Shivani Malik	Journal: SpecialusisUgdymas (SU)
Digital Marketing: A Key To Success IN	Uma Anurag, Simran Kaur	Uma Anurag	Book: MultiDimensional Aspects of Management-Editors Dr. Anjali Singh, Dr. Simran Kaur
Blended Traditional And Digital Marketing For Empowering Women Artisans: An Empirical Approach	Uma Anurag, Simran Kaur	Uma Anurag	Book: Women in Education and Work Life-Editors Dr. Himanshi Tiwari, Dr. Anna Majja Lamsa, Dr. Rupert Beinhauer
Systematic Literature Review on Digital Marketing in India: Present Scenario	Uma Anurag, Simran Kaur	Uma Anurag	International Conference on Advances in Management Practices
Systematic Literature Review on Digital Marketing in India: Present Scenario	Uma Anurag, Simran Kaur	Uma Anurag	International Conference on Advances in Management Practices

**b. Students benefited by career counseling and guidance for competitive Examinations: 2021-22**

Activity Description	No. of Participants
Digital Transformation-The way of Life	65
Career Opportunities in Banking Sector	50
Career Opportunities in Digital Marketing	29
Academic and Employable Opportunities with Commerce Under Graduates and Post Graduates	52



**c. Faculty members: Awards & Recognitions: 2021-22**

Name of Faculty Member	Awards/Recognition
Simran Kaur	Recognition for publishing patent: Role of Capital Market in Economics Development (12-11-2021)
Nidhi Tandon	Recognition for publishing patent: Mediating Effect of Consumer Awareness and Perceived value of Consumers in between factors of Green Marketing Mix and Buying Behaviour of Consumers using Structural Equation Modelling Algorithm (27-05-2022)

**d. FDPs / Workshops / Conferences Attended by Faculty members: 2021-22**

Name of Faculty Member	Title of FDP/Workshop/Conference	Date from	Date to
Arkaja Garg	FDP on Understanding Human Behaviours in Organizations	17-08-2021	21-08-2021
Arkaja Garg	FDP on Developing Real Life Case Studies	20-12-2021	24-12-2021
Arkaja Garg	FDP on Business Start-ups and Innovation Management recognised by AICTE	06-06-2022	10-06-2022
Arun Vashista	FDP on "Research Methodology"	21-09-2021	05-10-2021
Arun Vashista	FDP on "Advanced Research Methodology"	20-08-2021	03-09-2021
Arun Vashista	FDP on Business Start-ups and Innovation Management recognised by AICTE	06-06-2022	10-06-2022
Arun Vashista	AICTE Training And learning(ATAL)Academy Online Elementary FDP on Research Methodology	26-07-2021	30-07-2021
Arun Vashista	Online Two Week Interdisciplinary Refresher Course-FDP on Research Methodology	21-09-2021	05-10-2021
Arun Vashista	Online Two Week Interdisciplinary Refresher Course/FDP Advanced Research Methodology	20-08-2021	03-09-2021
Jayender Verma	FDP on Business Start-ups and Innovation Management recognised by AICTE	06-06-2022	10-06-2022
Nidhi Tandon	FDP on "Digital Marketing"	26-07-2021	30-07-2021
Nidhi Tandon	FDP on "Strategy: Concept and Application"	22-10-2021	26-10-2021
Priyanka Srivastava	FDP on Effective Teaching Learning using Social Media recognised by AICTE	06-06-2022	10-06-2022
Shilpa Bhatia	FDP on Effective Teaching Learning using Social Media recognised by AICTE	06-06-2022	10-06-2022
Simran Kaur	Faculty Development Program on "Organizational Behavior"	12-07-2021	16-07-2021
Simran Kaur	FDP on "Developing Real Life Case Studies	20-12-2021	24-12-2021
Simran Kaur	FDP on NEP 2020 Implementation in Higher Education Institutes recognised by AICTE	09-05-2022	13-05-2022
Simran Kaur	FDP on Business Start-ups and Innovation Management recognised by AICTE	06-06-2022	10-06-2022
Vibhooti Mishra	FDP on "Research Methodology"	21-09-2021	05-10-2021
Vibhooti Mishra	FDP on "Advanced Research Methodology"	20-08-2021	03-09-2021

Vibhooti Mishra	FDP on "FinTech: Innovation and Transformation in Financial Market and Investment Strategies	05-07-2021	09-07-2021
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#### e. Events Organised: 2021-22

Title	From Date	To Date
Faculty Recharge Program on A deep dive into the areas of research and publications-Professional Development Program for teaching staff	12-11-2021	12-11-2021
ATAL Faculty Development Program on Developing Real Life Case Studies-Professional Development Program for teaching staff	20-12-2021	24-12-2021
STC on Entrepreneurship Development and Industrial Coordination in collaboration with NITTTR Chandigarh	06-06-2022	10-06-2022
STC on Effective Teaching Learning using Social Media in collaboration with NITTTR Chandigarh	06-06-2022	10-06-2022

#### f. Faculty Research Papers: 2021-22

Title of Paper	Name of Authors	Name of Journal	Year of Publication
An Investigation of Consumer Psychology and Perceptions and their Impact on Performance Management	Dr Nidhi Tandon	Vidyabharati International Interdisciplinary Research Journal (Special Issue)	2021-22
Circular Trading: Detection Algorithm Based on Graph Theory	Monika Goel	Design Engineering	2021-22
Corporate Social Responsibility & Sustainable Business	Preeti Chhabra	The Journal of Oriental Research Madras	2021-22
Determinants Of Consumer Preference Towards Private Label And Manufacturer Brands In Organized Packaged Food Retailing: A Factor Analysis Approach	Dr Nidhi Tandon and Dr Jayender Verma	International Journal of Indian Culture and Business Management	2021-22
Empirical Analysis On Buying Behaviour Of Consumer Towards Cosmetic Products In Faridabad City	Simran Kaur	Journal of the Maharaja Sayajirao University of Baroda	2021-22
Evolution of Indian Tax System – Tax Policy, e-initiatives and administrative reforms	Monika Goel	SPECIALUSIS UGDYMAS / SPECIAL EDUCATION	2021-22
Impact of Goods And Service Tax on Tourism Industry with Focus on Tour Operator and Hotel Industry	Monika Goel	International Journal of Mechanical Engineering	2021-22
Impact of Social Media Marketing on Consumer Buying Behaviour Towards Cosmetic Products	Simran Kaur	SpecialusisUgdymas (SU)	2021-22
Income Tax reforms – Transforming Tax administration through Faceless	Monika Goel	SPECIALUSIS UGDYMAS / SPECIAL EDUCATION	2021-22



Assessment			
Journal of equation Modeling Approach to Shaping of Differences in private label adoption in groceries segment	Nidhi Tandon and Jayender Verma	Journal of Contemporary Issues in Business and Government	2021-22
Price-An Overhyped Indicator in Tourism	Monika Goel	Natural Volatiles &Essential Oils	2021-22
Relationship between Social Media Advertising, E-marketing and Product Quality on Consumer Purchase Behaviour about Cosmetics	Simran Kaur	Journal of Jundishapur Journal of Microbiology	2021-22
Work Stress Management in an Organisation with the Role of HRM	Preeti Chhabra	Journal of Positive School Psychology	2021-22

#### g. Book Chapters: 2021-22

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference
Nidhi Tandon	Transforming Management Using Artificial Intelligence Techniques, Chapter 7 Contemporary Trends in Education Transformation Using Artificial Intelligence	NA	NA
Simran Kaur	Transforming Management Using Artificial Intelligence Techniques, Chapter 7 Contemporary Trends in Education Transformation Using Artificial Intelligence	NA	NA
Anjali Singh, Simran Kaur	Multidimensional Aspects of Management.	Innovation Management in Present Indian Scenario	NA
Amit Seth, Monika Goel	Real Life Management Case Studies-Developed In Factual Conversation with Industry Leaders, Bhartiya Valves Pvt Ltd.- A Case of Entrepreneurial Excellence	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, Sandeep Tandon and Simran Kaur	MultiDimensional Aspects of Management	NA	Digital Transformation for Sustainability of Business
Simran Kaur and Uma Anurag	MultiDimensional Aspects of Management	NA	Digital Marketing: A Key To Success
Nidhi Tandon, Jayender Verma and Simran Kaur	MultiDimensional Aspects of Management	NA	The Relationship Between Entrepreneurship and Strategic Management Concept
Simran Kaur, Tanmay Mishra, Santhi Naryanan, Rishabh Tandon	REAL LIFE MANAGEMENT CASE STUDIES	NA	Case Study- People Management Strategies during Pandemic Times to New Normal
Gurpreet Singh Matharou Simran Kaur	Selection and Fabrication of HMMC (AL6063-SIC-B4C-MG)', 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: 2021-22

Activity Description	No. of Participants
EXCEL O MANIA	75
Communication and Leadership	115
Career Counseling: Electives and MOOCs courses	50



**b. Student progression to higher education during the year: 2021-22**

<b>Name of students enrolled for higher education</b>	<b>Graduated from which Programme</b>	<b>Name of institution joined</b>	<b>Admitted to (Name of Programme)</b>
Abhishek	B.Com (Hons)	Maharshi Dayanand University Rohtak Haryana	MBA
Bhumika Sharma	B.Com (Hons)	Manav Rachna International Institute of Research and Studies, Haryana	MBA
Dipanshu Sapra	B.Com (Hons)	Manav Rachna University, Haryana	MBA
Khushi Singla	B.Com (Hons)	Inter-National Institute of Fashion Design, Delhi	PG Fashion Design
Manvi Mittal	B.Com (Hons)	Manav Rachna International Institute of Research and Studies, Haryana	MBA
Muskan Aggarwal	B.Com (Hons)	Jagannath Institute of Management Studies, Delhi	PGGM(IB)
Payal Mittal	B.Com (Hons)	Rawal Institute of Management, Haryana	MBA
Resham Sharma	B.Com (Hons)	Graphic Era University, Dehradun	MBA
Vanshika Mittal	B.Com (Hons)	Jagannath Institute of Management Studies, Delhi	PGGM(IB)
Akansha Bhatia	B.Com (Hons)	The Institutes of cost accountants of India, Delhi	CMA
Gulshan	B.Com (Hons)	Chandigarh University, Chandigarh	MBA
Jiya Dubey	B.Com (Hons)	Manav Rachna International Institute of Research and Studies, Haryana	M Com
Sheetal Chawla	B.Com (Hons)	Amity University Noida U.P.	MBA
Vivek Yadav	B.Com (Hons)	International School of Business & Media, Nande, Pune	PGDM
Yash Chopra	B.Com (Hons)	Management Education and Research Institute, IPU	MBA
Yashika Chopra	B.Com (Hons)	Management Education and Research Institute, IPU	MBA

Chirag Ahuja	B.Com (Hons)	NarseeMonjee Institute of Management Studies, Mumbai	DBFM
Komal Bhadana	B.Com (Hons)	Manav Rachna International Institute of Research and Studies, Haryana	M Com
Tanmay Goyal	B.Com (Hons)	JC Bose University of Science and Technology, Haryana	MBA
Ayush Nagar	B.Com (Hons)	Manav Rachna International Institute of Research and Studies, Haryana	MBA
Deepak Dayma	B.Com (Hons)	KIIT College of engineering	MBA
Tanisha Bhardwaj	B.Com (Hons)	Graphic Era, Dehradun, U.P.	MBA
Chetna	Bachelor of Business Administration-General	Sault College Toronto Campus, Canada	Global Business Management
Sahil Gandhi	Bachelor of Business Administration-General	New Delhi Institute of Management, Delhi	PGDM
Yuvraj Sharma	Bachelor of Business Administration-General	ICFAI Business School (IBS) - Gurugram	PGDM
Akshay	Bachelor of Business Administration-General	Swami Vivekanand Subharti Univ	MBA
Anshika Verma	Bachelor of Business Administration-General	Bhartiya VidyaPeeth, Delhi	MBA
Nisha Mehra	Bachelor of Business Administration-General	Indira Gandhi National Open University -IGNOU, Delhi	MBA
Vivek Kumar Roy	Bachelor of Business Administration-General	Sharda School of Business Studies, U.P.	MBA
Nida Ahmad	Bachelor of Business Administration-General	Jamia Millia Islamia, Delhi	MBA
Vartika Sinha	Bachelor of Business Administration-General	Birla Institute of Technology	MBA
Hardik Sharma	Bachelor of Business Administration-General	Amity University, Noida, U.P.	LLB



Tanya Shah	Bachelor of Business Administration-General	Pearl Academy, Delhi	PG Fashion Designing
Ritika Singh	Bachelor of Business Administration-General	LLM	MBA
Vanshika Vats	Bachelor of Business Administration-General	Graphic Era University, Dehradun	MBA
Sanya Ahluwalia	Bachelor of Business Administration-General	Lal Bahadur Shastri Institute of Management Business school in Delhi	PGDBM
Pulkit Gupta	Bachelor of Business Administration-General	Regent University London	MBA
Ritvik Vaid	BBA GENERAL MRIIRS	Guru Gobind Singh Indraprastha University, New Delhi	MBA

### c. FDPs/Conferences Attended: 2021-22

Name of the Faculty member	Title of the Event	Date From	Date to
Anjali Singh	FDP on Developing Real Life Case Studies	20-12-2021	24-12-2021
Anjali Singh	Problem based teaching learning process	25-10-2021	29-10-2021
Anjali Singh	FDP on Effective Teaching Learning using Social Media recognised by AICTE	06-06-2022	10-06-2022
Anjali Singh	FDP on NEP 2020 Implementation in Higher Education Institutes recognised by AICTE	09-05-2022	13-05-2022
Arvind Dalal	FDP on Effective Teaching Learning using Social Media recognised by AICTE	06-06-2022	10-06-2022
Narinder Tanwar	FDP on Developing Real Life Case Studies	20-12-2021	24-12-2021
Narinder Tanwar	FDP on Effective Teaching Learning using Social Media recognised by AICTE	06-06-2022	10-06-2022
Neha Wadhawan	FDP on Developing Real Life Case Studies	20-12-2021	24-12-2021
Urvashi Sharma	Leadership Mastery through self management	27-12-2021	31-12-2021

Urvashi Sharma	FDP on Effective Teaching Learning using Social Media recognised by AICTE	06-06-2022	10-06-2022
Urvashi Sharma	FDP on NEP 2020 Implementation in Higher Education Institutes recognised by AICTE	09-05-2022	13-05-2022

#### d. Faculty members: Awards & Recognitions: 2021-22

Name of Faculty Member	Awards/Recognition
Madhumita Mahapatra	Recognition for publishing patent: Method For Effective Medical Supply Management Using Blockchain And Machine Learning (18-06-2021)
Neha Wadhawan	Recognition for publishing patent: Smart Safety Bracelet (09-10-2021)
Amit Kumar	Recognition for Patent Published Titled: Smart Production Monitoring and Management System (05-01-2022)
Amit Kumar	Recognition for publishing patent: Design of Solar Extension Board
Madhumita Mahapatra	Recognition for publishing patent: Design of Solar Extension Board
Neha Wadhawan	Recognition for publishing patent: Design of Solar Extension Board
Priyanka Bhayana	Recognition for publishing patent: Design of Solar Extension Board
Priyanka Bhayana	Recognition for publishing patent: Smart Production Monitoring and Management System (05-01-2022)
Kirti Khanna	Recognition for publishing patent: Bitcoin Price Prediction Technique using Artificial Intelligence And Machine Learning (07-01-2022)
Vinit Sikka	Patent Published & Under Examination: A Algorithm based on Deep Learning for the Detection of Covid-19 Infections (14-01-2022)
Anjali Singh	Patent Published & Under Examination: A Algorithm based on Deep Learning for the Detection of Covid-19 Infections (14-01-2022)

#### e. Events Organised: 2021-22

Title	From Date	To Date
Faculty Recharge Program on A deep dive into the areas of research and publications-Professional Development Program for teaching staff	12-11-2021	12-11-2021
ATAL Faculty Development Program on Developing Real Life Case Studies-Professional Development Program for teaching staff	20-12-2021	24-12-2021
STC on Entrepreneurship Development and Industrial Coordination in collaboration with NITTTR Chandigarh	06-06-2022	10-06-2022
STC on Effective Teaching Learning using Social Media in collaboration with NITTTR Chandigarh	06-06-2022	10-06-2022



**f. Faculty Research Papers: 2021-22**

Title of Paper	Name of The Author/S	Name of Journal	Year of Publication
Human Development Equally Important For Economic Development	Urvashi Sharma, Arvind Dalal and Rk Arya	Turkish Journal of Computer and Mathematics Education	2021-22
Interest Rate Certainty In Lost High Hopes On Growth Projection	Arvind Dalal and Rk Arya	Elementary education online	2021-22
Nature And Dimension Of Business Risk In Downstream Natural Gas Distribution	Narinder Tanwar	PSYCHOLOGY AND EDUCATION	2021-22
Post Merger Financial Analysis On Bank Mega Merger An Empirical Study 2019-20	Neha Wadhawan, Priyanka Bhayana, Madhumita Mahapatra, Amit Kumar	Elementary education online	2021-22
Tricky Growth	Urvashi Sharma and Rk Arya	Elementary education online	2021-22

**g. Book Chapters: 2021-22**

Name of the Teacher	Title of the book/chapters published	Title of the Paper	Title of the proceedings of the conference
Anjali Singh, Simran Kaur	Multidimensional Aspects of Management.	Innovation Management in Present Indian Scenario'	NA

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

Board of Faculty			
1	Dr. Monika Goel	Dean FCBS	<b>Chairperson</b>
2	Mr. Narinder Tanwar	Prof. & Head, Department of Business Studies	Member
3	Dr. Jayender Verma	Prof. & Head, Department of Commerce	Member
4	Dr. Rakesh Arya	Professor, Department of Business Studies	Member
5	Dr. Swati Watts	Associate. Professor., Department of Business Studies	Member
6	Ms. Nidhi Tandon	Asst. Professor. Department of Commerce	Member
7	Ms. Ratika Agarwal	Asst. Professor. Department of Commerce	Member
8	Ms. Alka Kapoor	Jt. Secretary (Sr. Grade)	Invitee
9	CA Manish Kumar	Partner	External Member
10	Dr. B S Bodla	Director,	External Member

<b>Boards of Studies</b>			
<b>Department of Business Studies</b>			
1	Dr. Narender Tanwar	Professor & Head Dept. of Business Studies	Chairman
2	Dr. Amit Seth	Professor & Director, Dept. of Business Studies	Member
3	Dr. Rakesh Kumar Arya	Professor Dept. of Business Studies	Member
4	Dr. Swati Watts	Associate Professor, Dept. of Business Studies	Member
5	Dr. Anjali Singh	Assistant Professor, Dept. of Business Studies	Member
6	Dr. Arvind Dalal	Assistant Professor, Dept. of Business Studies	Member
7	Mr. PulockBhattacharji	Vice President, BSE Plot no.23, 101, Aggarwal Corporate Tower, Rajendra Place, New Delhi -110008	External Member
8	Dr. Ashutosh Nigam	JC Bose University of Science and Technology, YMCA, Faridabad	External Member

<b>Department of Commerce</b>			
1	Dr Jayender Verma	Professor & Head-Dept of Commerce	Chairman
2	Dr Monika Goel	Professor, Dean FCBS	Member
3	Dr Preeti Chhabra	Associate Professor	Member
3	Dr Simran Kaur	Assistant Professor	Member
4	Dr Nidhi Tandon	Assistant Professor	Member
5	Mr Arun Vashishta	Assistant Professor	Member
6	MrPulockBhattacharji	Vice President, BSE Institute	External Member
7	Dr A K Sharan	Professor, NIFM Faridabad	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:

Programmes					
Name of the Faculty	Programme	Student Intake		Total Admissions	
		UG	PG	UG	PG
Faculty of Applied Sciences	Bachelor of Physiotherapy (BPT)	40		38	
	B.Sc. Nutrition and Dietetics	30		31	
	B.Sc. (Hons.)-Food Science and Technology	10		06	
	Master of Physiotherapy (MPT)		30		32
	M.Sc.- Nutrition and Dietetics		35		30

#### Faculty of Allied Health Sciences:

#### List of Faculty Members

Name of the Full-time teacher	Designation	Department
Shishir Nigam	Assistant Professor	Physiotherapy
Shobhit Saxena	Assistant Professor	Physiotherapy
Preeti Saini	Assistant Professor	Physiotherapy
Gulshan Lal Khanna	Professor	Physiotherapy
Jaswinder Kaur	Assistant Professor & Medical Officer	Physiotherapy
Ekta Chitkara	Associate Professor	Physiotherapy
Pooja Sharma	Associate Professor	Physiotherapy
Sumit Arora	Assistant Professor	Physiotherapy
Sunita Kumari	Assistant Professor	Physiotherapy
Shweta Sharma (Physiotherapy)	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
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
Mahak 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
Upasana Yadav	Assistant Professor	Nutrition & Dietetics
Lakhvinder Kaur	Associate Professor	Nutrition & Dietetics
Lucy George	Associate Professor	Nutrition & Dietetics
Lavanya M.N	Assistant Professor	Nutrition & Dietetics
Kommi Kalpana	Associate Professor	Nutrition & Dietetics
Deepak	Assistant Professor	Nutrition & Dietetics



**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: 2021-22

Title of the Paper	Name of the author/s	Student Authors	Journal/Conference/Book Title
The Micronutrient Consumption in Indian Elementary School Children across Socioeconomic Strata	Dr. Divya Sanghi	Kshitija Patki	International Journal of Child Health and Nutrition
Association of flat foot with obesity in middle-aged individuals	Dr. Divya Sanghi	Manish Kumar	International Journal of Research in Pharmaceutical Sciences
Association of weight changes and Dietary Behavior During Covid-19 Among College students	Dr. Pratibha Singh	Purvi garg	International Journal of Biology Pharmacy and Allied Health Sciences(IJBPAS)
Influence of COVID-19 pandemic on health due to home confinement	Dr. Pratibha Singh	Purvi Garg	Current Medicine Research and Practice
Influence of dietary intake of sleep quality of college student	Dr. Pratibha Singh	Parushi Agrawal	International Journal of Biology Pharmacy and Allied Health Sciences(IJBPAS)
An Overview of Challenges Faced in Online Nutritional Counseling	Dr. Pratibha Singh	Muskaan Jain	GRADIVA REVIEW JOURNAL
Association of Orthorexia Nervosa with mental health disorders:A review	Dr. Pratibha Singh	Stuti sharma	GRADIVA REVIEW JOURNAL

Hand grip strength – Nutritional Assessment Tool: A review	Dr Pratibha Singh	Sumit Kalra	International Journal of Pharmaceutical Research  Oct -Dec 2021   Vol 13   Issue 4
Impact of celiac disease on reproductive performance of women	Dr Pratibha Singh	Saloni Sharma	International Journal of Health Sciences,
Nutritional Status of school going children in India: A review	Dr. Mahak Sharma	Brij Pal Singh	International Journal of Medical Research & Health Sciences
Nigella Sativa, as preventive strategy in COVID 19	Dr. Mahak Sharma	Vaishali Mathur	Current Traditional Medicine
Assessment of food safety knowledge among school teachers of Etawah district during Covid-19	Dr. Mahak Sharma	Indumati S	International Journal of Agriculture and Allied Sciences
relationship between weight management, shopping mode and lifestyle.	Dr. Priya Mishra	Prashasti Aatre	International Journal of Health Sciences,
Empirical study to determine the relationship between food	Dr. Priya Mishra	Prashasti Aatre	international journal of health sciences
Changes in eating pattern, physical activity and sleep quality among night shift workers.	Dr. Gurseen Rakhra	Priyanka	International Journal of food and Nutritional Sciences
Effect of oilseeds on cardiovascular health: a review.	Dr. Gurseen Rakhra	Perna Dhirga	International Journal of creative research thoughts
Hidden hunger and its interventions to combat the micronutrient deficiencies: a review.	Dr. Gurseen Rakhra	AAYUSHI Agrawal	International Journal of Innovative Research in Technology
Effect of food additives on hormonal imbalance in children and its impact on health	Dr. Gurseen Rakhra	Charu Agrawal	International Journal of creative research thoughts



Sensory Attributes And Flavonoid Content Of Himalayan Rhododendron arboreum Flowers Based Tea	Dr. Madhvi Awasthi	Deepti Agrwal	International Journal of Biology, Pharmacy and Allied Sciences
Chemical Constituents and Therapeutic Properties of Himalayan Rhododendron arboreum - A Review	Dr. Madhvi Awasthi	Deepti Agrwal	Journal of biodiversity
A review on usage of nutritional labeling; consumer preferences and choices.	Dr. Madhvi Awasthi	Shubhangi Srivastava	Advances in Food Sciences
Treating Shoulder Pain with Trigger Point Dry Needling; A Case Report	Dr. Madhvi Awasthi	Vikrant Bhardwaj	Journal of Clinical and Diagnostic Research
Assessment of Diet and Sleep Quality of Teachers age 30-50 year	Ms. Vandana Garg	Niklu Sasu	International Journal of Creative Research Thoughts
Trans Fats-A food industry pal or a root of numerous ailments?	Ms. Srishti Negi	Pragya singh	Journal of Scientist R Academy
Nocturnal Eating Syndrome and its consequences	Ms. Srishti Negi	Stuti sharma	International Journal of Innovative Research in Technology

**b. Student progression to higher education during the year:2021-22**

<b>Name of students enrolled for higher education</b>	<b>Graduated from which Programme</b>	<b>Name of institution joined</b>	<b>Admitted to (Name of Programme)</b>
Akshay Malik	B.Sc.-Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies,Haryana	MSc N&D
Deepanshi Bhatnagar	B.Sc.-Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies,Haryana	MSc N&D

Khushi Bhati	B.Sc.-Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies,Haryana	MSc N&D
Priyanshi Jain	B.Sc.-Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies,Haryana	MSc N&D
Satyam Singh	B.Sc.-Nutrition & Dietetics	University of Westminster, London ( 309 Regent St., London W1B 2HW).	MSc.Sports and Exercise Nutrition
Srishti Sethi	B.Sc.-Nutrition & Dietetics	Sharda University,Noida,U.P	M.Sc Nutrition and Dietetics
Tannisha Vadhavan	B.Sc.-Nutrition & Dietetics	Symbiosis University Pune	M.Sc Nutrition and Dietetics
Yashika Bansal	B.Sc.-Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies,Haryana	MSc N&D
Cheshta Gera	B.Sc.-Nutrition & Dietetics	Khalsa College Amritsar	MSc N&D
Thungdeno B Kikon	B.Sc.-Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies,Haryana	MSc N&D
Abir Mazumder	B.Sc.-Nutrition & Dietetics	Sharda University,Noida,U.P	M.Sc Nutrition and Dietetics
Bhavyanshi	B.Sc.-Nutrition & Dietetics	Coventry University	MSc Global Healthcare Management



Devanshi Kumari	B.Sc.-Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Haryana	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
Shipra Arora	B.Sc.-Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Haryana	M.Sc Nutrition and Dietetics
Sonal Aswal	B.Sc.-Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Haryana	M.Sc Nutrition and Dietetics
Soumya Tyagi	B.Sc.-Nutrition & Dietetics	Manav Rachna International Institute of Research and Studies, Haryana	M.Sc Nutrition and Dietetics
Utkarsh Dev	B.Sc.-Nutrition & Dietetics	Guru Nanak Dev University, Amritsar	M.Sc Sports Nutrition
Yashika Bharti	B.Sc.-Nutrition & Dietetics	Amity University Noida U.P.	M.Sc Nutrition and Dietetics
Priyanka Jain	BSc. Nutrition and Dietetics	Manav Rachna International Institute of Research and Studies	M.Sc Nutrition and Dietetics

Shipra arora	BSc. Nutrition and Dietetics	Manav Rachna International Institute of Research and Studies	M.Sc Nutrition and Dietetics
Shreya Pasricha	BSc. Nutrition and Dietetics	Manav Rachna International Institute of Research and Studies	M.Sc Nutrition and Dietetics
Sunakshichauhan	BSc. Nutrition and Dietetics	Manav Rachna International Institute of Research and Studies	M.Sc Nutrition and Dietetics
Tanvi Asija	BSc. Nutrition and Dietetics	Guru Nanak Dev University, Amritsar	M.Sc Food technology
Kanika Jain	M.Sc.-Nutrition & Dietetics	The Institute of Liver and Biliary Sciences ,Delhi	PhD

**c. Students benefited by career counseling and guidance for competitive Examinations: 2021-22**

Activity Description	No. of Participants
Exam Pattern and Guidelines on NET/JRF	40
Nutrition Programs Monitoring & Evaluations: Are there any missed opportunities?	66
Career Opportunities in Food Science and Technologies	69
Career Counseling	30

**d. Faculty members: Awards & Recognitions: 2021-22**

Name of Faculty Member	Awards/Recognition
Mahak Sharma	Recognition as Invited Speaker to deliver a lecture on topic "Nutrition and Workplace" at Morarji Desai National Institute of Yoga, New Delhi (03-09-2021)
Mahak Sharma	Recognition as Invited Resource Person at ATAL FDP on "Contemporary Advances in Sustainable and Integrated Infrastructure" held at MRIIRS, Faridabad (02-08-2021 to 06-08-2021)
Gurjeet Kaur Chawla	Certificate of Appreciation in contribution to world Environment Day 20-06-2022
Lakhvinder Kaur	Mentorship award during World Food Safety Day 2022(07-06-2022)



Lakhvinder Kaur	Recognition for Anveshan 2021-22 tilted App Based Intelligent Packaging Film (27-03-2022 to 28-03-2022)
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**e. FDPs attended by Faculty Members: 2021-22**

<b>Name of the Faculty member</b>	<b>Title of the Event</b>	<b>Date From</b>	<b>Date to</b>
Ankita Sehgal Sharma	FDP on Outlook over Research Writing & Publication Process	13-12-2021	18-12-2021
Ankita Sehgal Sharma	FDP on nutrition and Diet Planning	28-08-2021	11-09-2021
Ankita Sehgal Sharma	Quality Attributes for The Strategic Improvement of Faculty Productivity	03-08-2021	07-08-2021
Ankita Sehgal Sharma	Advances in food and value addition of grains	23-08-2021	27-08-2021
Divya Puri	ATAL FDP on Non-Thermal Processing of Food Products	29-06-2021	03-07-2021
Divya Puri	FDP on Outlook over Research Writing & Publication Process	13-12-2021	18-12-2021
Divya Puri	FDP on Food Processing, preservation and cold storage	04-07-2021	08-07-2021
Divya Puri	FDP on Non-Thermal Processing of Food Products	29-06-2021	03-07-2021
Divya Puri	FDP on Leadership for Academicians Programme(LEAP) recognised by AICTE	13-06-2022	17-06-2022
Divya Sanghi	FDP on Waste Technology: Emerging Strategies in Waste Management Solutions	23-08-2021	27-08-2021
Divya Sanghi	FDP on Health Research fundamentals	01-07-2021	01-09-2021
Divya Sanghi	FDP on Outlook over Research Writing & Publication Process	13-12-2021	18-12-2021
Divya Sanghi	FDP on nutrition and Diet Planning	28-08-2021	11-09-2021
Divya Sanghi	FDP on Leadership for Academicians Programme(LEAP) recognised by AICTE	13-06-2022	17-06-2022
Gurjeet Kaur Chawla	FDP on "Personal Effectiveness"	23-08-2021	27-08-2021
Gurjeet Kaur Chawla	FDP on "Stress Management through Yoga and Meditation"	11-10-2021	15-10-2021
Gurjeet Kaur Chawla	FDP on Life Skills Developments of Educators Through Inner Transformation by 'Art of Living'	16-08-2021	20-08-2021
Gurseen Rakhra	E-CNE on Management & Prevention of NCDs-A new Paradigm	06-09-2021	09-09-2021
Gurseen Rakhra	FDP on Outlook over Research Writing & Publication Process	13-12-2021	18-12-2021

Lakhvinder Kaur	FDP on "Novel Applications of Waste Technology Systems for Sustainable future"	02-08-2021	06-08-2021
Lakhvinder Kaur	FDP on Outlook over Research Writing & Publication Process	13-12-2021	18-12-2021
Lakhvinder Kaur	FDP on Leadership for Academicians Programme(LEAP) recognised by AICTE	13-06-2022	17-06-2022
Lavanya M.N	FDP on Stress Management conducted by IEEE	24-01-2022	29-01-2022
Lucy George	Outlook over Research Writing and Publication Process"	13-12-2021	18-12-2021
Madhvi Awasthi	FDP on "Nutraceuticals: Basics & Beyond"	12-07-2021	16-07-2021
Madhvi Awasthi	FDP on Advances in food and value addition of grains	23-08-2021	27-08-2021
Madhvi Awasthi	FDP on Outlook over Research Writing & Publication Process	13-12-2021	18-12-2021
Madhvi Awasthi	FDP on Leadership for Academicians Programme(LEAP) recognised by AICTE	13-06-2022	17-06-2022
Madhvi Awasthi	SWAYAM Course on Academic Writing	17-01-2022	21-02-2022
Mahak Sharma	FDP on Waste Technology: Emerging Strategies in Waste Management Solutions	23-08-2021	27-08-2021
Mahak Sharma	FDP on nutrition and Diet Planning	28-08-2021	11-09-2021
Mahak Sharma	FDP on Leadership for Academicians Programme(LEAP) recognised by AICTE	13-06-2022	17-06-2022
Mahak Sharma	FDP on Project Based Learning: International Perspective	04-07-2022	09-07-2022
Pratibha Singh	FDP on Outlook over Research Writing & Publication Process	13-12-2021	18-12-2021
Pratibha Singh	FDP on Project Based Learning: International Perspective	04-07-2022	09-07-2022
Priya Mishra	FDP on Leadership for Academicians Programme(LEAP) recognised by AICTE	13-06-2022	17-06-2022
Srishti Negi	Coursera Course on Weight Management :Beyond Balancing Calories	21-07-2021	26-08-2021
Srishti Negi	ATAL FDP on Non-Thermal Processing of Food Products	29-06-2021	03-07-2021
Srishti Negi	FDP on "Nutraceuticals: Basics & Beyond"	12-07-2021	16-07-2021
Srishti Negi	FDP on Non-Thermal Processing of Food Products	29-06-2021	03-07-2021
Srishti Negi	FDP on Outlook over Research Writing & Publication Process	13-12-2021	18-12-2021
Srishti Negi	FDP on Leadership for Academicians Programme(LEAP) recognised by AICTE	13-06-2022	17-06-2022



Vandana Garg	FDP on Outlook over Research Writing & Publication Process	13-12-2021	18-12-2021
Vandana Garg	FDP on "Nutraceuticals: Basics & Beyond"	12-07-2021	16-07-2021

#### f. Events organised: 2021-22

Title of the Event	From date	To date
Workshop: E-CNE on Management and Prevention of NCDs- A new paradigm: Professional Development Program for teaching staff	06-09-2021	09-09-2021
Virtual International Conference on Sustainability of Food-A Global Perspective: Professional Development Program for teaching and non-teaching staff	17-09-2021	18-09-2021
Faculty Development Program on Outlook over Research Writing and Publication Process- Professional Development Program for teaching staff	13-12-2021	18-12-2021
International Conference on Yoga, Nutrition and Health in collaboration with Directorate of Education Al-Diwaniyah with the foundation of the Academy of Excellence, UAE College of Physical Education and Sports Science College of Education for Girls, University of Al-Qadisiyah, Iraq	21-06-2022	21-06-2022

#### g. Faculty Research Papers: 2021-22

Title of Paper	Name of the Author/S	Name of Journal	Year of Publication
A Review On Usage Of Nutritional Labeling Consumer Preferences And Choices	Shubhangi Srivastav and Madhvi Awasthi	Advances in Food Sciences	2021-22
Antimicrobial Packaging & Its Use In Food Industry A Review	Saraswat S, Richa and Puri D	Bulletin of Environment, Pharmacology and Life Sciences	2021-22
Assessment Of Nutritional Quality Of Developed Product (Muffin & Vermicelli) By Using Different Type Of Seeds	Heena Dabral and Ankita Sharma	Plant archives	2021-22
Association Of Flat Foot With Obesity In Middle-Aged Individuals	Manish Kumar*, Divya Sanghi, Jyoti Kataria, Pratiksha Arya	International Journal of research in Pharmaceutical sciences	2021-22
Chemical Constituents And Therapeutic Properties Of Himalayan Rhododendron Arboreum - A Review	Deepti Agarwal and M Awasthi	Journal of biodiversity	2021-22
Community Responses To Covid-19 Pandemic First Wave Containment Measures A Multinational Study	Myo Nyein Aung, Claire Stein, Wei-Ti Chen, Vandana Garg, Monika Saraswati Sitepu, Nguyen Thi Dang Thu, Carlos Primero D Gundran, Mohd Rohaizat Hassan, Unyaporn Suthutvoravut, Aung Naing Soe, Magde Nour, Khin Khin Gyi, Rainer Brandl, Motoyuki Yuasa.	The Journal of Infection in Developing Countries	2021-22

Effect Of Endurance Training On Copper, Zinc, Iron And Magnesium Status	Gurseen Rakhra, Daisy Masih, Annu Vats, Saroj K Verma, Vijay K Singh, Vandana Kirar, Som N Singh	Journal of sports medicine and physical fitness	2021-22
Effect Of Low Intensity Pulsed Ultrasound On Callus Formation In Tibial Diaphyseal Fracture - A Review	Manishtha Rao, Madhvi Awasthi.	Journal of critical reviews	2021-22
Effect Of Type Of Physical Activity On The Sleep Pattern Of Sport Players	Preeti Saini, Mahak Sharma	INTERNATIONAL JOURNAL OF PHYSIOTHERAPY	2021-22
Genetic Predisposition Of Vitamin D Receptor Gene (Taq1, Apa1, Bsm1 And Fok1) Polymorphisms And Vitamin D Status In Knee Osteoarthritis	Divya Sanghi, Sarita Agarwal	Bulletin of Environment , pharmacology and Life Sciences	2021-22
Guava (Psidium Guajava L.) Leaves Nutritional Composition, Phytochemical Profile, And Health-Promoting Bioactivities	Manoj Kumar, Maharishi Tomar, Ryszard Amarowicz, Vivek Saurabh, M. Sneha Nair, Chirag Maheshwari, Minnu Sasi, Uma Prajapati, et al.	Foods	2021-22
Influence Of Covid-19 Pandemic On Health Due To Home Confinement	Purvi Garg and Pratibha Singh	Current Medicine Research and Practice	2021-22
Influence Of Dietary Intake On Sleep Quality Of College Students	Goel P and Singh P	International Journal of Biology, Pharmacy and Allied Sciences	2021-22
Outbreaks In India Impact On Socio-Economy And Health	Divya Sangi, Preeti Saini, Priya Mishra and Mahak Sharma	Journal of Communicable disease	2021-22
Sensory Attributes And Flavonoid Content Of Himalayan Rhododendron Arboreum Flowers Based Tea	Deepti Agarwal and M Awasthi	International Journal of Biology, Pharmacy and Allied Sciences	2021-22
The Micronutrient Consumption In Indian Elementary School Children Across Socio-Economic Strata,	Kshitija Patki, Divya Sanghi, Raju K Parasher, Barkha Bhatnagar	International Journal of Child Health & Nutrition	2021-22
Therapeutic Use Of Dropped Pomegranate Flowers On Metabolic Disorders A Review	Pratima Singh and Mahak Sharma	International Journal of Botany Studies	2021-22
Zinc Finger Proteins Insights Into The Transcriptional And Post Transcriptional Regulation Of Immune Response	Gurseen Rakhra, Gurmeen Rakhra	Molecular Biology reports	2021-22



#### g. Book Chapters: 2021-22

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference
Madhvi Awasthi	Betel Leaves(Piper betel)Biochemistry and Therapeutics, Biochemistry and Therapeutics Applications of Medicinal Herbs	NA	NA
Madhvi Awasthi	Food & ug Interaction, Recent Advances In Pharmaceutical Sciences (Volume 3)	NA	NA
Divya Sanghi and Ankita Sharma	Impact of covid 19 on agri food industry, Covidonomics and India Economy during Covid -19	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: 2021-22

Title of Paper	Name of all the author/s	Student Authors	Journal/Conference/Book Title
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	International Scientific Journal of Kinesiology
Relationship Between Hamstring And Lower Back Muscles Flexibility And Sprint Speed In Under-19 Young Male Cricket Players	Bhushan Dahikar, Shishir Nigam, Sanchit Dahikar	Bhushan Dahikar	Indian Journal of Basic and Applied Medical Research

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
Effects of Plyometric Training on Agility, Speed and Explosive Power in Male Collegiate Badminton Players	Chandra Suresh, Sharma Ankita, Malhotra Nitesh, Rizvi Moattar Raza, Kumari Sunita,	Chandra Suresh	Journal of lifestyle Medicine

**b. Student progression to higher education during the year: 2021-22**

<b>Name of Students enrolled for Higher Education</b>	<b>Graduated from which Programme</b>	<b>Name of Institution Joined</b>	<b>Admitted to (Name of Programme)</b>
Muskan Rastogi	Bachelor of Physiotherapy	KMC, Mangalore	MPT
Priyanka Sharma	Bachelor of Physiotherapy	Conestoga college, Canada	PG Diploma- HealthCareAdministration
Hafiza	Bachelor of Physiotherapy	Raja Rajeshwari college of Physiotherapy	MPT
Dolly	Bachelor of Physiotherapy	NarseeMonjee Institute of Management Studies, Mumbai	MBA
Rinki	Bachelor of Physiotherapy	College of Physiotherapy, PGIMS, Rohtak	MPT
Yashma Shrestha	Bachelor of Physiotherapy	Fanshawe college, Toronto	PG Diploma- Gerontology,



Harkesh	Bachelor of Physiotherapy	Sanskriti University,U.P.	MPT
Khushboo	Bachelor of Physiotherapy	Sanskriti University,U.P.	MPT
Nayanshi Varshney	Bachelor of Physiotherapy	Sanskriti University,U.P.	MPT
Nirvana Bhattarai	Bachelor of Physiotherapy	Fanshawe College International Centre,Canada	GIP2G - Gerontology - Interprofessional Practice
Simran Chawla	Bachelor of Physiotherapy	Shree Guru Gobind Singh Tricentenary University, Haryana	MPT- Neurology
Yukti Yadav	Bachelor of Physiotherapy	Sanskriti University,U.P.	MPT
Nainy Grewal	Bachelor of Physiotherapy	Lambton College ,Canada	MPT
Jai Pant	Bachelor of Physiotherapy	Manav Rachna International Institute of Research and Studies,Haryana	MPT
Anurag Nand Mehr	Bachelor of Physiotherapy	Institute of Management & Technical Studies	MPT
Kanika Garg	Bachelor of Physiotherapy	Lambton College at Queen's College of Business, Technology and Public Safety	Therapeutic Recreation
Priyanka	Bachelor of Physiotherapy	Conestoga College Institute of Technology and Advanced Learning	Healthcare Administration and Service Management

**c. Students benefited by career counseling and guidance for competitive Examinations: 2021-22**

Activity Description	No. of Participants
Career of Physiotherapy in Canada	120
Career Counseling: Interaction of CRC	65

**d. FDPs Attended by Faculty Members: 2021-22**

Name of the Faculty member	Title of the Event	Date From	Date to
Ankita	Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Ankita	Intelligent Interactive Medical Services	02-08-2021	06-08-2021
Ankita	Hands on workshop on Instrument Assisted Soft tissue Mobilization (IASTM)	07-10-2021	08-10-2021
Ankita	FDP on NEP 2020 Implementation in Higher Education Institutes recognised by AICTE	09-05-2022	13-05-2022
Ankita	FDP on Leadership for Academicians Programme (LEAP) recognised by AICTE	13-06-2022	17-06-2022
Irshad Ahmad	Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Irshad Ahmad	Unfolding the Perspectives of Research in Physiotherapy	23-11-2021	27-11-2021
Irshad Ahmad	FDP on Leadership for Academicians Programme (LEAP) recognised by AICTE	13-06-2022	18-06-2022
Moattar Raza Rizvi	FDP on NEP 2020 Implementation in Higher Education Institutes recognised by AICTE	09-05-2022	13-05-2022
Moattar Raza Rizvi	FDP on Leadership for Academicians Programme (LEAP) recognised by AICTE	13-06-2022	17-06-2022



Nitesh Malhotra	Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Nitesh Malhotra	FDP on NEP 2020 Implementation in Higher Education Institutes recognised by AICTE	09-05-2022	13-05-2022
Nitesh Malhotra	FDP on Leadership for Academicians Programme(LEAP) recognised by AICTE	13-06-2022	17-06-2022
Pooja Sharma	FDP on Leadership for Academicians Programme(LEAP) recognised by AICTE	13-06-2022	17-06-2022
Preeti Saini	Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Preeti Saini	Unfolding the Perspectives of Research in Physiotherapy	23-11-2021	27-11-2021
Preeti Saini	FDP on Leadership for Academicians Programme(LEAP) recognised by AICTE	13-06-2022	17-06-2022
Priyanka sethi	Effective Decision Making	10-08-2021	14-08-2021
Priyanka sethi	Unfolding the Perspectives of Research in Physiotherapy	23-11-2021	27-11-2021
Priyanka sethi	Emotional Intelligence	13-09-2021	17-09-2021
Priyanka sethi	Leadership Mastery Through self Management	27-12-2021	31-12-2021
Priyanka sethi	Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Priyanka Sethi	FDP on Academic Research Writing	04-06-2022	10-06-2022
Priyanka Sethi	FDP on Leadership for Academicians Programme(LEAP) recognised by AICTE	13-06-2022	17-06-2022
Shishir Nigam	Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Shishir Nigam	FDP on Precision Health Technology (FDP PHT-2021)	04-08-2021	08-08-2021
Shishir Nigam	FDP on Leadership for Academicians Programme(LEAP) recognised by AICTE	13-06-2022	17-06-2022
Shobhit Saxena	Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Shobhit Saxena	FDP on Leadership for Academicians Programme(LEAP) recognised by AICTE	13-06-2022	17-06-2022
Sunita Kumari	Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Sunita Kumari	FDP on Leadership for Academicians Programme(LEAP) recognised by AICTE	13-06-2022	17-06-2022

#### e. Events Organised:2021-22

Title of the Professional Development Program Organised for Teaching Staff: FDP, STC, Conference, Seminar, Expert Talk, Session etc	From Date	To Date
STC on Leadership in Academic Practices (LEAP) in collaboration with NITTTR Chandigarh	13-06-2022	17-06-2022

#### f. Faculty members: Awards & Recognitions:2021-22

Name of Faculty Member	Awards/Recognition
Sunita Kumari	Received Best Clinical Academician in Physio connect 2, organised at ASIAN Hospital Faridabad(15-05-2022)
Sunita Kumari	Received Physio Icon in Physio Bharat 2, organised at Artemis Hospital Gurugram (19-06-2022)
Pooja Sharma	Awarded Best Academician in Physio connect 2, organised at ASIAN Hospital Faridabad(15-05-2022)
Pooja Sharma	Received Physio Icon in Physio Bharat 2, organised at Artemis Hospital Gurugram (19-06-2022)
Ankita	Received Physio Icon in Physio Bharat 2, organised at Artemis Hospital Gurugram (19-06-2022)
Priyanka Sethi	Awarded for Distinguished Services in Academics in the conference "Physio Bharat 2" held at Artemis Hospital Gurugram (19-06-2022)
Preeti Saini	Awarded for Distinguished Services in Academics in conference Physio Bharat 2 held at Artemis Hospital Gurugram (19-06-2022)

#### g. Faculty Research Papers: 2021-22

Title of paper	Name of Author	Title of Journal	Year of Publication
Borderline Microscopic Organism And Lockdown Impacted Across The Borders—Global Shakers	Shariq Suleman1 · Asim Farooqui1 · Pradakshina Sharma1 · Nitesh Malhotra2 · Neefam Yadav3,4 · Jagriti Narang1 · Md Saquib Hasnain5 · Amit Kumar Nayak6	Environmental Science and Pollution Research	2021-22
Breastfeeding Benefits	Shweta Sharma, Parul Sharma, Neerja Thukral	Medico-Legal Update	2021-22
Effect Of Sensory motor Training On Spatiotemporal Parameters Of Gait Among Middle And Older Age Adults With Diabetic Peripheral Neuropathy	Irshad Ahmad, Shalini Verma, MajumiMohamedNoohu, Mohd Ejaz Hussain	Somatosensory & motor research	2021-22



Intermittent Pneumatic Compression Changes Heart Rate Recovery And Heart Rate Variability After Short Term Submaximal Exercise In Collegiate Basketball Players Crossover Study	Zoya Khan, Irshad Ahmad, Mohd. Ejaz Hussain	Sports Sciences for Health	2021-22
Point Of Care Detection Of Covid-19 Advancement In Biosensing And Diagnostic Methods	Shariq Suleman , Sudheesh K Shukla , Nitesh Malhotra , Shikandar D Bukkitgar, Nagaraj P Shetti, Roberto Pilloton, Jagriti Narang , Yen Nee Tan, Tejraj M Aminabhavi	Chemical Engineering Journal	2021-22

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

<b>Board of Faculty</b>			
1	Dr Moattar Raza Rizvi	Professor & Dean-FAHS, Chairperson	<b>Chairman</b>
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 Gurjeet Kaur Chawla	Professor, Dept of ND & Dean Student Welfare, Member	Member
6	Dr Ekta Chitkara	Associate Professor, Dept of PT, Member	Member
7	Dr Mahak Sharma	Associate Professor, Dept of ND, Member	Member
8	Dr Shobhit Saxena	Assistant Professor, Dept of PT, Member	Member
9	Ms Ankita Sejpai Sharma	Assistant Professor, Dept of ND, Member	Member
10	Dr Debabrata Kanungo	Former Additional Director General of Health Services	External Member
11	Dr Arvind Gupta	Dean Academics	External Member

<b>Board of Studies</b>			
<b>Department of Nutrition &amp; Dietetics</b>			
1	Dr. Divya Sanghi	Professor & Head-Dept of Nutrition and Dietetics, FAHS	Chairman
2	Dr. Pratibha Singh	Professor, Dept of Nutrition and Dietetics, FAHS	Member
3	Dr. Gurjeet Kaur Chawla	Professor, Dept of Nutrition and Dietetics, FAHS & Dean, DSW	Member
4	Dr. Mahak Sharma	Associate Professor, Dept. of Nutrition & Dietetics	Member

5	Dr Lakhvinder Kaur	Associate Professor, Nutrition & Dietetics	Member
6	Dr. Priya Mishra	Assistant Professor, Dept. of Nutrition and Dietetics	Member
7	Ms Ankita Sharma	Assistant Professor, Nutrition & Dietetics	Member
8	Dr. Iram Rao	Associate Prof, Dept. of Food Technology Bhaskaracharya College, Delhi University, New Delhi	External Member
9	Dr. Bani Aeri	Assistant Professor, Department of Food and Nutrition, Institute of Home Economics, DU	External Member
10	Ms. Anita Jatana	Chief Dietician, Indraprastha Apollo Hospital	External Member

Department of Physiotherapy			
1	Dr.Nitesh Malhotra	Associate Professor & Head of Department	Chairman
2	Dr.Moattarraza Rizvi	Professor & Dean , FAHS	Member
3	Dr. Ekta Chitkara	Associate Professor	Member
4	Dr. Shishir Nigam	Associate Professor	Member
5	Dr. Shobhit Saxena	Assistant Professor	Member
6	Dr. Preeti Saini	Assistant Professor	Member
8	Dr. Seema Grover	Physiotherapy & Rehabilitation Indraprastha Apollo Hospitals, Sarita Vihar, New Delhi	External Member
9	Dr. Raju Parashar	Director/Principal, Amar Jyoti Institute of Physiotherapy, South Delhi	External Member
10	Dr. Ejaz Hussain	Professor, Centre for Physiotherapy & Rehabilitation, Jamia Millia Islamia, New Delhi	External Member



### 3.4 FACULTY OF COMPUTER APPLICATIONS

**Name of Department:**

**S.No. Name of Department**

**1. Computer Applications**

**Admission Status:**

Programme					
Name of the Faculty	Programme	Student Intake		Total Admissions	
		UG	PG	UG	PG
Faculty of Computer Applications	Bachelor of Computer Applications (BCA)	120		122	
	B.Sc.-IT	10		05	
	MCA		60		59

**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
Vishawjyoti	Assistant Professor	Computer Applications
Rashmi Agrawal	Professor	Computer Applications
Shaveta Bhatia	Professor	Computer Applications
Mridula Batra	Associate 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
Chitra Jalota	Assistant Professor	Computer Applications
Raj Kumar	Assistant Professor	Computer Applications
Sonia Duggal	Associate Professor	Computer Applications
Saket Kumar Choudhary	Assistant Professor	Computer Applications
Priyanka Sharma	Assistant Professor	Computer Applications
Sonia Setia	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



**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: 2021-22



<b>Title of paper</b>	<b>Name of all the author/s</b>	<b>Student Authors</b>	<b>Journal/Conference/Book Title</b>
Converging AI and Robotic: Techniques and Applications	Ankit Raj, Lakshita Gugnani, Manish Dubey, Neha Gupta	Ankit Raj, Lakshita Gugnani, Manish Dubey	Artificial & Computational Intelligence
Online Education in the Time of COVID19 Crisis	Keshav Dahiya, Naman Malhotra, Vaibhav Bachhwai, & Neha Gupta	Keshav Dahiya, Naman Malhotra, Vaibhav Bachhwai	International Journal of Engineering Technologies and Management Research
Cyber Security and the Internet of Things: Vulnerabilities, Threats & Future of IoT	Stephin Philip, Anant Chaturvedi, Pawan Vashisht & Neha Gupta	Stephin Philip, Anant Chaturvedi, Pawan Vashisht	International Journal of Advance Research, Ideas and Innovations in Technology
Global Artificial Intelligence in Agriculture	Mitali, Sunita Joshi, Neerja Negi	Mitali	International journal of Advanced Research and Science Communication and Technology
Review on Ethical Hacking and its Techniques	Sachin Sharma, Hardik Saini, Deepak Makhija, Kamlesh Belwal	Hardik Saini, Deepak Makhija, Kamlesh Belwal	IIOAB Journal
Artificial Intelligence Based Video Games	Vishawjyoti, Rohit Rawat, Fardeen Saifi, Jai Kumar Sharma	Rohit Rawat, Fardeen Saifi, Jai Kumar Sharma	International Journal of Advanced Research, Ideas and Innovations in Technology
A Novel Smart Parking System Using IoT	Venkatesh Bharti, Vishal Sharma, Krishna Sureka, Rashmi Agarwal	Venkatesh Bharti, Vishal Sharma, Krishna Sureka	2022 International Conference on Machine Learning, Big Data, Cloud and Parallel Computing (COM-IT-CON)
Reasons to Secure India against Cyber Attacks	Divyansh Pushkarna, Mayank Bhati, Peeyush Sharma, Dr. Mridula Batra	Divyansh Pushkarna, Mayank Bhati, Peeyush Sharma	International Conference on Futuristic Trends for Sustainable Ecosystem (FTSE-2021)

Polynomial Based Linear Regression Model To Predict Covid-19 Cases	Nikhil, Arushi Saini, Santu Pandey, Neha Gupta	Nikhil, Arushi Saini, Santu Pandey	2021 6th IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT-2021)
Home automation using internet of things	Vishawjyoti, Nikhil Dutt, Mahak Gupta, Jai Singh	Nikhil Dutt, Mahak Gupta, Jai Singh	International Conference on Futuristic Trends for Sustainable Ecosystem (FTSE-2021)
Artificial Intelligence in Machine Learning	Vishawjyoti, Nidhi Bhuttan, Muskan Jain, Shruti Varshney	Nidhi Bhuttan, Muskan Jain, Shruti Varshney	International Conference on Futuristic Trends for Sustainable Ecosystem (FTSE-2021)
Imputation of Missing Values using Improved K-Means Clustering Algorithm to Attain Data Quality	Stephen Philip, Pawan Vashisth, Anant Chaturvedi, Neha Gupta	Stephen Philip, Pawan Vashisth, Anant Chaturvedi	3rd International Conference on Inventive Research in Computing Applications ICIRCA 2021
Instigating Decentralized Apps with Smart Contracts	Nikhil, Neha Gupta, Arushi Saini, Santu Pandey	Nikhil, Arushi Saini, Santu Pandey	International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI-2022)
Synergizing Smart Home with Smart Parking using IOT	Ankit Raj, Manish Dubey, Lakshita Gugnani, Neha Gupta	Ankit Raj, Manish Dubey, Lakshita Gugnani	International Conference on Artificial Intelligence and Smart Systems (ICAIS 2022)
Intensify Assured PHR Sharing in Cloud Using Entropy Based Signature Cryptosystem	Bhagvender Singh, Kavita Arora, Sailesh Suryanarayana Iyer	Bhagvender Singh	International Conference on Technologies for green connected societies 2021
Improvised Security of IoT Through Blockchain	Sonal Pathak, Apoorav Jhavar, Mukul Sharma, Archit Kohli	Apoorav Jhavar, Mukul Sharma, Archit Kohli	International Conference on Machine Learning (ICM-2022)

**b. Students benefited by career counseling and guidance for competitive Examinations:  
2021-22**

Activity Description	No. of Participants
Startup Initiatives	110
Security of Multimedia Communications	90
Career Session by Industrial visit to IRGS Pvt. Ltd., Badarpur, New Delhi	35



Hybrid Learning and Collaboration with Students- Career Growth	85
Resume Writing Workshop	125

**c. Student progression to higher education in percentage during the year:2021-22**

<b>Name of students enrolled for higher education</b>	<b>Graduated from which Programme</b>	<b>Name of Institution Joined</b>	<b>Admitted to (Name of Programme)</b>
Vaibhavi Kaushik	B.Sc.-Information Technology	Himalayan Institute of Technology, Dehradun	MSc IT
Anushka Singh	B.Sc.-Information Technology	Mount Carmel College,Bengluru,Karnataka	MSc IT
Arun Rana	B.Sc.-Information Technology	Manav Rachna International Institute of Research and Studies,Haryana	MCA
Shruti	Bachelor of Computer Applications	University of petroleum, dehradun	MCA
Siddharth	Bachelor of Computer Applications	Amity University,Noida	MCA
Nikhil Dutt	Bachelor of Computer Applications	Jamia Millia Islamia,Dehi	MCA
Himanshu Ahuja	Bachelor of Computer Applications	Jagannath Institute of ManagementStudies,Delhi	MCA
Pawan Vashisth	Bachelor of Computer Applications	DAV,faridabad	MCA
Ashutosh Roy	Bachelor of Computer Applications	Management Education & Research Institute (MERI), IP University	MCA
Mayank Jain	Bachelor of Computer Applications	Amity University,Noida	MCA
Medhavi	Bachelor of Computer Applications	Manav Rachna International Institute of Research and Studies,Haryana	MCA
Pankaj Singh	Bachelor of Computer Applications	ReyedinTechstack Pvt. Ltd.	Data Science
Adarsh Sharma	Bachelor of Computer Applications	Seneca College, Toronto	Post Graduate diploma in cloud architecture and administration
Naman Malhotra	Bachelor of Computer Applications	Maac Institute MG Road Gurgaon	ADIGID
Tushar Rexwal	Bachelor of Computer Applications	Manav Rachna International Institute of Research and Studies,Haryana	MCA

Ankita Kumari	Bachelor of Computer Applications	Amity University	MCA
Ankit Yadav	Master of Computer Applications	Manav Rachna International Institute of Research and Studies, Haryana	MCA
Ravi Kumar	Master of Computer Applications	Manav Rachna International Institute of Research and Studies, Haryana	MCA

#### d. Faculty members: Awards & Recognitions: 2021-22

Name of Faculty Member	Awards/Recognition
Rashmi Agrawal	Recognition as Keynote Speaker in 3rd International Conference on Smart and Intelligent Learning for Information Optimization (CONSILIO-2021) (09-07-2021-10-07-2021)
Rashmi Agrawal	Recognition as Invited Speaker to deliver lecture on Internet of Things: Looking Beyond the Hype (October 23, 2021)
Rashmi Agrawal	Recognition as Invited Speaker to deliver lecture in one-week AICTE Sponsored STTP on "Emerging Research Areas in Big Data Computing" (11-10-2021 to 16-10-2021)
Parul Gandhi	Recognition as Invited Speaker to deliver lecture on Soft Computing (26-11-2021)
Chitra Jalota	Recognition as Invited Programme Committee Member and Reviewer at International Conference on sustainable and Innovative solutions for current Challenges in Engineering and Technology (13-11-2021 to 14-11-2021)
Chitra Jalota	Recognition as Invited reviewer for paper titled "Improved Document Categorization using Natural Language Toolkit in Python" (10-09-2021)
Neha Gupta	Recognition as Invited Session Chair in "Asian Conference on Innovation in Technology (ASIANCON) 2021" (27-08-2021 to 29-08-2021)
Priyanka Sharma	Recognition for publishing patent: An Agricultural System For Early Blight Detection With IoT Connectivity (15-10-2021)
Sachin Sharma	Recognition as Invited Speaker to deliver lecture on "Data Mining" at Gita Vidya Mandir Girls College, Sonapat (27-11-2021)
Anupama Chadha/Pankaj	Recognition for publishing patent: An IoT Based GAIT Trainer System for Physically Disabled Children (18-12-2021)
Rashmi Agrawal	Professional Membership has been admitted as a member of the Association for Computing Machinery (Jan 2022)
Rashmi Agrawal	Excellent Contributor: Outstanding contribution in Research & Innovation (Feb 2022)
Rashmi Agrawal	Recognition for Outstanding Contribution in Research and innovation (09-03-2022)
Rashmi Agrawal	Appreciation for mentoring startup Project : Empire Gaming (08-04-2022)
Rashmi Agrawal	Academic Excellence Award 2021 (19-06-2022)
Rashmi Agrawal	Recognition for invited Session Chair on Data Sciences at 6th International Conference on Advances in Computing and Data Sciences (ICACDS)-2022 held at G. Pullaiah College of Engineering and Technology, Kurnool, Andhra Pradesh (22-04-2022 to 23-04-2022)
Rashmi Agrawal	Appreciated as Resource Person for delivering lecture on FDP: Computer Vision and image processing (30-05-2022 to 03-06-2022)
Rashmi Agrawal	Powerful Women of the year (June 2022)
Parul Gandhi	Recognition as session chair International Conference on Smart computing technologies and business management strategies at Department of Computer Application (DCA),



	Chandigarh Business School of Administration, a constituent college of Chandigarh Group of Colleges (CGC), Landran, Mohali. (20-01-2022)
Neerja Negi	Recognition for publishing patent: Machine Learning Analytics for Specialized stock trading (20-01-2022)
Neerja Negi	Recognition for publishing patent: Intelligent Electricity Utilization Management System (15-02-2022)
Priyanka Sharma	Recognition as Educationist and Researcher: Powerful Women Transforming Nation Awards 2022 (09-03-2022)
Priyanka Sharma	Best Paper award in International Conference-Titled: Patient and Doctor Key Management in Electronic Health Record Using Block Chain CIEMA 2022(26-03-2022 to 27-03-2022)
Kavita Arora	Recognition as Invited session chair for Track 1 ICT in International Conference on Futuristic Trends for Sustainable Ecosystem (FTSE-2021) (26-08-2021 to 28-08-2021)
Kavita Arora	Awarded First Prize for pitching Best Business Plan (11-03-2022 to 12-03-2022)
Anupriya Jain	Awarded as Session Chair: The International Conference on Bio-Neuro Informatics and Algorithms organised by Symbiosis Institute of Digital and Telecom Management(21-06-2022 to 22-06-2022)
Anupriya Jain	Recognition for expert lecture on Object Oriented Programming (28-04-2022)
Anupriya Jain	Certificate of appreciation as a resource person in FDP on Recent Trends in Cyber Security and Machine Learning(01-06-2022 to 05-06-2022)
Seema Sharma	Recognition for the invited Session Chair at the International Conference on Bio-Neuro Informatics and Algorithms organised by Symbiosis Institute of Digital and Telecom Management (21-06-2022 to 22-06-2022)
Seema Sharma	Certificate of appreciation as a resource person in FDP on Recent Trends in Cyber Security and Machine Learning(01-06-2022 to 05-06-2022)

#### e. FDPs attended by Faculty Members: 2021-22

Name of the Faculty member	Title of the Event	Date From	Date to
Aastha Budhiraja	FDP on MATLAB for Engineering Applications recognised by AICTE	30-05-2022	03-06-2022
Aastha Budhiraja	FDP on STC on OBE and NBA Accreditation recognised by AICTE	23-05-2022	27-05-2022
Anupama Chadha/Pankaj	FDP on Effective Academic Practices	10-01-2022	14-01-2022
Anupama Chadha/Pankaj	AICTE Recognised STC on Artificial Intelligence & Big Data Analysis of Electrical Engineering (in Collaboration with Math Works) through ICT	07-03-2022	11-03-2022
Anupriya Jain	Faculty Development Programme on Effective Academic Practices	10-01-2022	14-01-2022
Anupriya Jain	FDP on STC on OBE and NBA Accreditation recognised by AICTE	23-05-2022	27-05-2022
Chitra Jalota	Entrepreneurship and Challenges	12-07-2021	16-07-2021
Chitra Jalota	Internet of Things and Sensors	26-07-2021	30-07-2021
Chitra Jalota	Emphasizing the centrality of Marketing to Business	20-09-2021	24-09-2021
Chitra Jalota	Advance Data Analysis in Management and Engineering Research	01-08-2021	05-08-2021
Chitra Jalota	Faculty Development Programme on Effective Academic Practices	10-01-2022	14-01-2022



Kavita Arora	Advance Concepts on Networking and Linux	31-05-2021	05-06-2021
Kavita Arora	FDP on Leadership Mastery Through Self Management	27-12-2021	31-12-2021
Kavita Arora	Faculty Development Programme on Next Generation Artificial Techniques & Applications	08-02-2022	13-02-2022
Kavita Arora	Faculty Development Programme on Effective Academic Practices	10-01-2022	14-01-2022
Kavita Arora	FDP on STC on OBE and NBA Accreditation recognised by AICTE	23-05-2022	27-05-2022
Neda Fatima	FDP on MATLAB for Engineering Applications recognised by AICTE	30-05-2022	03-06-2022
Neerja Negi	Artificial Intelligence for Computer Vision	12-07-2021	16-07-2021
Neerja Negi	Faculty Development Programme on Effective Academic Practices	10-01-2022	14-01-2022
Neerja Negi	Faculty Development Programme on Machine Learning for Internet of Things	03-01-2022	08-01-2022
Neerja Negi	STTP on Blockchain Technology & Networks	07-03-2022	12-03-2022
Neerja Negi	FDP on STC on OBE and NBA Accreditation recognised by AICTE	23-05-2022	27-05-2022
Neha Gupta	Faculty Development Programme on Effective Academic Practices	10-01-2022	14-01-2022
Neha Gupta	FDP on STC on OBE and NBA Accreditation recognised by AICTE	23-05-2022	27-05-2022
Parul Gandhi	Faculty Development Programme on Effective Academic Practices	10-01-2022	14-01-2022
Parul Gandhi	Unleashing Research Potential: Global Trends and Practices	07-03-2022	11-03-2022
Parul Gandhi	FDP on STC on OBE and NBA Accreditation recognised by AICTE	23-05-2022	28-05-2022
Priyanka Sharma	Robust AI: Building through Data Exploration, Pre-processing and Representation	01-10-2021	05-10-2021
Priyanka Sharma	Faculty Development Programme on Effective Academic Practices	10-01-2022	14-01-2022
Priyanka Sharma	FDP on STC on OBE and NBA Accreditation recognised by AICTE	23-05-2022	27-05-2022
Raj Kumar	Faculty Development Programme on Effective Academic Practices	10-01-2022	14-01-2022
Raj Kumar	Five Days Global E-FDP on Unleashing Research Potential: Global Trends and Practices	07-03-2022	11-03-2022
Raj Kumar	FDP on OBE and NBA Accreditation recognised by AICTE	23-05-2022	27-05-2022
Rashmi Agrawal	FDP on Effective Academic Practices	10-01-2022	14-01-2022
Richa Vijay	FDP on MATLAB for Engineering Applications recognised by AICTE	30-05-2022	03-06-2022
Sachin Sharma	FDP on STC on OBE and NBA Accreditation recognised by AICTE	23-05-2022	27-05-2022
Seema Sharma	Faculty Development Programme on Effective Academic Practices	10-01-2022	14-01-2022
Seema Sharma	FDP on STC on OBE and NBA Accreditation recognised by AICTE	23-05-2022	27-05-2022
Sonal Pathak	Faculty Development Programme on	10-01-2022	14-01-2022



	Effective Academic Practices		
Sonal Pathak	FDP on STC on OBE and NBA Accreditation recognised by AICTE	23-05-2022	27-05-2022
Sonia Duggal	FDP on STC on OBE and NBA Accreditation recognised by AICTE	23-05-2022	27-05-2022
Stuti Tandon	FDP on STC on OBE and NBA Accreditation recognised by AICTE	23-05-2022	27-05-2022
Stuti Tandon	FDP on MATLAB for Engineering Applications recognised by AICTE	30-05-2022	03-06-2022
Vishawjyoti	Faculty Development Programme on Effective Academic Practices	10-01-2022	14-01-2022
Vishawjyoti	FDP on STC on OBE and NBA Accreditation recognised by AICTE	23-05-2022	27-05-2022

**f. Events Organized: 2021-22**

Title	From Date	To Date
Short Term Course on OBE and NBA Accreditation in collaboration with NITTTR Chandigarh	23-05-2022	27-05-2022

**g. Faculty Research Papers: 2021-22**

Title of paper	Name of the author/s	Name of journal	Year of publication
A big data framework for E-Government in Industry 4.0	Cu Kim Long, Rashmi Agrawal, Ha Quoc Trung and Hai Van Pham	Open Computer Science	2021-22
Artificial Intelligence Based Video Games	Vishawjyoti, Rohit Rawat, Fardeen Saifi, Jai Kumar Sharma	International Journal of Advanced Research, Ideas and Innovations in Technology	2021-22
Converging AI and Robotic: Techniques and Applications	Ankit Raj, Lakshita Gugnani, Manish Dubey, Neha Gupta	Artificial & Computational Intelligence	2021-22
Cyber Security and the Internet of Things: Vulnerabilities, Threats & Future of IoT	Stephin Philip, Anant Chaturvedi, Pawan Vashisht & Neha Gupta	International Journal of Advance Research, Ideas and Innovations in Technology	2021-22
Designing a Smart Cart Application with Zigbee and RFID Protocols.	Palvadi Srinivas Kumar, Abhishek Kumar, Rashmi Agrawal, Pramod Singh Rathore	Recent Advances in Computer Science and Communications (Formerly: Recent Patents on Computer Science)	2021-22
Domain Adaptable Model for Sentiment Analysis	Vaishali Kalra, Rashmi Agrawal, Shrishti Sharma	Mechatronic Systems and Control	2021-22

E-Learning Platforms - A Review	Raj Kumar, ChandermaniAttri	International Journal of All Research Education and Scientific Methods (IJARESM)	2021-22
Global Artificial Intelligence in Agriculture	Mitali, Sunita Joshi, Neerja Negi	International journal of Advanced Research and Science Communication and Technology	2021-22
Metric Approach to Anticipate Reusability of Object-Oriented (O-O) Software Systems	Bharti Bisht, Parul Gandhi	Turkish Journal of Computer and Mathematics Education (TURCOMAT)	2021-22
Online Education in the Time of COVID19 Crisis	Keshav Dahiya, Naman Malhotra, Vaibhav Bachhwai, & Neha Gupta	International Journal of Engineering Technologies and Management Research	2021-22
Review on Ethical Hacking and its Techniques	Sachin Sharma, Hardik Saini, Deepak Makhija, Kamlesh Belwal	IIOAB Journal	2021-22
Sentiment Classification Using Feature Selection Techniques for Text Data Composed of Heterogeneous Sources	Vaishali Arya, Rashmi Agrawal	Recent Advances in Computer Science and Communications (Formerly: Recent Patents on Computer Science)	2021-22
Soft Computing Techniques for Software Fault Prediction: Comparative Analysis	Gurmeet Kaur, Jyoti Pruthi, Parul Gandhi	International Journal of Advance Computational Engineering and Networking (IJACEN)	2021-22
Software Reliability Assessment Using Hybrid Neuro-Fuzzy Model	Parul Gandhi, Mohammad Zubair Khan, Ravi Kumar Sharma, Omar H. Alhazmi, Surbhi Bhatia, Chinmay Chakraborty	Computer Systems Science & Engineering	2021-22

#### h. Book Chapters: 2021-22

Name of the teacher	Title of the book/chapters published	Title of the proceedings of the conference
Anupama Chadha	NA	Deep Fake An Overview
Chitra Jalota	NA	Feature Selection Algorithm and Student Academic Performance A Study
Chitra Jalota	Privacy Preserving using Data Mining	NA



Mridula Batra	NA	Optimizing Greedy Algorithm to Balance the Server Load in Cloud Simulated Environment
Mridula Batra	Fault Tolerance Algorithm for Cloud Node Reliability	NA
Neerja Negi	NA	Clustering Algorithm in Healthcare
Neha Gupta	NA	Imputation of Missing Values using Improved K-Means Clustering Algorithm to Attain Data Quality
Neha Gupta	NA	Polynomial Based Linear Regression Model to Predict COVID-19 Cases
Neha Gupta	NA	Systematic review of virtual reality its challenges
Neha Gupta	NA	A systematic review of techniques, tools and applications of machine learning
Neha Gupta	NA	Analysis of COVID-19 data using machine learning techniques
Neha Gupta	Introduction to hardware accelerator system for artificial intelligence and machine learning	NA
Neha Gupta	NA	Understanding and Implementing Machine Learning Models with Dummy Variables with Low Variance
Neha Gupta	NA	Optimizing Greedy Algorithm to Balance the Server Load in Cloud Simulated Environment
Neha Gupta	NA	An Analytical View of Revocable Attribute Based Encryption Scheme
Neha Gupta	Fault Tolerance Algorithm for Cloud Node Reliability	NA

Neha Gupta	Transforming Cybersecurity Solutions Using Blockchain	NA
Neha Gupta	Impact of Deep Learning on Semantic Sentiment Analysis	NA
Neha Gupta	Integrating Semantic Acquaintance for Sentiment Analysis	NA
Parul Gandhi	Significance of data mining in the domain of intrusion detection	NA
Parul Gandhi	Data driven Decision Making using Analytics	NA
Parul Gandhi	Internet of Things in Business Transformation Developing an Engineering and Business Strategy for Industry 5.0	NA
Poonam Chaudhary	NA	Orthonormal wavelet transform for efficient feature extraction for sensory-motor imagery electroencephalogram brain-computer interface
Priyanka Sharma	Internet of Things and Blockchain	NA
Rashmi Agrawal	NA	Analysis of COVID-19 data using machine learning techniques
Rashmi Agrawal	NA	Feature Selection Algorithm and Student Academic Performance A Study
Rashmi Agrawal	NA	Building English-Punjabi Parallel Corpus for Machine Translation
Rashmi Agrawal	NA	Orthonormal wavelet transform for efficient feature extraction for sensory-motor imagery electroencephalogram brain-computer interface
Rashmi Agrawal	Privacy Preserving using Data Mining	NA
Rashmi Agrawal	Changing World Smart Homes	NA



	Review and Future	
Rashmi Agrawal	Blockchain Technology Applications for Next Generation	NA
Rashmi Agrawal	Swarm Intelligence Optimization Algorithms and Applications	NA
Rashmi Agrawal	Smart IoT for Research and Industry	NA
Rashmi Agrawal	NA	Comparative Analysis of Machine Learning Algorithm for Hybrid Sources of Textual Data In Development of Domain Adaptable Sentiment Analysis Model
Rashmi Agrawal	NA	Security and Privacy in IOT
Rashmi Agrawal	NA	A Review of Big Data and Machine Learning Techniques in Healthcare
Rashmi Agrawal	NA	Diabetes prediction by using Big Data Tool and Machine Learning Approaches
Rashmi Agrawal	NA	Multi Model Implementation on General Medicine Prediction with Quantum Neural Networks
Rashmi Agrawal	NA	Analysis of COVID-19 Data Using Machine Learning Techniques
Rashmi Agrawal	Transforming Cybersecurity Solutions Using Blockchain	NA
Rashmi Agrawal	Impact of Deep Learning on Semantic Sentiment Analysis	NA
Rashmi Agrawal	Integrating Semantic Acquaintance for Sentiment Analysis	NA
S S Tyagi	Blockchain for business, how it creates value	NA
S.S. Tyagi	NA	Secure data storage in cloud using encryption algorithm

S.S. Tyagi	NA	Design a Hybrid Algorithm Using ACO and Best-Fit Optimization Algorithm for Energy Consumption in Cloud Data Center
S.S. Tyagi	NA	An Analysis and Comparative Study of Data Deduplication Scheme in Cloud Storage
Shaveta Bhatia	Blockchain for business, how it creates value	NA
Simran Jolly	NA	Building English-Punjabi Parallel Corpus for Machine Translation
Sonal Pathak	NA	Impact of Internet of Things and Artificial Intelligence on Human Resource Development
Sonal Pathak	Blockchain Enabled Supply Chain Management System	NA
Vishawjyoti	E-Wallets	NA
Parul Gandhi, N K Chadha	Thesis Writing: A Complete Guide to Research and Phd Journey	NA
Parul Gandhi, N K Chadha	Dissertation Writing: A Complete Guide to Research	NA
Pramod Singh Rathore, Vishal Dutt, Rashmi Agrawal, Satya Murthy Sasubilli, and Srinivasa Rao Swarna	Deep Learning approaches to Cloud Security	NA
Anupriya Jain, Sachin Sharma, Seema Sharma, Sonia Duggal	Nature Inspired Algorithm and Applications	NA
Sonal Pathak, Anupriya Jain, Sachin Sharma, Sonia Duggal	Impact of Artificial Intelligence on Organisational Transformation	NA
Anupama Pankaj Sachin Sharma Vasudha Arora	Computational Science and Its Applications	NA
Neerja Negi , Geetika Chawla	Clustering Algorithm in Healthcare	NA



Anupriya Jain, Seema Sharma, Sachin Sharma	Firefly	NA
Anupama Chadha	An Efficient K-means Algorithm: Generating Clusters Dynamically in MapReduce Framework	NA
Parul Gandhi	Significance of data mining in the domain of intrusion detection	NA
Seema Sharma	The Data given Blockchain Ecosystem	NA
Parul Gandhi	IoT-enabled healthcare - a paradigm shift	NA
Neha Gupta, Rashmi Agrawal	Integrating Semantic Acquaintance for Sentiment Analysis	NA
Chitra Jalota, Rashmi Agrawal	Privacy Preserving using Data Mining	NA
Pooja Tiwari Vikas Garg Rashmi Agrawal	Changing World: Smart Homes Review and Future	NA
Neha Gupta, Rashmi Agrawal	Epidemic Analysis of COVID-19 Using Machine Learning Techniques	NA
Neha Puri, Vikas Garg, Rashmi Agrawal	Blockchain Technology Applications for Next Generation	NA
Abhishek Kumar, Pramod Singh Rathore, Vicente Garcia Díaz, Rashmi Agrawal	Swarm Intelligence Optimization: Algorithm and Applications	NA
Melody Moh, Kanta Prasad Sharma, Rashmi Agrawal, Vicente Garcia Diaz	Smart IoT for Research and Industry	NA
Parul Gandhi, Surbhi Bhatia, Kapal Dev	Data driven Decision Making using Analytics	NA

Nikhil, Neha Gupta, Arushi Saini, Santu Pandey	NA	Instigating Decentralized Apps with Smart Contracts
Isha Gupta, Inanath Chatterjee, Neha Gupta	NA	Latent Semantic Analysis based Real-world Application of Topic modeling: A Review Study
Ankit Raj, Manish Dubey, Lakshita Gugnani, Neha Gupta	NA	Synergizing Smart Home with Smart Parking using IOT
Anupam Tiwari, Usha Batra	NA	Blockchain Enabled Internet-Of-Vehicles on Distributed Storage
Kamal Batra, Parul Gandhi	NA	Artificial Neural Network-Based Model for the Prediction of Evaporation in Agriculture
Bharti Bisht, Parul Gandhi	NA	Reusability Estimation of Object-Oriented (O-O) System Using SOM Technique
Rajyalakshmi Jaiswal, Sailesh Suryanarayan Iyer, Kavita Arora	NA	Chronic Kidney Disease Detection Using Machine Learning Regression Models
Bhagvender Singh, Kavita Arora, Sailesh Suryanarayan Iyer	NA	Intensify Assured PHR Sharing in Cloud Using Entropy Based Signature Cryptosystem
Rashmi Agrawl, Neha Gupta	NA	Impact of Activation Functions of Neural Network in Mammographic Masses
Priyanka Sharma, Nitin Kumar Saran; Samrat Ray; Joel Alanya-Beltran; KorakodTongkachok	NA	An Exploratory analysis of Machine Learning adaptability in Big Data Analytics Environments: A Data Aggregation in the age of Big Data and the Internet of Things
Anupriya Jain	NA	Language Comparison in various domain
Anupriya Jain	NA	Super Agent: Chatbot for customer support
Anupriya Jain	NA	Social media marketing strategies and its impact
Parul Gandhi	NA	Comparative Analysis Of Web Frameworks (Angularjs And Reactjs)
Parul Gandhi	NA	A Research Paper on Smart Agriculture Using IOT
Raj Kumar	NA	Review Paper on Blockchain Technology



Isha Gupta, Inanath Chatterjee, Neha Gupta	NA	Sentiment analysis of COVID-19 Tweets
Usha Batra	NA	Medical Cyber Physical System Enabled with Permissioned Blockchain
Venkatesh Bharti, Vishal Sharma, Krishna Sureka, Rashmi Agarwal	NA	A Novel Smart Parking System Using IoT
Kavita Arora	NA	Chronic Kidney Disease Detection Using Machine Learning Regression Models
Sonal Pathak, Kavita Arora, Mridula Batra	NA	Influence of Artificial Intelligence and Machine Learning Algorithm on Human Psychology and Decision Making
Divyansh Pushkarna, Mayank Bhati, Peeyush Sharma, Mridula Batra	NA	Reasons to Secure India against Cyber Attacks
Shobha Chawla, Neha Gupta	NA	An Analytical View of Revocable Attribute Based Encryption Scheme
Nikhil, Arushi Saini, Santu Pandey, Neha Gupta	NA	Polynomial Based Linear Regression Model To Predict Covid-19 Cases
Bharti Bisht, Parul Gandhi	NA	Reusability Estimation of Object-Oriented (O-O) System using SOM Technique
Neha Gupta, Mridula Batra, Anita Khosla	NA	Optimizing Greedy Algorithm to Balance the Server Load in Cloud Simulated Environment
Stephen Phillip, Pawan Vashisth, Anant Chaturvedi, Neha Gupta	NA	Imputation of Missing Values using Improved K-Means Clustering Algorithm to Attain Data Quality
Vishawjyoti, Nikhil Dutt, Mahak Gupta, Jai Singh	NA	Home automation using internet of things
Vishawjyoti, Nidhi Bhuttan, Muskan Jain, Shruti Varshney	NA	Artificial Intelligence in Machine Learning
Sonal Pathak, Apoorav Jhavar, Mukul Sharma, Archit Kohli	NA	Improvised Security of IoT Through Blockchain

Board of Faculty			
1	Dr. Pradeep Kumar	Professor & Dean FCA	Chairperson
2	Dr. Shaveta Bhatia	Prof. & Head-CA	Member
3	Dr. Parul Gandhi	Professor-CA	Member
4	Dr. Sonal Pathak	Associate Professor	Member
5	Ms. Neerja Negi	Assistant Professor	Member
6	Dr. Usha Batra	Professor & Dean-FCA	Member
7	Dr. Rashmi Agrawal	Professor & Head-CA	Member
8	Dr. C K Nagpal	Professor, Dept. of Computer Science & Engg, J.C Bose University of Science & Technology, YMCA, Faridabad	External Member
9	Dr. Nanhay Singh	Professor & Head, CSE Department Ambedkar Institute of Advanced Communication Technologies and Research (AIACTR) Delhi	External Member

Board of Studies			
1	Dr. Usha Batra	Professor & Dean-FCA	Chairperson
2	Dr. Rashmi Agrawal	Professor & HoD-CA	Member
3	Dr. Parul Gandhi	Professor-CA	Member
4	Dr. Anupma Pankaj	Professor-CA	Member
5	Dr. Anupriya Jain	Professor-CA	Member
6	Dr. Neha Gupta	Associate Professor-CA	Member
7	Dr. Sonia Duggal	Associate Professor-CA	Member
8	Dr. Seema Sharma	Assistant Professor-CA	Member
9	Dr. Kavita Arora	Assistant Professor-CA	Member
10	Dr. Afshar Alam	Professor & Dean, School of Engineering Science & Technology, Jamia Hamdard University, New Delhi	External Member
11	Mr. Siddharth Das	President & Co-Founder, Stratemis Pvt Ltd, Gurugram	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:

Name of the Faculty	Departments	Student Intake		Total Admissions	
		UG	PG	UG	PG
Faculty of Media Studies and Humanities	BA-Journalism and Mass Communication (BJMC)	30		31	
	BA (Hons) English	30		29	
	MA-Journalism and Mass Communication (MJMC)		05		01
	MA English		10		08

#### Faculty of Media & Humanities:

#### List of Faculty Member

Name of the Full-time teacher	Designation	Department
Suman Kumari	Associate Professor	Journalism & Mass Communication
Diksha Bhashkar Bhatia	Assistant 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
Aditya Shukla	Associate Professor	Journalism & Mass Communication
Riya Gupta	Assistant 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
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
Mouli Chowdhury	Assistant Professor	English
Kanupriya Pathik	Associate 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: 2021-22

Activity Description	No. of Participants
Career Counseling on Challenges in News Gathering in the New Normal	37
Career Counseling on Bharatvarshiya Communication	51



Career Counseling on New World of Radio	43
Television Journalism: The Success Mantra	63
Career Guidance on Women in Newsroom: Icons of Glamour or Voices of the Marginalized?	58
Workshop on DSLR and Mobile Photography-Career Growth	50

#### b. Student progression to higher education during the year:2021-22

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Sakshi Sharma	B.A.-Journalism and Mass Communication	Sharda University, Noida,U.P.	MA JMC
Somya Sharma	B.A.-Journalism and Mass Communication	Amity University Noida U.P.	MA JMC
Vipin	B.A.-Journalism and Mass Communication	Manav Rachna International Institute of Research and Studies,Haryana	MA JMC
Waqar Ali Ahmad	B.A.-Journalism and Mass Communication	Central University of Jammu	MA JMC
Ankit Jaglan	B.A.-Journalism and Mass Communication	Manav Rachna International Institute of Research and Studies,Haryana	MA JMC
Sahil Bhati	B.A.-Journalism and Mass Communication	Manav Rachna International Institute of Research and Studies,Haryana	MA JMC

#### c. Faculty members: Awards & Recognitions: 2021-22

Name of Faculty Member	Awards/Recognition
Maithili Ganjoo	Certificate of Recognition for presenting preliminary finding of National Survey insights during 'Media Mantra 2021-Unlocking Digital', Department of Extension & Communication, SNDT Women University, Juhu, Mumbai. (26-06-2021)
Aman Vats	Certificate of Recognition for presenting preliminary finding of National Survey insights during 'Media Mantra 2021-Unlocking Digital', Department of Extension & Communication, SNDT Women University, Juhu, Mumbai. 26-06-2021
Aman Vats	Certificate of Recognition for contributing as Judge in Filmography Festival 2021, SJMC-K.R Mangalam, Woodpecker International Film Festival & Grey Matters Communication Consulting. (16-06-2021 to 17-06-2021)
Aman Vats	Recognition as Reviewer of regular issue of the Advances in Science, Technology and Engineering Systems Journal. (28-06-2021)
Kalyan Srinivas Raygalla	Recognition as Best English Language Professor of the Year (28-12-2021)

**d. FDPs attended by Faculty Members: 2021-22**

<b>Name of Faculty Member</b>	<b>FDP/Workshop/Conference Attended</b>	<b>Date From</b>	<b>Date To</b>
Aman Vats	FDP on Effective Teaching Learning using Social Media recognised by AICTE	06-06-2022	10-06-2022
Kalyan Srinivas Raygalla	FDP on Design and Development of Digital Media Curriculum	18-02-2022	22-02-2022
Kalyan Srinivas Raygalla	FDP on Effective Teaching Learning using Social Media recognised by AICTE	06-06-2022	10-06-2022
Kalyan Srinivas Raygalla	FDP on Soft Skills and Personality Development recognised by AICTE	13-06-2022	17-06-2022
Krishna Pandey	FDP on Effective Teaching Learning using Social Media recognised by AICTE	06-06-2022	10-06-2022
Krishna Pandey	FDP on Graphics And Animation for Quality Instructional Material Development recognised by AICTE	20-06-2022	24-06-2022
Krishna Pandey	FDP on Soft Skills & Personality Development recognised by AICTE	13-06-2022	17-06-2022
Krishna Pandey	AICTE recognised STC on Climate change, Disaster Management and Sustainable Development	25-04-2022	29-04-2022
Maithili Ganjoo	Workshop on Mapping Women's Movement in India and Worldwide	28-03-2022	03-04-2022
Mantosh Kumar	FDP on Soft Skills and Personality Development recognised by AICTE	13-06-2022	17-06-2022
Mantosh Kumar	FDP on Graphics And Animation for Quality Instructional Material Development recognised by AICTE	20-06-2022	24-06-2022
Mithali Mohanty	FDP on Soft Skills and Personality Development recognised by AICTE	13-06-2022	17-06-2022
Rahul Joshi	FDP on Effective Teaching Learning using Social Media recognised by AICTE	06-06-2022	10-06-2022
Rahul Joshi	FDP on Soft Skills and Personality Development recognised by AICTE	13-06-2022	17-06-2022
Rahul Joshi	FDP on Graphics And Animation for Quality Instructional Material Development recognised by AICTE	20-06-2022	24-06-2022
Rahul Joshi	FDP on Effective and Quality Research Writing-Phase III	13-06-2022	19-06-2022
Suman Kumari	FDP on Soft Skills and Personality Development recognised by AICTE	13-06-2022	17-06-2022
Tinam Borah	FDP on Design & Development of Digital Media Curriculum	18-02-2022	22-02-2022
Tinam Borah	FDP on NEP 2020 Implementation in Higher Education Institutes recognised by AICTE	09-05-2022	13-05-2022

**e. Event Organised: 2021-22**

<b>Title</b>	<b>From Date</b>	<b>To Date</b>
STC on Graphics and Animation for Quality Instructional Material Development in collaboration with NITTTR Chandigarh	20-06-2022	24-06-2022



**f. Faculty Research Papers: 2021-22**

Title of paper	Name of the author/s	Name of journal	Year of publication
A Comparative Analysis Of Tweets Of Narendra Modi And Rahul Gandhi On Social Media Strategies For Political Communication (2017-2019)	Mr. Rahul Joshi	Studies in Indian Place Names	2021-22
A Study of TV Watching Habits Among Rural Women in Faridabad Region	Gaurav Gautam & Suman Kumari	Towards Excellence	2021-22
An Overview of the Role of Media in Communicating Health Messages	Gaurav Gautam, Suman Kumari	Anvesak	2021-22
Impact Of Communication Strategies For Agriculture Development	Devashish Tandon & Maithili Ganjoo	Madhya Bharti	2021-22
Mass Media Health Communication And Behavior Change: A Theoretical Framework	Gaurav Gautam and Suman Kumari	Rabindra Bharati Journal Of Philosophy	2021-22
New Media Communication For Social Connectivity Or Social Isolation An Analysis Of Indian Youth	Abhishek K Singh	Studies in Indian Place Names	2021-22
Role Of Psas In Raising Awareness Of Sanitation Among Rural Women	Gaurav Gautam and Suman Kumari	Shodha Prabha	2021-22
Women and social Media: A study on Lifestyle, Agency and identity	Suvarna Sharma and Maithili Ganjoo	NIU International Journal of Human Rights	2021-22
Young Women's Participation on Social Media Platforms: Lifestyle changes and challenges	Suvarna Sharma and Maithili Ganjoo	Journal of Education: Rabindra Bharati University	2021-22

**g. Book Chapters: 2021-22**

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference /
Aman Vats	Regional Hindi channels Origin, development, and challenges	NA	NA
Maithili Ganjoo	NA	Duty, Devotion and Domestic – The 3ds Of an Ideal Woman Role of Media In Constructing This Image	Embracing Re-modelling and Transformation Mapping Breakthrough Innovations ( 978-93-90154-93-7), January 2021

Maithili Ganjoo	Broken Language Fractured Identities Role and Relevance of Kashmiri language broadcasts	NA	NA
Krishna Pandey	Advertising, Gender And Social Media-Board Examination And The Concept Of Pariksha Pe Charcha: A Study	NA	NA
Prof. () Maithili Ganjoo	Regional Hindi Channels: Origin, Development, And Challenges , Regional Language Television In India	NA	NA
Prof () Aman Vats	Regional Hindi Channels: Origin, Development, And Challenges , Regional Language Television In India	NA	NA
Suman Kashyap	The Role Of Gender In Women Healthcare Communication: A Study Of Primary Health Care Center In Nagaur (Rajasthan), Advertising, Gender And Social Media	NA	NA
Prof. () Maithili Ganjoo	Coming Out Of The Closet: Emerging Third Gender ' Hero' Of The Popular Hindi Film-Analysing New Narratives , Advertising, Gender And Social Media	NA	NA
Suman Kashyap	A Comparative Analysis Of Prime Time News Of Four Hindi News Channel During First Wave Of Covid-19 Pandemic , Covid-19 Impact And Fake News	NA	NA
Rahul Joshi	An Online Review Of The Role Of Media And Its Impact On The Common Society During The Coronavirus Disease: A Special Reference To Delhi Ncr, Covid-19 Impact And Fake News	NA	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: 2021-22

Title of paper	Name of all the author/s	Student Authors	Journal/Conference/Book Title
Female Consciousness and Social realism in Jane Austen's Novels,	Chinar Khatri and Dr. Jyoti Sharma	Chinar Khatri	Langlit- An international Peer reviewed International Open Access Journal
Greek Mythology in English Romantic Poetry	Akansha Raghav and DR. Jyoti Sharma,	Akansha Raghav	Langlit- An international Peer reviewed International Open Access Journal
Relative study of Mahasweta Devi's Doodhi and Vyasa's Draupadi"	Niyati Sharma and DR. Tripti Tyagi	Niyati Sharma	Quest Journals, Journal of Humanities and Social Sciences
Studying Virginia Woolf's "Shakespeare's Sister" as an epitaph on crushed talents of the Woman	Muskan Goel and Dr. Sujata	Muskan Goel	Snodh Sarita
Mythological Reading of "Tess of the D'Urbervilles"	Bhumika Sihag and Dr. Jyoti Sharma	Bhumika Sihag	Langlit- An international Peer reviewed International Open Access Journal
The Use of Bible in Milton's epics: Paradise Lost and Paradise Regained	Aditi Jain and Dr. Jayshree Hazarika	Aditi Jain	International Journal of Scientific Research and Engineering Development
Diasporic Consciousness in the namesake by Jhumpa Lahiri	Shivani Vashist and Dr. Jyoti Sharma	Shivani Vashist	International Journal of Scientific Research and Engineering Development
"The Witty and Intelligent Women: A Critical Study of Courtesans in India with reference to Vasantsena and Umrao Jaan Ada"	Aayushi Sharma and Dr. Sujata	Aayushi Sharma	Journal of Research and Humanities and Social Science
A Comparative Study of Mother-Son Relationship in Oedipus the King and Sons and Lovers	Anshu Sharma and Dr. Sujata	Anshu Sharma	Langlit- An international Peer reviewed International Open Access Journal
"Modernity of Shakespeare"	Radhika Parasher and Dr. Shivani Vashist	Radhika Parasher	Quest Journal of Research in Humanities & Social Science

**b. Students benefited by career counseling and guidance for competitive Examinations:  
2021-22**

Activity Description	No. of Participants
Career Exploration / Creative and Technical Writing and Editing	25
Career Counseling Session on "Future Career Opportunities"	10
Career Counseling Session on "How to Redefine your Career"	20

**c. Students' progression to higher education in percentage during the year:  
2021-22**

Name of students enrolled for higher education	Graduated from which Programme	Name of Institution Joined	Admitted to (Name of Programme)
Anjali Pathak	B.A. (Hons) - English	Manav Rachna International Institute of Research and Studies, Haryana	MA English
Eshu Pathania	B.A. (Hons) - English	Manav Rachna International Institute of Research and Studies, Haryana	MA English
Mansa Panigrahi	B.A. (Hons) - English	Manav Rachna International Institute of Research and Studies, Haryana	MA English
Shikhar Gothwal	B.A. (Hons) - English	Manav Rachna International Institute of Research and Studies, Haryana	MA English
Smriti	B.A. (Hons) - English	Manav Rachna International Institute of Research and Studies, Haryana	MA English
Shambhavi Tarun	B.A. (Hons) - English	Guru Gobind Singh Indraprastha University, Delhi	MA English
Riya Kataria	B.A. (Hons) - English	Manav Rachna International Institute of Research and Studies, Haryana	MA English
Ankita Sehrawat	B.A. (Hons) - English	Manav Rachna International Institute of Research and Studies, Haryana	MA English
Aakriti Srivastava	B.A. (Hons) - English	Indira Gandhi National Open University -IGNOU, Delhi	MA English



Abhinav Mangla	B.A. (Hons) - English	Coventry University	MBA
Alisha Gulati	B.A. (Hons) - English	Indira Gandhi National Open University -IGNOU, Delhi	MA English
Bhawna Bajaj	B.A. (Hons) - English	Amity University, Noida	B Ed
Gunika Dudeja	B.A. (Hons) - English	NIIMS Global Access school for continuing education	Diploma in operations management
Himani Sangwan	B.A. (Hons) - English	LLOYD law college	LLB
Manisha Dagar	B.A. (Hons) - English	Manav Rachna University, Haryana	B Ed
Nishu Rani	B.A. (Hons) - English	Saraswati Mahila Mahavidyalaya, Haryana	M.A English
Rama Chauhan	B.A. (Hons) - English	Manav Rachna University, Haryana	B Ed
Tanushri Tiwari	B.A. (Hons) - English	Bharat sarkar prashikshansansthan, Delhi	Interior Design and decoration
Hiba Ghazal	B.A. (Hons) - English	Jamia Millia Islamia, Delhi	M.A (Arab-Islamic culture)
Kundan Raj Choudhary	B.A. (Hons) - English	Manav Rachna International Institute of Research and Studies, Haryana	MA Eng
Shivangi Jain	M.A.- English	Manav Rachna International Institute of Research and Studies, Haryana	PhD English
Chinar Khatri	M.A.- English	Manav Rachna International Institute of Research and Studies, Haryana	PhD English

#### d. FDPs attended by Faculty Members:2021-22

Name of Faculty Member	FDP/Workshop/Conference Attended	Date From	Date To
Jayashree Hazarika	AICTE Training and Learning (ATAL) Academy FDP on "Life Skills for Blissful Life" at Centre for Life Skills & Soft Skills (CLAS), Swaraj Sadan, M.D University Rohtak.	13-12-2021	17-12-2021
Jayashree Hazarika	AICTE Training and Learning (ATAL) Academy FDP on "Life Skills for Blissful Life" at Centre for Life Skills & Soft Skills (CLAS), Swaraj Sadan, M.D University Rohtak.	13-12-2021	17-12-2021

Jayashree Hazarika	One week FDP on Soft Skills & Personality Development recognised by AICTE	13-06-2022	17-06-2022
Jayashree Hazarika	FDP on Effective Teaching Learning using Social Media recognised by AICTE	06-06-2022	10-06-2022
Jyoti Sharma	One week FDP on Soft Skills & Personality Development recognised by AICTE	13-06-2022	17-06-2022
Jyoti Sharma	One week FDP on Business Startups and Innovation Management recognised by AICTE	06-06-2022	10-06-2022
Kanupriya Pathik	One week FDP on Soft Skills & Personality Development recognised by AICTE	13-06-2022	17-06-2022
Shivani Vashisht	ATAL FDP on Art and Science of Effective Teaching: Strategies and Methods	21-02-2022	25-02-2022
Shivani Vashisht	FDP on Effective Teaching Learning using Social Media recognised by AICTE	06-06-2022	10-06-2022
Shivani Vashisht	FDP on Soft Skills and Personality Development recognised by AICTE	13-06-2022	17-06-2022
Sujata	One week FDP on Soft Skills & Personality Development recognised by AICTE	13-06-2022	17-06-2022
Sujata	One week FDP on Business Startups and Innovation Management recognised by AICTE	06-06-2022	10-06-2022
Swati Chauhan	AICTE Training and Learning (ATAL) Academy FDP on "Life Skills for Blissful Life" at Centre for Life Skills & Soft Skills (CLAS), Swaraj Sadan, M.D University Rohtak.	13-12-2021	17-12-2021
Swati Chauhan	FDP on NEP 2020 Implementation in Higher Education Institutes recognised by AICTE	09-05-2022	13-05-2022
Swati Chauhan	One week FDP on Soft Skills & Personality Development recognised by AICTE	13-06-2022	17-06-2022
Tripti Tyagi	One week FDP on Soft Skills & Personality Development recognised by AICTE	13-06-2022	17-06-2022
Tripti Tyagi	FDP on Effective Teaching Learning using Social Media recognised by AICTE	06-06-2022	10-06-2022

#### e. Events Organised: 2021-22

Title	From Date	To date
International Conference on 'Cultural Unification through Literature and Language' in collaboration with CAPE CAMORIN TRUST	28-01-2022	29-01-2022
FDP on 'Soft Skills and Personality Development' in collaboration with NITTTR Chandigarh	13-06-2022	17-06-2022

#### f. Faculty members: Awards & Recognitions: 2021-22

Name of Faculty Member	Awards/Recognition
Swati	Recognition as Invited as a Resource person for the conduct of Impact lecture on Entrepreneurship and Skill Development organized by Institution Innovative council at Nazareth College of Arts and Science (Affiliated to University of Madras), Avadi, Chennai. (29-06-2021)
Shivani Vashisht	Awarded for Grant of ICSSR Research project: An Exploratory Study of Ashapurna Devi and Suchitra Bhattacharya: Narratives of Resistance and Re-Assertion (11-03-2022)



#### g. Faculty Research Papers: 2021-22

Title of paper	Name of the author/s	Name of journal	Year of publication
"Such A Strong Wish For Wings': Charlotte Bronte's Cultural Interactions"	Gurvandana R M Singh and Jyoti Sharma	The Journal Of Oriental Research Madras	2021-22
A Critical Study Of Feminism In The Novels Of Namita Gokhale	Akhand & Tripti Tyagi	Utkal Historical Research Journal	2021-22
A Study Of Vedantic Culture In WB Yeats's Selected Works	Shivangi & Tripti Tyagi	Dickensian Journal	2021-22
Account Of Resistance Of Women In The Hegemonic Power Structure In Suchitra Bhattacharya's Novels - Dahan: The Burning and Hemanter Pakhi (Autumn Bird)	Kajal Chaudhary and Shivani Vashist	Journal Of Education: Rabindra Bharati University (Print form)	2021-22
An Exploration into the Struggle for Identity in Manju Kapur's Difficult Daughters	Ritika Singh & Shivani Vashist	Shodh Samhita	2021-22
Catharsis through Confessional Poetry	Ivy Dasgupta and Jyoti Sharma	Kala Sarovar	2021-22
Dislocation and Relocation of Self: A study of Meena Alexander's Manhattan Music	Apoorva Hooda & Swati Chauhan	Kanpur Philosophers	2021-22
Historical Analysis Of Poetry As Confession"	Ivy Dasgupta ,Jyoti Sharma	The journal of Oriental Research Madras	2021-22
Mythology: Backbone Of The Literature	Jitender & Tripti Tyagi	Shodh Samhita	2021-22
Personal Experience or Fictional Story: A Study of Ice Candy Man	Mahek Dudeja and Shivani Vashist	Shodh Samhita	2021-22
Pinjar-A Critical Study of Displacement and Dislocation	Mahek Dudeja and Shivani Vashist	Juni Khyat	2021-22
Relationships And The Sense Of Loyalty In Khalid Hosseini'S The Kite Runner	Ashu Yadav and Jyoti Sharma	Turkish online journal of Qualitative Inquiry	2021-22
Resistance of the Subaltern: Heathcliff in Wuthering Heights	Gurvandana R M Singh and Jyoti Sharma	Tatva Sindhu	2021-22
Significance of Ramayana Amid Covid 19	Swati Chauhan and Lata Bhardwaj	DogoRangsang Research Journal	2021-22
State of despair in the characters of Anita Desai's Fictional world	Shweta & Swati Chauhan	DogoRangsang Research Journal	2021-22
The Absolute Place Of Animals In Indian Culture Through the Works Of Devdutt Pattanaik	Jyoti Balhara & Jayashree Hazarika	The Journal Of Oriental Research Madras	2021-22
The Artists Tryst With Nature With Special Reference To The First Generation Writers In Indian English	Swati chauhan, Sujata & Jyoti Sharma	Turkish Online Journal of Qualitative Inquiry	2021-22
The Importance of Food in Hindu Spiritualism Through the Works of Devdutt Pattanaik	Jyoti Balhara & Jayashree Hazarika	International Journal of Special Education	2021-22

The Myth Re-Enacted Sisyphus And Heathcliff	Guru Vandana R. M. Singh , Jyoti Sharma	Turkish Online Journal of Qualitative Inquiry	2021-22
The Theme Of Marriage and Matrimonial Slavery	Manbir Singh & Shivani vashist	NIU International Journal of Human Rights	2021-22

#### h. Book Chapters: 2021-22

Name of the teacher	Title of the book/ chapters published	Title of the paper	Title of the proceedings of the conference /
Jyoti Sharma, Sujata, Swati Chauhan, Jayashree Hazarika	Women's Writings and Postcolonial Literature	NA	NA
Jyoti Sharma	Leading the Digital Way, Virtual Classroom during Covid 19 Pandemic in the Indian Context	NA	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, JNU, NEW DELHI	External Member
9	Prof. Anup Beniwal	DEAN, SCHOOL OF HUMANITIES & SOCIAL SCIENCES , GGSIP	External Member



<b>Board of Studies-Journalism and Mass Communication</b>			
1	Dr. Aman Vats	Professor	Chairperson
2	Dr. Maithili Ganjoo	Professor	Member
3	Dr. Kumar Raajesh	Professor	Member
4	Dr. Suman Kumari	Associate Professor	Member
5	Dr. Krishna Pandey	Associate Professor	Member
6	Dr. Tinam Borah	Assistant Professor	Member
7	Mr. Rahul Joshi	Assistant Professor	Member
8	Dr. Manoj Kumar Singh	Associate Professor	External Member
9	Mr. Samir Kapur	Director	External Member

<b>Board of Studies-English</b>			
1	Dr Shivani Vashist	Professor and Head-Dept of English	Chairperson
2	Dr Jyoti Sharma	Professor, Dept of English	Member
3	Dr Sujata	Associate Professor, Dept of English	Member
4	Dr Jayashree Hazarika	Assistant Professor, Dept of English	Member
5	Dr. Tripti Tyagi	Assistant Professor, Dept of English	Member
6			Member
7	Prof. Anup Beniwal	University School Humanities and Social Sciences, GGSIP University, Dwarka, Delhi	External Member
8	Prof. T.N. Dhar	Retd. Professor, 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
Faculty of Management Studies	Masters in Business Administration (MBA)		120		78

#### 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
Amardeep Dhaliwal	Associate Professor	Management
Stuti Sahni	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
Bhavesh Prakash Joshi	Professor	Management
Gautam Srivastava	Professor	Management
Meghna Chhabra	Associate Professor	Management
Sanjay Srivastava	Professor	Management
Ridhi Khattar	Assistant Professor	Management
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:2021-22

Title of paper	Name of all the author/s	Student Authors	Journal/Conference/Book Title
Analyzing the Effect of Social Issue Based Advertising on the Brand Image of FMCG Companies	Anurakti Jain	Anurakti Jain	International Conference on Empowering Emerging Economies: Entrepreneurs, Women and Businesses

Analyzing the Impact of Instagram on Consumer Buying Behavior	Pratibha Aggarwal and Drishti Arora	Pratibha Aggarwal and Drishti Arora	International Conference on Empowering Emerging Economies: Entrepreneurs, Women and Businesses
A Study on the Impact of Covid -19 on Lifestyle Related Behaviour in Delhi NCR.	Jyoti, Shilpa Arora And Jeswin George	Jyoti, Shilpa Arora And Jeswin George	International Conference on Empowering Emerging Economies: Entrepreneurs, Women and Businesses
A Study on Evolution of Fintech in the Financial Industry: A Case Study of Ringmoney	Anurakti Jain, Amandeep Dhaliwal	Anurakti Jain, Amandeep Dhaliwal	International Conference on Empowering Emerging Economies: Entrepreneurs, Women and Businesses
Job Layoff and Mental Health	Kushagra Agarwal, Shipra Basor	Kushagra Agarwal, Shipra Basor	International Conference on Empowering Emerging Economies: Entrepreneurs, Women and Businesses
Airport and Terminal Designing: Sustainable Environmental Development	Anant Jain and Mayank Vashisht	Anant Jain and Mayank Vashisht	International Conference on Empowering Emerging Economies: Entrepreneurs, Women and Businesses

**b. Students benefited by career counseling and guidance for competitive Examinations:  
2021-22**

Activity Description	No. of Participants
Expert Session- Countdown To Corporate Careers	70
HR Round table-Countdown To Corporate Careers	123
Expert Session for Career Guidance in IB Operations	12
Expert Session and Career Guidance on Compensation & Benefits Management	22
Expert Session on Corporate & Workplace Practices for a Successful Career	86
Countdown to Corporate Careers: Session on Company - formation & regulation, Memorandum& Articles of Association	76
Countdown to Corporate Careers: Session on Meetings & Resolutions, Appointments & Remuneration of Managerial Personnel	75
Countdown to Corporate Careers: Expert session on "Organization culture and employee engagement" by Mr. H K Gandhi, Former Group HR Head, InterGlobe Enterprises	54
Countdown to Corporate Careers: Expert session on "Strategy Formulation and Airline service Quality by Mr. Bhargava Ramana Rayaprolu, CEO, Maruthsakra Aerospace and Aviation	3
Countdown to Corporate Careers: Expert session on " Aircraft Facility Cargo and operations and service function in Airline Industry by Sushant Nigam, International Air Cargo & AEO Consultant	11
Countdown to Corporate Careers: Expert session on "Evolving role of Finance" by Mr. Ajay Seth, Chief Financial Officer, Maruti Suzuki.	55



**c. Student progression to higher education during the year: 2021-22**

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Arshdeep Singh	Master of Business Administration	SWANSEA University, U.K.	MSc- Operation & Supply Mgt
Juli	Master of Business Administration	Tentishev Asian Medical Institute	MD Physician
Jyoti Kumar	Master of Business Administration	Manav Rachna International Institute of Research and Studies, Haryana	Phd

**d. Faculty members: Awards & Recognitions: 2021-22**

Name of Faculty Member	Awards/Recognition
Amandeep Dhaliwal	Recognition as Keynote Speaker in International Conference on Finance, Information Technology & management at Ghanzou China (24-09-2021 to 26-09-2021)
Stuti Sahni	Recognition as Invited Speaker to deliver session on "Enhancing efficiency and effectiveness at workplace: Strategies" during training programme on Enhancing Administrative Efficiency, Haryana Institute of Public Administration. (04-06-2021)
Stuti Sahni	Recognition as Invited Speaker to deliver session on "Enhancing Administrative Efficiency: Work in Professional Manner" for Vigilance officers of Haryana during "Training Program on Capacity Building in Service Matters", Haryana Institute of Public Administration. (07-06-2021)
Stuti Sahni	Recognition as Invited Speaker to deliver session on "Simplified Strategies for Improving Administrative Efficiency" for Teachers from the Department of School Education of Haryana during "Training Program on Quality Improvement", Haryana Institute of Public Administration. (15-06-2021)
Stuti Sahni	Recognition as Invited Speaker to deliver session on "Human Values and Professional Ethics" in "Training Programme organised by Haryana Institute of Public Administration. (23-06-2021)
Stuti Sahni	Recognition as Invited Speaker to deliver session on "Enhancing Administrative Efficiency: Work in Professional Manner" in Training Programme organised by Haryana Institute of Public Administration. (12-07-2021)
Stuti Sahni	Recognition as Invited Speaker to deliver lecture on "Enhancing Administrative Efficiency: Through digital mode" (07-12-2021)
Meghna Chhabra	Recognition as Invited Speaker to deliver lecture on Writing Up of Research Proposals, Research Projects and Research Reports" (11-07-2021 to 17-07-2021)
Meghna Chhabra	Recognition as Invited Speaker to deliver lecture on "Women Entrepreneurship" at ATAL FDP on Entrepreneurship Development & Managing Start Ups at Babasaheb Bhimrao Ambedkar University, Lucknow (19-11-2021)
Meghna Chhabra	Recognition for publishing patent: LSM Luggage Trolleys: Intelligent Shopping Mall Luggage Trolleys (17-06-2021)
Deepti Dabas Hazarika	Recognition as Invited Speaker to deliver lecture on Roadmap to NBA Accreditation: Driving Outcomes for Education (01-11-2021)

**e. FDPs attended by Faculty Members: 2021-22**

Name of Faculty Member	Title	From Date	To Date
Amandeep Dhaliwal	FDP on Developing Real Life Case Studies	20-12-2021	24-12-2021
Amandeep Dhaliwal	ATAL FDP on Developing Real Life Case Studies	20-12-2021	24-12-2021
Anindita Chatterjee Rao	FDP on Leadership Mastery Through Self Management	27-12-2021	31-12-2021
Anindita Chatterjee Rao	FDP on Inculcating universal values in technical education organised by AICTE	14-03-2022	18-03-2022
Apurva Anil Chauhan	Online Workshop Structural Equation Modeling and Artificial Neural Network	21-05-2022	19-06-2022
Bhavesh Prakash Joshi	FDP on Effective Teaching Learning using Social Media recognised by AICTE	06-06-2022	10-06-2022
Deepti Dabas Hazarika	NBA Accreditation Process	28-06-2021	02-07-2021
Deepti Dabas Hazarika	FDP on Developing Interpersonal Skills and Effective Communication Intelligence	06-12-2021	10-12-2021
Gautam Srivastava	FDP on Leadership for Academicians Programme(LEAP) Recognised by AICTE	13-06-2022	17-06-2022
Niharika	Online Workshop Structural Equation Modeling and Artificial Neural Network	21-05-2022	19-06-2022
Priyanka Singh	FDP on Developing Real Life Case Studies	20-12-2021	24-12-2021
Priyanka Singh	ATAL FDP on Developing Real Life Case Studies	20-12-2021	24-12-2021
Ridhi Khattar	FDP on Effective Teaching Learning using Social Media recognised by AICTE	06-06-2022	10-06-2022
Shilpa Arora	ATAL FDP on Supply chain management	17-01-2022	21-02-2022
Shilpa Arora	ATAL FDP on Innovative Technical Education Practices and Academic Leadership	07-02-2022	11-02-2022
Shilpa Arora	ATAL FDP on Emerging issues and recent advancements in Demand and Supply chain management	07-01-2022	11-01-2022
Stuti Sahni	FDP on Entrepreneurship Development	24-05-2021	05-06-2021
Surbhi Kapur	FDP on Soft Skills and Personality Development recognised by AICTE	13-06-2022	17-06-2022

**f. Events Organised: 2021-22**

Title	From Date	To Date
Faculty Development Program on Leadership and Team Building-Professional Development Program for teaching staff	12-07-2021	16-07-2021
International Conference on Empowering Emerging Economies:Entrepreneurs,Women and Businesses : MRCON 2022 in collaboration with University of Maribor,Slovenia	18-02-2022	19-02-2022
FDP on Contemporary Industry Practices for Pedagogical Enhancement	23-02-2022	25-02-2022



**g. Book Chapters: 2021-22**

<b>Name of the teacher</b>	<b>Title of the book/chapters published</b>	<b>Title of the paper</b>	<b>Title of the proceedings of the conference /</b>
Amandeep Dhaliwal	NA	Digital Inclusion of Farmers and Rural Hinterland The Case of Digital India	Lecture Notes in Business Information Processing
Amandeep Dhaliwal	Acceptance and Adoption of Blockchain Technology: An Examination of the Security & Privacy Challenges	NA	NA
Bhavesh Prakash Joshi	Project Finance and Macroeconomic Risks	NA	NA
Bhavesh Prakash Joshi	Risk Mitigation Methodologies for Projects	NA	NA
Bhavesh Prakash Joshi	Project Development and Management	NA	NA
Bhavesh Prakash Joshi	Project Feasibility Studies	NA	NA
Bhavesh Prakash Joshi	Project Finance and Commercial Risks	NA	NA
Bhavesh Prakash Joshi	NA	Manufacturing Strategy in Firozabad Glass Cluster A Struggle	10th International Annual Convention Strategic Management for Fir in Developing Countries
Bhavesh Prakash Joshi	Changing Complexion of India Inc. and Talent Management Discovery and Development	NA	NA
Bhavesh Prakash Joshi	Mathura Refinery Edifice Of Excellence	NA	NA

Bhavesh Prakash Joshi	Crouching tiger, beware India a case study of South Korean IT Industry"	NA	NA
Bhavesh Prakash Joshi	NA	Role of IT in customer relationship management with special reference to Banking Sector	Emerging Trends in Technology Management
Bhavesh Prakash Joshi	NA	Dangee Du (Case Study)	NA
Bhavesh Prakash Joshi	NA	Regulations in Financial System	NA
Rajat Gera	NA	Diagonal recurrent neural network based prediction model for sales forecasting	Studies in Computational Intelligence
Sahil Malik	Acceptance and Adoption of Blockchain Technology: An Examination of the Security & Privacy Challenges	NA	NA
Amit Seth, Monika Goel	Real Life Management Case Studies- Developed In Factual Conversation with Industry Leaders, Bhartiya Valves Pvt Ltd.- A Case of Entrepreneurial Excellence	NA	NA

Board of Faculty			
1	Dr. Nand Lal Dhameja	Professor & Dean, Department of Management Studies	Chairman
2	Lt Gen Rakesh Kumar Anand	Professor and Dean-FMS	Member
3	Dr. Deepti Dabas Hazarika	Professor, Director & Head, Department of Management Studies	Member
4	Dr. Surbhi Kapur	Professor, Department of Management Studies	Member
5	Dr. Meghna Chhabra	Associate Professor, Department of Management Studies	Member
6	Dr. Bhavesh Prakash Joshi	Professor, Director & Head -FMS-UG	Member
7	Dr Anindita Chatterjee Rao	Professor	Member
8	Dr Narinder Tanwar	Professor	Member
9	Dr. Amandeep Dhaliwal	Assoc. Prof	Member
10	Dr. Anjali Singh	Assoc. Prof, Dept of UG	Member



11	Dr. Shilpa Arora	Assistant Professor	Member
12	Ms. Madhumita Mahapatra	Assistant Professor	Member
13	Dr. Shalini Srivastava	Professor	Member
14	Dr. Ridhi Khattar	Assistant Professor	Member
15	Dr. Ajay Kumar Jain	Professor, MDI, Gurgaon	External Member
16	Mr. Manas Sarkar	Uflex Ltd., Noida	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. Meghna Chhabra	Associate Professor	Member
9	Dr. Amandeep Dhaliwal	Associate Professor	Member
10	Dr Ridhi Khattar	Associate Professor	Member
11	Dr. Apurva Anil Chauhan	Assistant Professor	Member
12	Dr M.K Bhat	Professor	Member
13	Mr. Himanshu Pawar	Founder	Member
14	Dr. Bhavesh Prakash Joshi	Professor	Member
15	Dr. Shilpa Arora	Assistant Professor	Member
16	Ms. Rachna Aggarwal	Associate Professor, Department of Management Studies, J. C. Bose university of Science & Technology, Faridabad	External Member
17	Mr. Saurabh Dhall	Pracharnama Media Pvt. Ltd.	External Member

### 3.7 FACULTY OF HOTEL MANAGEMENT

#### Department of Hotel Management

##### Admission Status:

Name of the Faculty	Programme	Student Intake		Total Admissions	
		UG	PG	UG	PG
	B.Sc. Hospitality and Hotel Administration	20		19	

#### Faculty of Hotel Management

##### List of Faculty Members

Name of the Full-time teacher	Designation	Department
Ritika Singh	Assistant Professor	Hotel Management
Narender Suhag	Associate 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





## 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: 2021-22

Activity Description	No. of Participants
Webinar on Careers in Hospitality	29
Education leaders Summit	25
Career in Hotel Management	15
International Housekeeping Week	25
World Tourism Day	40
International Chefs Day	30
Career Guidance in Hotel management	40

#### b. Student's Publications:2021-22

Title of paper	Name of all the author/s	Student Authors	Journal/Conference/Book Title
Analyzing the Effect of Social Issue Based Advertising on the Brand Image of FMCG Companies	Anurakti Jain	Anurakti Jain	International Conference on Empowering Emerging Economies: Entrepreneurs, Women and Businesses

#### c. Student progression to higher education during the year: 2021-22

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Nermati Mani Kumar Reddy	B.Sc.-Hospitality and Hotel Administration	Fanshawe Toronto Campus	Hospitality and Tourism Operations Management

**d. FDPs attended: 2021-22**

Name of Faculty Member	Title	From Date	To Date
Kunal	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Narender Suhag	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Nikita Tomar	FDP on Indian Heritage Management	05-07-2021	09-07-2021
Nikita Tomar	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Prachi	FDP on Leadership Mastery through Self Management	27-12-2021	31-12-2021
Prachi	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Ritika Singh	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022

**e. Events organised: 2021-22**

Title	From Date	To Date
Faculty Development Program on Managing Human Resources-Professional Development Program for teaching staff	27-08-2021	27-08-2021
Workshop on making Sustainable Hospitality Model:Professional Development Program for teaching staff	14-09-2021	14-09-2021
Faculty Development Program on International Housekeeping Week:Professional Development Program for teaching staff	15-09-2021	15-09-2021
Workshop on Healthy food for Healthy Living-Professional Development Program for teaching staff	20-10-2021	20-10-2021
Workshop on Healthy Salads Preparations-Professional Development Program for teaching staff	21-10-2021	21-10-2021

**f. Faculty members: Awards & Recognitions:2021-22**

Name of Faculty Member	Awards / Recognition
Ritika Singh	Eminent Social Activist Award for protecting and promoting Human Rights, Peace & Harmony on the occasion of 11th International Human Rights Summit & Awards (10-12-2021)



### Board of Faculty-FHM

1	Lt. Gen Rakesh Kumar Anand (Retd)	Dean, FMS	Chairperson
2	Dr. Narender Suhag	Associate Professor & Head Department of Hotel Management	Member
3	Ms. Ritika Singh	Assistant Professor, Director Faculty of Hotel Management	Member
4	Ms. Nikita Tomar	Assistant Professor, Department of Hotel Management	Member
5	Mr. Neeraj Chandhok	CEO, Building Block Customer Services Ltd, South West Delhi, Delhi	External Member
6	Mrs. Anita Sood	Senior Lecturer (Retd.), Delhi Institute of Hotel Management	External Member

### Board of Studies-FHM

1	Dr. Narender Suhag	Associate Professor, Head Department of Hotel Management,	Chairperson
2	Dr. Nandini Srivastava	Professor, Department of Hotel Management, Director, CDP	Member
3	Ms. Prachi Mor	Assistant Professor, Department of Hotel Management	Member
4	Mr. Kunal	Assistant Professor, Department of Hotel Management	Member
5	Ms. Sakshi Chhabra	Director of Sales, Vivanta by Taj, Surajkund, Faridabad	Member
6	Ms. Arti Agnihotri	Learning and Development Manager, South West Asia Head, Intercontinental Hotel Group	External Member
7	Ms. Ritika Singh	Assistant Professor, Director, FHM	Special Invitee

### 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:

Name of the Faculty	Programme	Student Intake		Total Admissions	
		UG	PG	UG	PG
Faculty of Behavioral and Social Sciences	BA / B.Sc. Applied Psychology	45		43	
	BA (Hons) Economics	05		04	
	Bachelor of Liberal Arts	10		05	
	BA (Hons) Political Science	15		14	
	MA - Applied Psychology		20		16
	MA - Economics		05		04
	MA – Public Policy and Public Administration		05		02

#### Faculty of Behavioral & Social Sciences

#### List of Faculty Member Details:

Name of the Full-time teacher	Designation	Department
Jayant P V Sundaresan	Associate Professor	Applied Psychology
Swati	Assistant Professor	Applied Psychology
Garima Tuli	Assistant Professor	Applied Psychology
Vimanshi Solanki	Assistant Professor	Applied Psychology
Mitakshara Medhi	Assistant Professor	Applied Psychology
Puja Chopra	Assistant Professor	Applied Psychology
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
Divya Dhawan	Assistant Professor	Applied Psychology
Preeti Singh	Associate Professor	Economics
Durairaj Kumarasamy	Associate Professor	Economics
Priya Vij	Associate Professor	Economics
Sunando Basu	Assistant Professor	Economics
Sunetra Ghatak	Associate Professor	Economics
Manisha Nayyar	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



## 1. DEPARTMENT OF APPLIED PSYCHOLOGY

### i) Thrust Area

- Counseling
- Research
- Training

### ii) Academic Achievement:

#### a. Student's Publications: 2021-22

Title of paper	Name of all the author/s	Student Authors	Journal / Conference /Book Title
Influence of Demonetisation on various sectors of the economy	Anita Prasad and Anandajit Goswami	Anita Prasad	International Journal of Strategic Management and Decision Support Systems in Strategic Management

To Study The Relationship Between Siblings and its Impact On Our Gratitude Level: A Study With Young Adults.	Sadaa Pandoyi and Dr. Khusboo	Sadaa Pandoyi	Mukt Shabd Journal
Making Digital Platforms Work for Asia and the Pacific'	Vanshika Jain	Vanshika Jain	Journal of Asian Economic Integration

**b. Student progression to higher education in percentage during the year:  
2021-22**

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Admya Banwala	B.A. - Psychology	Kurukshetra University	MA Psychology
Aashima Kathpalia	B.A. - Psychology	Thapra Institute, Punjari	MA Psychology
Pratibha Chaudhary	B.A. - Psychology	Amity University Noida U.P.	MA Psychology
Deepanjali Sharma	B.A. - Psychology	Amity University Noida U.P.	MA Psychology
Ankita Dahiya	B.A. - Psychology	Amity University Noida U.P.	MA Psychology
Sakshi Kaushik	B.A. - Psychology	Amity University Noida U.P.	MA Psychology
Varsha	B.A. - Psychology	Banaras Hindu University	MA Psychology
Vrinda Aggarwal	B.A. - Psychology	Central University of Haryana	MA Psychology
Srija Kaistha	B.A. - Psychology	Amity University Noida U.P.	MA Psychology
Nitika	B.A. - Psychology	Banaras Hindu University, U.P.	M.A. in Psychology
Shreshtha Negi	B.A. - Psychology	Hemvati Nandan Bahuguna Garhwal University, Uttarakhand	Master of Arts (Psychology)
Admya Banwala	B.A. - Psychology	Kurukshetra University	MA Psychology
UPASANA	B.A. Psychology	Amity University	MA Clinical Psychology
GOPIKA AGGARWAL	BA/BSc Psychology	Amity University, Noida, U.P.	Msc clinical psychology
Garima Gupta	M.A. in Psychology	The Shridan college Institute of technology and advanced learning	PHRMC-Human Resources Management Coop



**c. FDPs attended by Faculty Members: 2021-22**

<b>Name of Faculty Member</b>	<b>Title of Event</b>	<b>Date From</b>	<b>Date To</b>
Anika Magan	Two-week Refresher Course on Managing Online Classes and Co-creating MOOCs 8.0	04-09-2021	18-09-2021
Anika Magan	Online one week Faculty Development Programme on Psychological Skills for Effective Teaching and Learning	06-01-2022	12-01-2022
Anika Magan	FDP on Leadership for Academicians Programme (LEAP) recognised by AICTE	13-06-2022	17-06-2022
Azmat Jahan	Online one week Faculty Development Programme on Psychological Skills for Effective Teaching and Learning	06-01-2022	12-01-2022
Azmat Jahan	FDP on Leadership for Academicians Programme (LEAP) recognised by AICTE	13-06-2022	17-06-2022
Jayant P V Sundaresan	Online one week Faculty Development Programme on Academic Research Writing	04-06-2022	10-06-2022
Khusboo	Online one week Faculty Development Programme on Psychological Skills for Effective Teaching and Learning	06-01-2022	12-01-2022
Payel Dey Ghosh	Online one week Faculty Development Programme on Academic Research Writing	04-06-2022	10-06-2022
Payel Dey Ghosh	FDP on Leadership for Academicians Programme (LEAP) recognised by AICTE	13-06-2022	17-06-2022
Priyanka Tiwari	Online one week Faculty Development Programme on Psychological Skills for Effective Teaching and Learning	06-01-2022	12-01-2022
Priyanka Tiwari	FDP on Effective academic Practices	10-01-2022	14-01-2022
Priyanka Tiwari	Five days Leadership for Academicians Programme (LEAP) recognised by AICTE	13-06-2022	17-06-2022
Swati	Online one week Faculty Development Programme on Psychological Skills for Effective Teaching and Learning	06-01-2022	12-01-2022

**d. Events organised: 2021-22**

<b>Title</b>	<b>From Date</b>	<b>To Date</b>
IBM SPSS basic level training workshop	12-01-2022	13-01-2022

**e. Faculty Research Papers: 2021-22**

Title of paper	Name of the author/s	Name of journal	Year of publication
A Positive Psychology Approach to Development and Use of Media and Technology	Swati Saharan	Mukt Shabd (print only)	2021-22
Dark or Fair? Skin Tone Bias in Personal and Professional Arenas	Kajal Daga, Anika Magan, Anurakti Mathur	International Journal of Education and Management Studies	2021-22
"WE ARE WHAT WE BROWSE" : EFFECTS OF INSTAGRAM BROWSING ON APPEARANCE INTERNALISATION AND USE OF BEAUTY APPS.	Ritika Pahwa, Priyanka Tiwari, Anika Magan	Juni Khyat	2021-22
A Systematic Review On Psycho Social Challenges Of Parenting In Today's Digital World: A Psychological Perspective	Sarika Sharma, Priyanka Tiwari	The Journal of Oriental Research Madras	2021-22
A systematic review on role of hypnotherapeutic intervention in promoting positive psychological health	Sarika Sharma, Priyanka Tiwari	Journal of Health Sciences (IJHS)	2021-22
Effect of Mindfulness on Self-Concept amongst Adolescents in Delhi & NCR	Sarika Sharma, Priyanka Tiwari	IOSR Journal Of Humanities And Social Science (IOSR-JHSS)	2021-22
Emotional intelligence and the workplace – An increased importance during covid times	Jayant Sundaresan	International Research Journal of Management Sociology & Humanities	2021-22
Psychological well-being and Social Position of women in context to Patriarchal and Matriarchal Societies in Different Eras	Trisha Sharma, Khusboo	Juni Khyat	2021-22
Raga Todi Intervention on State Anxiety level in Female Young Adults during COVID-19	S. Deka, P. Tiwari, K. Mani Tripathi	Materials Today: Proceedings	2021-22
To study the relationship between siblings and its impact on our Gratitude level: A Study with young adults	Sadaa Pandoyi, Khusboo	Mukt Shabd Journal	2021-22

**f. Book Chapters: 2021-22**

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference /
Prof . Priyanka Tiwari	Sleep quality, Anxiety and mental well-being of healthcare professionals during COVID-19, COVID 19 PANDEMIC: A flamboyant spark against human health and lifestyle,	NA	NA



**2. DEPARTMENT OF ECONOMICS &  
3. DEPARTMENT OF SOCIAL AND POLITICAL STUDIES**

**i) Thrust Area**

- Research
- Development and Consultancy

**ii) Academic Achievement:**

**a. Student progression to higher education during the year: 2021-22**

<b>Name of students enrolled for higher education</b>	<b>Graduated from which Programme</b>	<b>Name of institution joined</b>	<b>Admitted to (Name of Programme)</b>
Muskan Gupta	B.A. (Hons) - Economics	The Energy and Resources Institute: TERI , Uttarakhand	M.sc Economics
Lakshay Gaur	B.A. (Hons) - Economics	Gokhale Institute of Politics & Economics, Delhi	M.sc Agribusiness Economics
Diksha Garg	B.A. (Hons) - Economics	IIFT Indian Institute of Foreign Trade, Delhi	M.A Economics
Gautam Sharma	B.A. (Hons) - Economics	Manav Rachna International Institute of Research and Studies, Haryana	M.A Economics
Divneet Kaur	B.A. (Hons) - Economics	Manav Rachna International Institute of Research and Studies, Haryana	M.A Economics
Ishita Handa	B.A. (Hons) - Economics	RMIT University, Melbourne	M.A Economics
Palak	B.A. (Hons) - Economics	Manav Rachna International Institute of Research and Studies, Haryana	M.A Economics
Dishant Singh	B.A./B.sc Liberal Arts	Manav Rachna International Institute of Research and Studies, Haryana	MA Liberal Arts
Shivank Besoya	B.A./B.sc Liberal Arts	Manav Rachna International Institute of Research and Studies, Haryana	MA Liberal Arts
Sanskar Havelia	B.A./B.sc Liberal Arts	Manav Rachna International Institute of Research and Studies, Haryana	Masters in Public Policy and Administration

**b. FDPs attended by Faculty Members: 2021-22**

<b>Name of Faculty Member</b>	<b>Title of Event</b>	<b>Date From</b>	<b>Date To</b>
Anima Puri	Online two week Interdisciplinary Refresher Course on Advanced Research Methodology	22-01-2022	05-02-2022
Anima Puri	FDP on NEP 2020 Implementation in Higher Education Institutes recognised by AICTE	09-05-2022	13-05-2022
Anima Puri	FDP on Leadership for Academicians Programme (LEAP) recognised by AICTE	13-06-2022	17-06-2022
Bhavna Kataria	FDP on Ethics and Qualitative Methods in Research, a Multidisciplinary Approach	07-03-2022	11-03-2022
Durairaj Kumarasamy	AICTE FDP on Inculcating Universal Human Values in Technical Education	27-09-2021	01-10-2021
Durairaj Kumarasamy	FDP on Effective Academic Practices	10-01-2022	14-01-2022
Manisha Nayyar	FDP on NEP 2020 Implementation in Higher Education Institutes recognised by AICTE	09-05-2022	13-05-2022
Manisha Nayyar	FDP on Inculcating universal values in technical education organised by AICTE	14-03-2022	18-03-2022
Preeti Singh	"Faculty Development Programme on Teaching and Research Methods"	02-08-2021	06-08-2021
Preeti Singh	FDP on Effective Academic Practices	10-01-2022	14-01-2022
Priya Vij	"Faculty Development Programme on Teaching and Research Methods"	02-08-2021	06-08-2021
Puja Chopra	AICTE ATAL FDP on Developing Real Life Case Studies	20-12-2021	24-12-2021
Sunetra Ghatak	FDP on Effective Academic Practices	10-01-2022	14-01-2022
Sunetra Ghatak	FDP on Effective Teaching Learning using Social Media recognised by AICTE	06-06-2022	10-06-2022
Sunetra Ghatak	FDP on Leadership for Academicians Programme(LEAP) Recognised by AICTE	13-06-2022	17-06-2022
Upamanyu Basu	FDP on Leadership for Academicians Programme (LEAP) recognised by AICTE	13-06-2022	17-06-2022
Vishal Sagar	FDP on Leadership for Academicians Programme (LEAP) recognised by AICTE	13-06-2022	17-06-2022



**c. Faculty Research Papers: 2021-22**

Title of paper	Name of the author/s	Name of journal	Year of publication
Conflicted transitions: Exploring the actors, tactics, and outcomes of social opposition against energy infrastructure	Prof Anandajit Goswami	elsevier, Web of Science	2021-22

**d. Book Chapters: 2021-22**

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference /
Aarti Suryavanshi	Managerial Economics and Financial Analysis	NA	NA
Manisha Nayyar	Tiding over the Pandemic Wave and the Growth Strategy, Real Life Management Case Studies-Developed In Factual Conversation with Industry Leaders	NA	NA
Puja Chopra	Rural Industrialisation Challenges and Opportunities	NA	NA
Prof Anandajit Goswami	Sustainability Science for Social, Economic, and Environmental Development	NA	NA
Aarti Suryavanshi	Managerial Economics and Financial Analysis	NA	NA
Manisha Nayyar	Tiding over the Pandemic Wave and the Growth Strategy, Real Life Management Case Studies-Developed In Factual Conversation with Industry Leaders	NA	NA
Puja Chopra	Rural Industrialisation Challenges and Opportunities	NA	NA
Puja Chopra	Bhartiya Valves Pvt Ltd.- A Case of Entrepreneurial Excellence, Real Life Management Case Studies-Developed In Factual Conversation with Industry Leaders	NA	NA
Prof Anandajit Goswami	Sustainability Science for Social, Economic, and Environmental Development	NA	NA

### Board of Faculty-FBSS

Board of Faculty-Faculty of Behavioral and Social Sciences			
1	Prof. Naresh Grover	Dean FBSS & PVC	Chairperson
2	Dr Priyanka Tiwari	HoD, DoAP	Member
3	Dr Sunetra Ghatak	Associate Professor, DoE	Member
4	Dr Jayant Sundareshan	Associate Professor, DoAP	Member
5	Dr Bhavna Kataria	Assistant Professor, DOSPS	Member
6	Dr Anika Magan	Assistant Professor, DOAP	Member
7	Dr. Avinash Kumar	Associate Professor Dept. of Psychology Delhi University, New Delhi	External Member
8	Dr. Amulya Gurtu	Head of External Relations University, Wisconsin, Green Bay	External Member

### Board of Studies – Applied Psychology

1	Dr Priyanka Tiwari	Associate Professor and Head	Chairperson
2	Prof Anandajit Goswami	Director, FBSS	Member
3	Mr Jayant Sundareshan	Associate Professor	Member
4	Dr Swati Sharan	Assistant Professor	Member
5	Dr Anika Magan	Assistant Professor	Member
6	Dr Abha Singh	Director	External Member
7	Prof Navin Kumar	Associate Professor	External Member

### Board of Studies - Economics

1	Dr. Anandajit Goswami	Associate Professor & HoD, Economics	Chairman
2	Dr. Chavi Bhargava	Professor, Economics	Member
3	Dr. Durairaj Kumarsamy	Associate Professor, Economics	Member
4	Dr. Preeti Singh	Assistant Professor, Economics	Member
5	Dr. Priya Vij	Assistant Professor, Economics	Member
6	Dr. Swadhin K Mondal	Dept. of Economics & Finance, University of Nizwa, Oman	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	Associate Professor & Head Dept. of Social and Political Studies	Chairman
2	Dr. Chavi Bhargava Sharma	Professor, Dept. Psychology (Dean FBSS)	Member
3	Dr. Durairaj Kumarsamy	Associate Prof. & Head Dept. of Psychology	Member
4	Dr. Prashant Chaudhary	Assistant Professor Dept. of Social and Political Studies	Member
5	Dr. Bhavna Kataria	Assistant Professor Dept. of Social and Political Studies	Member
6	Dr. Nitya Nanda	Director Council for Social Dept., New Delhi	External Member
7	Dr. Saransh Sugandh	Film Maker, 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
Faculty of Architecture & Design	B. Arch	30		06	
	B. Design	30		08	
	B.Sc.- Interior Design	30		27	

#### 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: 2021-22

Name of students enrolled for higher education	Graduated from which Programme	Name of institution joined	Admitted to (Name of Programme)
Prachi Agarwal	B.Sc.- Interior design	Delhi College of Technology and Management	MBA
Sajal Verma	Bachelor of Architecture (B.Arch.)	Sushant University, Haryana	M.Arch

**b. Students benefited by career counseling and guidance for competitive Examinations: 2021-22**

Activity Description	No. of Participants
Role of good design changing lives and career in design	52

**c. FDPs attended by Faculty Members: 2021-22**

Name of Faculty member	Title of Event	Date From	Date To
Anika Singh	AICTE recognised STC on Climate change, Disaster Management and Sustainable Development through ICT	25-04-2022	29-04-2022
Arati Prakash Khare	AICTE recognised STC on Climate change, Disaster Management and Sustainable Development through ICT	25-04-2022	29-04-2022
Arati Prakash Khare	FDP on Project Based Learning International Perspective	04-04-2022	09-04-2022
Arati Prakash Khare	FDP on Graphics And Animation for Quality Instructional Material Development recognised by AICTE	20-06-2022	24-06-2022
Ashish Anand	AICTE recognised STC on Climate change, Disaster Management and Sustainable Development through ICT	25-04-2022	29-04-2022
Jyoti Chhabra	FDP on Research Tools & Techniques in Architecture and Planning	24-03-2022	28-03-2022
Jyoti Chhabra	AICTE recognised STC on Climate change, Disaster Management and Sustainable Development through ICT	25-04-2022	29-04-2022
Khushboo Zehra Naqvi	AICTE recognised STC on Climate change, Disaster Management and Sustainable Development through ICT	25-04-2022	29-04-2022
Khushboo Zehra Naqvi	FDP on Project Based Learning International Perspective	04-04-2022	09-04-2022



Pallavi Sharma	AICTE recognised STC on Climate change, Disaster Management and Sustainable Development through ICT	25-04-2022	29-04-2022
Shruti Jain	AICTE recognised STC on Climate change, Disaster Management and Sustainable Development through ICT	25-04-2022	29-04-2022
Shruti Jain	FDP on Graphics And Animation for Quality Instructional Material Development recognised by AICTE	20-06-2022	24-06-2022
Simran Vats	AICTE recognised STC on Climate change, Disaster Management and Sustainable Development through ICT	25-04-2022	29-04-2022
Simran Vats	FDP on Leadership for Academicians Programme (LEAP) recognised by AICTE	13-06-2022	17-06-2022
Smriti Saigal	Life Skills for Blissful Life	13-12-2021	17-12-2021
Smriti Saigal	AICTE recognised STC on Climate change, Disaster Management and Sustainable Development through ICT	25-04-2022	29-04-2022

#### d. Events organised: 2021-22

Title	From Date	To Date
STC on Graphics and Animation for Quality Instructional Material Development in collaboration with NITTTR Chandigarh	20-06-2022	24-06-2022

#### Board of Faculty

1	Col. Sanjeev Gupta	Professor & Dean	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	Mr. Deesh Jai Singh	Assistant Professor- deptt. of FAD	Member
6	Mr. Hitesh Kumar	Assistant Professor- deptt. of FAD	Member
	Dr. Neerja Lugani Sethi	Professor University school of Planning & Architecture	External Member

#### Board of Studies

1	MS. Shruti Jain	Associate Professor & HOD of FAD	Chairman
2	Dr. Arati Prakash Khare	Professor- Design deptt. of FAD	Member
3	Ms. Smriti Saigal	Assistant Professor- deptt. of FAD	Member
4	Ms. Pallavi Sharma	Assistant Professor- deptt. of FAD	Member
6	Dr. Neeraj Lugani Sethi	Professor University school of Planning & Architecture	External Member
7	Prof. Manoj Mathur	Professor school of Planning & Architecture	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	60
	MDS	15	15

##### Faculty Member Details:

#### FACULTY OF DENTAL SCIENCE (FDS)

Name of the Full-time teacher	Designation	Department
Arundeeep 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
Suvidh 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: 2021-22

Title of paper	Name of all the author/s	Student Authors	Journal/Conference/Book Title
Focal Fibrous Hyperplasia- A case report	Dr. Deepshikha Tyagi, Dr. Pooja Palwankar	Dr. Deepshikha Tyagi	International Journal of Research and Reports in Dentistry
Association of Obesity and Resistin Levels in Periodontal Diseases	Dr. Pooja Palwankar, Dr. Junam Nishi Barman, Dr. Nipun Dhalla	Dr. Junam Nishi Barman	International Journal of Research and Reports in Dentistry
To Determine Association between Socioeconomic status, Tobacco use and Periodontal Health- A Systematic Review	Dr. Pooja Palwankar, Dr. Tanya Anand, Dr. Ruchi Pandey	Dr. Tanya Anand	International Journal of Special Education
Salivary and Gingival crevicular fluid: Psychological stress biomarkers in Periodontal disease	Dr. Pooja Palwankar, Dr. Deepshikha Tyagi, Dr. Lipika Gopal	Dr. Deepshikha Tyagi	European Journal of Molecular & Clinical Medicine
Assessment of patient's satisfaction with fixed partial denture and its correlation with patient's evaluation of clinicians	Dr. Uswah Khan, Dr. Pankaj Dhawan, Dr. Piyush Tandan, Dr. Meena Jain	Dr. Uswah Khan	Annals of Romanian Society for Cell Biology
Prosthetic Status and Needs among Head and Neck Cancer Irradiated Patients Suffering from Xerostomia in Delhi, India	Dr. Sakshi Gupta, Dr. Pankaj Dhawan, Dr. Piyush Tandan, Dr. Meena Jain	Dr. Sakshi Gupta	Indian Journal of Forensic Medicine & Toxicology
Anesthetic efficacy of primary and supplemental buccal/lingual infiltration in patients with irreversible pulpitis in human mandibular molars: a systematic review and meta- analysis	Dr. Alpa Gupta, Dr. Aarushi Sahai, Dr. Vivek Aggarwal, Dr. Namrata Mehta, Dr. Dax Abraham, Dr. Sucheta Jala, Dr. Arundeeep Singh	Dr. Aarushi Sahai, Dr. Namrata Mehta	Journal of Dental Anesthesia and Pain Medicine
Comparison of healing assessments of periapical endodontic surgery using conventional radiography and cone-beam computed tomography: A systematic review	Dr. Garima Sharma, Dr. Dax Abraham, Dr. Alpa Gupta, Dr. Vivek Aggarwal, Dr. Namrata Mehta, Dr. Sucheta Jala, Dr. Parul Chauhan, Dr. Arundeeep Singh	Dr. Garima Sharma, Dr. Namrata Mehta	Imaging Science in Dentistry
Comparative evaluation of the force required to fracture coronal segments reattached using different methods	Dr. Deepti Sreen, Dr. Dax Abraham, Dr. Alpa Gupta, Dr. Arundeeep Singh, Dr. Vivek Aggarwal, Dr. Nishant Chauhan, Dr. Sucheta Jala, Dr. Namrata Mehta	Dr. Deepti Sreen, Dr. Namrata Mehta	Dental Traumatology

Anesthetic efficacy of supplemental intraligamentary injection in human mandibular teeth with irreversible pulpitis: a systematic review and meta analysis	Dr. Alpa Gupta, Dr. Jitesh Wadhwa, Dr. Vivek Aggarwal, Dr. Namrata Mehta, Dr. Da Abraham, Dr. Kritika Aneja, Dr. Arundeeep Singh	Dr. Kritika Aneja	Journal of Dental Anesthesia and Pain Medicine
Correlation of endodontic infection and cytokine expression in patients with systemic diseases : a Systematic review of clinical studies	Dr. Dax Abraham, Dr. Arudneep Singh, Dr. Ansy Hanna Kurian, Dr. Alpa Gupta, Dr. Kritika Aneja, Dr. Simar sethi	Dr. Ansy Hanna Kurian	Endodontology
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.	Dr. Pratima Mohana, Dr. Dax Abraham, Dr. Alka Gurawa, Dr. Alpa Gupta, Dr. parul Chauhan, Dr. Arundeeep Singh, Dr. Sucheta	Dr. Alka Gurawa	Endodontology
Influence of vehicle for calcium hydroxide on postoperative pain: a scoping review	Dr. Kritika Aneja, Dr. Alpa Gupta, Dr. Dax Abraham, dr. Vivek Aggarwal, Dr. Simar Sethi, Dr. Parul Chauhan, Dr. Arundeeep Singh, Dr. Ansy Hanna Kurian, Dr. Sucheta Jala	Dr. Kritika Aneja, Dr. Sima Sethi, Dr. Ansy Hanna Kurian	Journal of Dental Anesthesia and Pain Medicine
Comparative evaluation of clinical efficiency and patient acceptability toward the use of circumferential matrix and sectional matrix for restoration of Class II cavities in Primary Molars: An in vivo study	Dr. Hind P Bhatia, Dr. Shveta Sood, Dr. Naresh Sharma, Dr. Varshini Rajagopal	Dr. Varshini Rajagopal	International Journal of Clinical Pediatric Dentistry
Effectiveness of virtual reality glasses digital screens and verbal command as a method to distract young patients during administration of local anesthesia	Dr. Yogita Sharma, Dr. Hind Pal Bhatia, Dr. Naresh Sharma, Dr. Akshara Singh	Dr. Yogita Sharma	International Journal of Clinical Pediatric Dentistry
Dental Management of Pediatric Patients with Bronchial Asthma	Dr. Karishma Chhabra, Dr. Shveta Sood, Dr. Naresh Sharma, Dr. Akshara Singh, Dr. Sankalp Nigam	Dr. Sankalp Nigam	International Journal of Clinical Pediatric Dentistry



Attitude and Practices of Healthcare professionals and their family members toward Health Care Professionals dealing with Covid-19 patients In New Delhi, India	Dr. Shruti Chopra, Dr. Sabreen Gujral, Dr. Shveta Sood, Dr. Naresh Sharma, Dr. Akshara Singh	Dr. Shruti Chopra, Dr. Sabreen Gujral	Journal of Evolution of Medical and Dental Sciences
Aerodontalgia among Airline Pilots of India: A Cross sectional Survey	Dr. Sabreen Gujral, Dr. Shruti Chopra, Dr. Shveta Sood, Dr. Naresh Sharma, Dr. Akshara Singh	Dr. Shruti Chopra, Dr. Sabreen Gujral	Journal of Clinical and Diagnostic Research
Effects of Covid-19 on Dentistry	Yashika Pal, Urvashi Saini, Dr. Lipika Gopal	Yashika Pal, Urvashi Saini	Turkish Journal of Physiotherapy and Rehabilitation
Knowledge, attitude and practices of undergraduate students towards sleep habits	Dr. Anupama Vithalkumar Betigiri, Jasneek Singh, Shreya Bhatia, Ishika Chanra, Ishita Yadav, Shivya Narula	Jasneek Singh, Shreya Bhatia, Ishika Chanra, Ishita Yadav, Shivya Narula	Indian Journal of Health and Well being
Knowledge and Perception about Patient Empowerment and Telemedicine	Dr. Anupama Vithalkumar Betigiri, Kaja Sai Ragesvari, Manya Jain, Jigyasa Gupta, Juhi Singhla, Kadambari Harit	Kaja Sai Ragesvari, Manya Jain, Jigyasa Gupta, Juhi Singhla, Kadambari Harit	Indian Journal of Health and Well being
Knowledge, Attitude and Practice about Premenstrual Syndrome amongst the Females of Manav Rachna University	Dr. 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 Well being
Analyzing Cognition for COVID-19 Vaccine: A Survey on Undergraduate students of Manav Rachna University	Dr. Anjana Goyal, Dr. Reena Doomra, Anushka Choudhary, Anila Maria Varghese, Neha Atkaan, Chirag Kalha, Arjun Singh Verma, Ishu Gupta	Anushka Choudhary, Anila Maria Varghese, Neha Atkaan, Chirag Kalha, Arjun Singh Verma, Ishu Gupta	IAHRW International Journal of Social Sciences Review
Attitude, Social Presence, and Satisfaction of Dental Students towards E-Learning- A Cross-Sectional Study from Haryana, India	Shakila Mahesh, Dr. Savita Bansal, Kruthiventi Hemalata, Anila Maria Varghese	Kruthiventi Hemalata, Anila Maria Varghese	Journal of Evolution of Medical and Dental Sciences

Knowledge , Attitude and Perceptions towards COVID-19 Vaccines: A cross sectional study in Delhi NCR	Shakila Mahesh, Neeru Rani, Anushka Rajesh Choudhary, Ishika Chandra, Ankit Kumar	Neeru Rani, Anushka Rajesh Choudhary, Ishika Chandra, Ankit Kumar	Indian Journal of Health and Well being
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	Shakila Mahesh, Kadambari Harit, Kaja Sai Rajesvari, Manya Jain, Jigyasa Gupta, Juhi Singhla	Kadambari Harit, Kaja Sai Rajesvari, Manya Jain, Jigyasa Gupta, Juhi Singhla	Indian Journal of Health and Well being
The Untold Saga of Chromotherapy in Dentistry	DSV Sindhuja, Dr. Sumit Bhateja, Dr. Meenakshi Sharma, Geetika S. Arora	DSV Sindhuja, Geetika S. Arora	Journal of Family Medicine and Primary Care
Nutritional aspects of oral disorders- A review	Aastha Kaushik, Riya Tripathi, Shreya Asija, Ritika Tanwar, Abid Meraj, Dr. Sumit Bhateja	Aastha Kaushik, Riya Tripathi, Shreya Asija, Ritika Tanwar, Abid Meraj,	IP Journal of Nutrition, Metabolism and Health Science
The Unexplored Diagnostic Aid in the Indian Armed Forces- Forensic Odontology	Sakshi, Dr. Ashim Aggarwal	Sakshi	Academic Journal of Anthropological Studies
Time Dependent Oral Microflora Changes in Removable Partial Denture Wearers	Dr. Tanaya, Dr. Pankaj Dhawan, Dr. Piyush Tandan, Dr. Pankaj Madhukar, Shakila Mahesh, Dr. Meena Jain	Dr. Tanaya	Indian Journal of Public Health Research & Development
Prosthetic rehabilitation of Completely Edentulous Patients with Resorbed Mandibular Ridge: Case Series	Dr. Sakshi Gupta, Dr. Pankaj Dhawan, Dr. Shivam Singh Tomar, Dr. Divyesh Mehta	Dr. Sakshi Gupta	Journal of Prosthetic and Implant Dentistry
A Review on the Potential role of Lasers in Oral Medicine	Dr. Poonam Negi, Dr. Pushpa Kumari, Sahil Negi, Nitish Kumar Mahto, Dr. Sumit Bhateja	Dr. Poonam Negi, Dr. Pushpa Kumari, Sahil Negi, Nitish Kumar Mahto	IOSR Journal of Dental and Medical sciences
Oral and perioral piercings: Awareness and knowledge among undergraduate dental students in a private dental college, Haryana	Reshma RK, Dr. Sumit Bhateja, Dr. Tamanna Soni, Dr. Geetika Arora, Dr. Sheena T Arora, Dr. Vinita Charan	Reshma RK, Dr. Sumit Bhateja, Dr. Tamanna Soni, Dr. Geetika Arora, Dr. Sheena T Arora, Dr. Vinita Charan	International Dental Journal of Student's Research



Menstrual Hygiene: Practices and Challenges faced by female workers of Manav Rachna University	Dr. Anjana Goyal, Jigyasa Gupta, Anushka Choudhary, Kadambari Harit, K.S. Ragesvari, Ishu Gupta	Jigyasa Gupta, Anushka Choudhary, Kadambari Harit, K.S. Ragesvari, Ishu Gupta	Indian Journal of Positive Psychology
A Survey on Awareness towards the new Covid-19 Variants	Dr. Anjana Goyal, Dr. Reena Doomra, Natalia Thakran, Megha Monga, Rohit Raj, Saiyam Gupta	Natalia Thakran, Megha Monga, Rohit Raj, Saiyam Gupta	Indian Journal of Health and Well being
Awareness, attitude, and practice about basic life support among dental students	Dr. 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
The impact of SARS-CoV-2 on the sudden onset of Mucormycosis in the Indian subcontinent-A Review	Shakila Mahesh, Samridhi Srivastava, Sakshi, Riya Tripathi	Samridhi Srivastava, Sakshi, Riya Tripathi	Journal of Family Medicine and Primary Care
Does the current generation's smile esthetics hinge on social media and cosmetic makeover? A questionnaire-based study	Dr. Rohit Karkun, Dr. Puneet Batra	Dr. Rohit Karkun	Journal of Oral Medicine, Oral Surgery, Oral Pathology and Oral Radiology
Mandibular Muscles and how they influence Orthodontic Mechanics	Rohit Karkun, Aditya Talwar, Puneet Batra	Rohit Karkun	Dental Practice
Focal Fibrous Hyperplasia- A case report	Dr. Deepshikha Tyagi, Dr. Pooja Palwankar	Dr. Deepshikha Tyagi	International Journal of Research and Reports in Dentistry

**b. Student progression to higher education during the year:2021-22**

Name of students enrolled for higher education	Graduated from which programme	Name of institution joined	Admitted to (Name of Programme)
D S V Sindhuja	Bachelor of Dental Sciences	Sudha Rustagi Dental College, Haryana	MDS (Endo)
Ekta Vats	Bachelor of Dental Sciences	Institute of Clinical Research India (In Collaboration With Sushant University)	MBA

Nishtha Yadav	Bachelor of Dental Sciences	Sharda Dental College- Greater Noida	MDS (Ortho)
Reshma Rk	Bachelor of Dental Sciences	University Of Greenwich, London	MSc.

**c. Students benefited by career counseling and guidance for competitive Examinations: 2021-22**

Activity Description	No. of Participants
CEDEES Program for exam preparation & career counseling	21

**d. Faculty members: Awards & Recognitions: 2021-22**

Name of Faculty Member	Awards/Recognition
Arundeeep Singh	Recognition as Incharge-Representative to CDE, Indian Dental Association, West Delhi Branch. 27-06-2021
Lipika Gopal	Letter of Recognition- Evaluation of Student Project Scheme (01-1-2021)
Manish Bhargava	World Clinical Laser Institute Associate fellowship (22-10-2021)
Sucheta Jala	World Clinical Laser Institute Associate fellowship (22-10-2021)
Pankaj Dhawan	World Clinical Laser Institute Associate fellowship (22-10-2021)
Anchal Varshney	Letter of Recognition- Evaluation of Student Project Scheme (01-12-2021)
Anchal Varshney	Emerging Scientist Award; International Conference for Award Winners on Engineering, Science and Medicine held on 12-11-2021
Shivani Aggarwal	Letter of Recognition for Evaluation of Student Project Scheme (01-12-2021)
Shveta Sood	Letter of Recognition for Evaluation of Student Project Scheme (01-12-2021)
Ashim Aggarwal	Letter of Recognition for Evaluation of Student Project Scheme (01-12-2021)
Ashim Aggarwal	Recognition as Invited Session Chair for scientific session at 24th Mid-Term Conference and 10th PG Convention of AOMSI (30-07-2021 to 01-08-2021)
Nipun Dhallia	Letter of recognition for Evaluation of Student Project Scheme (01-12-2021)
Piyush Tandan	Recognition as Invited Session Chair for scientific session at 23rd IPS PG Convention Jaipur (02-07-2021 to 04-07-2021)
Shivam Singh Tomar	Recognition as Invited Session Chair for scientific session at 23rd IPS PG Convention Jaipur (02-07-2021 to 04-07-2021)
Sumit Bhateja	Best Author & Young Researcher Award for journal titled: Journal of Oral Medicine, Oral Surgery, Oral Pathology and Oral Radiology(19-03-2022)
Sumit Bhateja	Peer Reviewer Award(11-03-2022 to 12-03-2022)
Sumit Bhateja	Invited Editor for the journal "Frontiers in Oral Health & Nutrition" (20-05-2022)
Sumit Bhateja	Award for Excellence in Reviewing (04-05-2022)



Sumit Bhateja	Invited Editorial Team Member for Indian Journal of Contemporary Dentistry (16-08-2022)
Meena Jain	Recognition as invited guest speaker for the World Dentistry Conference(WDC-2022)(27-04-2022 to 28-04-2022)
Meena Jain	Peer Reviewer for Pubmed indexed International Journal (18-05-2022)
Meena Jain	Peer Reviewer for Pubmed indexed International Journal (24-03-2022)
Meena Jain	Peer Reviewer for Pubmed indexed International Journal (10-05-2022)
Meena Jain	Peer Reviewer for Pubmed indexed International Journal (24-02-2022)
Meena Jain	Peer Reviewer for International Journals of Springer Nature(20-01-2022)
Harsimran Kaur	Recognition as invited guest speaker on the topic :Predictable Implant Placement: Your Guide To Guides For Implant Surgery (24-2-2022 to 26-02-2022)
Harsimran Kaur	Recognition as invited guest speaker (Prosthodontic Master Course) 28-03-2022 to 02-04-2022
Harsimran Kaur	Recognition as a mentor for Pre-Convention course (04-03-2022)
Harsimran Kaur	Recognition as Chairperson at scientific session at 24th IPS Dharwad convention(04-03-2022 to 06-03-2022)
Harsimran Kaur	Recognition as invited guest speaker on the topic: Revisiting the Art and Science of Complete Denture Prosthodontics (31-05-2022)
Manish Bhargava	Chaired a session in Foundation day of Forensic Odontology Unit and 4th International Conference of Forensic Odontology & Child Abuse in association with IAMLE(28-03-2022 to 31-03-2022)
Manish Bhargava	Recognition as invited Judge of Scientific session in IOAMP National 3D Virtual Convention held for postgraduates (11-08-2021 to 12-08-2021)
Shakila Mahesh	Recognition as invited speaker in National Webinar on Recent Advances in Prevention and Control of Hepatitis B & C (28-02-2022)
Pooja Palwankar	Award for Excellence in Reviewing: Journal of Pharmaceutical Research International (26-04-2022)
Dax Abraham	Certificate of appreciation for delivering guest lecture(04-03-2022)

#### e. FDPs attended by Faculty Members:2021-22

Name of the Faculty member	Title of the event	Date From	Date To
Abhinav Kumar Sharma	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Abhita Malhotra	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Abhita Malhotra	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Aditya Talwar	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Aishvarya Kaushik	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022

Akanksha Monga	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Akanksha Monga	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Akanksha Shukla	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Akshara	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Akshara	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Alpa Gupta	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Alpa Gupta	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Alpana Goel Kesar	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Alpana Goel Kesar	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Amit Mohan	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Anchal Varshney	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Anchal Varshney	FDP on Advanced Research Methodology	21-03-2022	27-03-2022
Anchal Varshney	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Anjana Goyal	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Anjana Goyal	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Anupama V. Betigeri	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Anupama V. Betigeri	Online Certification Course Niecer 102 Ethics Review of Health Research	01-03-2022	01-05-2022
Anupama V. Betigeri	Basic Course in Biomedical Research(ICMR)	01-12-2021	01-04-2022
Anupama V. Betigeri	Two Weeks International Workshop on Research Methodology,Academic Writing and Publishing	15-02-2022	26-02-2022
Anupama V. Betigeri	FDP on Outlook for research Writing and Publication Process	13-12-2021	18-12-2021



Anupama V. Betigeri	FDP on Leadership Mastery through Self Management	27-12-2021	31-12-2021
Anupama V. Betigeri	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Arundeeep Singh	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Arundeeep Singh	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Ashim Aggarwal	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Ashim Aggarwal	International E-Conclave on Tobacco Cessation by ICanCare	04-07-2021	25-07-2021
Ashim Aggarwal	One Week Online International Workshop on Statistical Data Analysis using SPSS	21-05-2022	27-05-2022
Ashim Aggarwal	Online Course Introduction to Systematic Reviews for Dental Health Professionals	01-02-2022	30-04-2022
Ashim Aggarwal	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Ashish Kumar Singh	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Ashish Kumar Singh	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Dax Abraham	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Dax Abraham	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Divyesh Mehta	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Divyesh Mehta	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Garima	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Harsimran Kaur	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Harsimran Kaur	Online Certification Course Basic Course in Biomedical Research	01-02-2022	30-04-2022
Harsimran Kaur	Online Course Introduction to Systematic Reviews for Dental Health professionals	01-02-2022	30-04-2022
Harsimran kaur	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022

Hitesh	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Hitesh	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Jaiprinkaur Sethi	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Jitesh Wadhwa	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Karishma Chhabra	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Karunik Gupta	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Kumar Rakshak Anand	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Kumar Rakshak Anand	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Lipika Gopal	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Lipika Gopal	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
M.Y. Shareef	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
M.Y. Shareef	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Madhulika Srivastava	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Manish Bhargava	Virtual FDP on "Outlook Over Research writing and Publication Process" organised by Faculty of Allied sciences, MRIIRS	13-12-2021	18-12-2021
Manish Bhargava	WCLI laser course at MRCDE Module 1	31-08-2021	22-10-2021
Manish Bhargava	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Manju Singh	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Mansi Nautiyal	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Mansi Nautiyal	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022



Meena Jain	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Meena Jain	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Naresh Sharma	FDP on Outlook over Research Writing and Publication Process	13-12-2021	8-12-2021
Naresh Sharma	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Nipun Dhalla	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Nipun Dhalla	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Nisha yadav	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Nisha Yadav	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Nishant chauhan	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Nitin Arora	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Nitin Arora	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Ojasvi Nijhawan	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Pankaj Dhawan	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Pankaj Dhawan	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Piyush Tandan	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Piyush Tandan	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Pooja Palwankar	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Pooja Palwankar	Online Certification Course on Ethics review of Health Research(NIE-ICMR e-Certificate Course:NIECer102)	01-10-2021	01-01-2022
Pooja Palwankar	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Prashant Sharma	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022

Pratul Priyadarshini	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Puneet Batra	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Puneet Batra	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Puneet Mohan Khari	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Puneet Mohan Khari	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Ravjot Ahuja	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Reena Doomra	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Reena Doomra	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Reena Roy Rassawet	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Roomani Srivastava	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Ruchi Pandey	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Ruchi Pandey	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Savita Bansal	NPTTEL course on Basic Course in Biomedical Research	01-03-2021	30-06-2021
Savita Bansal	FDP on Leadership Mastery Through Self Management	27-12-2021	31-12-2021
Savita Bansal	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Savita Bansal	Online Certification Course on NIE: Cer103 Scientific Writing in Health Research	01-01-2022	01-03-2022
Savita Bansal	Online Certification Course Niecer 102 Ethics Review of Health Research	01-10-2021	01-01-2022
Savita Bansal	Two Week International Workshop Research Methodology, Academic Writing and Publishing	15-02-2022	26-02-2022
Savita Bansal	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Seema Hasna Bukhari	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022



Shakila Mahesh	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Shakila Mahesh	Online Certification Course on NIE: Cer103 Scientific Writing in Health Research	01-01-2022	01-03-2022
Shakila Mahesh	Online Certification Course NIE: Cer 102 Ethics Review of Health Research	01-03-2022	01-05-2022
Shakila Mahesh	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Sheena	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Shetal Gupta	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Shivam Singh Tomar	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Shivam Singh Tomar	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Shivani Aggarwal	International E-Conclave on Tobacco Cessation by ICanCare	04-07-2021	25-07-2021
Shivani Aggarwal	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Shivani Aggarwal	Orientation course on Tobacco Cessation by ICanCare and Gujarat University	19-06-2021	08-08-2021
Shivani Aggarwal	Online Certification Course Introduction to Systematic Reviews for Dental Health Professionals	01-02-2022	30-04-2022
Shivani Aggarwal	One Week Online International Workshop on Statistical Data Analysis using SPSS	21-05-2022	27-05-2022
Shivani Aggarwal	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Shrey kundra	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Shruti Saini	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Shveta Sood	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Shveta Sood	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Sucheta Jala	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Sucheta Jala	WCLI laser course at MRCDE Module 1	31-08-2021	22-10-2021

Sucheta Jala	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Sumit Bhateja	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Sumit Bhateja	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Surbhi Malhotra	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Suruchi Pujara	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Sushen Sharma	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Suvidh Virmani	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Swati Sanghi	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Tamanna Soni	FDP on Outlook over Research Writing and Publication Process	13-12-2021	18-12-2021
Tamanna Soni	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Tannu Goyal	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Tushar kohli	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Uswah khan	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Varsha jain	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Vidushi Saxena	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Vikas swami	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Vishal Jain	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022
Yatin Bajaj	Five days Workshop on Research Methodology titled Overview of Thesis Process-From Inception to Completion	07-02-2022	11-02-2022



**f. Events Organised: 2021-22**

Title of events	From date	To date
CDE Workshop on - Restoration of mutilated teeth: Professional Development Program for teaching staff	03-09-2021	03-09-2021
WCLI laser course at MRCDE Module 2-Professional Development Program for teaching staff	20-10-2021	22-10-2021
Workshop on Get It Right the first Time with Magnification in Endodontics-Professional Development Program for teaching staff	25-10-2021	27-10-2021
Symposium on Orthodontics: OrthoRachna 2K21-Professional Development Program for teaching staff	29-11-2021	29-11-2021
Research Methodology Workshop on Overview of Thesis Process from Inception to Completion in collaboration with SRM Dental College	07-02-2022	11-02-2022

**g. Faculty Research Papers: 2021-22**

Title of paper	Name of the author/s	Name of journal	Year of publication
A comparative evaluation of presurgical infant orthopedics of modified Grayson's technique with clear aligners incorporating a nasal elevator in patients with unilateral cleft lip and palate	Puneet Batra	American Journal of Orthodontics & Dentofacial Orthopedics	2021-22
A New Frame For Orienting Infants With Cleft Lip And Palate During 3-Dimensional Facial Scanning	Alisha K, Batra P, Raghavan S, Sharma K, Talwar A.	Cleft Palate-Craniofacial Journal	2021-22
An Assessment Of Oral Health Status Among Lead Battery Factory Workers In Ghaziabad Up A Cross Sectional Study.	Monga A, Thnveer K, Gupta B, Aggarwal A, Yadav N, Jain M, Sharma A.	Indian Journal of Forensic Medicine and Toxicology	2021-22
Analysis Of Growth Potential Of Odontogenic Keratocyst Using Ki-67 A Systematic Review.	Varshney A, Aggarwal S	Turkish Journal of Physiotherapy & Rehabilitation	2021-22
Anesthetic Efficacy Of Primary And Supplemental Buccal/Lingual Infiltration In Patients With Irreversible Pulpitis In Human Mandibular Molars A Systematic Review And Meta-Analysis	Alpa Gupta, Dax Abraham, Sucheta Jala, and Arundeeep Singh	Journal of Dental Anesthesia and Pain Medicine	2021-22
Anesthetic Efficacy of Supplemental intra- ligamentary injection in irreversible pulpitis: A Systematic Review and meta analysis on human mandibular teeth	Alpa Gupta	Journal of Dental Anesthesia and Pain Medicine	2021-22
Anesthetic Efficacy of Supplemental intra- ligamentary injection in irreversible pulpitis: A Systematic Review and meta analysis on human mandibular teeth	Arundeeep Singh	Journal of Dental Anesthesia and Pain Medicine	2021-22

Anesthetic Efficacy of Supplemental intra- ligamentary injection in irreversible pulpitis: A Systematic Review and meta analysis on human mandibular teeth	Dax Abraham	Journal of Dental Anesthesia and Pain Medicine	2021-22
Artificial Intelligence In Dentistry A Milestone	Dsv Sindhuja, Gaurvi Vikram Kamra, Ankur Sharma	Indian Journal of Applied Research	2021-22
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	2021-22
Assessment Of Patients' Satisfaction With Fixed Partial Denture And Its Correlation With Patients' Evaluation Of Clinicians.	Khan U, Dhawan P, Tandan P, Jain M	Annals of the Romanian Society for Cell Biology	2021-22
Assessment Of Salivary Thiocyanate Levels And Ph In The Saliva Of Smokers And Nonsmokers With Chronic Periodontitis – A Comparative Study.	Kumar CN, Rao SM, Jethlia A, Linganna CS, Bhargava M, Palve DH	Indian Journal of Dental Research	2021-22
Association Of IL-1B Gene Polymorphism With Periodontitis In Indian Population A Systemic Review	Pandey R, Bhateja S	Turkish Journal of Physiotherapy & Rehabilitation	2021-22
Association of Obesity and Resistin levels in Periodontal disease	Pooja Palwankar	International Journal of Research and Reports in Dentistry	2021-22
Association of Obesity and Resistin levels in Periodontal disease	Nipun Dhalla	International Journal of Research and Reports in Dentistry	2021-22
Attitude, Social Presence, And Satisfaction Of Dental Students Toward E-Learning - A Cross-Sectional Study From Haryana, India	Shakila Mahesh, Savita Bansal, Kruthiventi Hemalata, Anila Maria Varghese	Journal of evolution of medical and Dental sciences	2021-22
Awareness, attitude and practice about basic life support among dental students	Savita Bansal, Jigyasa Gupta, Juhi singhla, Harit, Kadambari, Ragesvari, Kajasal, Manya Jain	Journal of the scientific society	2021-22
Beam Of Light - An Asset To Dentistry	Gopal L, Aggarwal A	Vidyabharati International Interdisciplinary Research Journal	2021-22
Bone Graft And Materials In Dentistry	Dhalla N, Aggarwal A	Turkish Journal of Physiotherapy & Rehabilitation	2021-22
Comparative evaluation of fracture resistance of reattached tooth fragment using biological dentin post with fiberreinforced composite post- A pilot study	Kurian AH, Gupta A, Abraham D, Singh A, Chauhan P, Jala S	Endodontology	2021-22



Comparative Evaluation Of Salivary Biomarker Levels In E-Cigarette Smokers And Conventional Smokers.	Verma A, Anand K, Bhargava M, Kolluri A, Kumar M, Palve DH.	Journal of Pharmacy and Bioallied Sciences	2021-22
Comparative Evaluation Of The Force Required To Fracture Coronal Segments Reattached Using Different Methods	Dax Abraham,AlpaGupta,ArundeepSingh,Nishant Chauhan, Sucheta Jala	Dental Traumatology	2021-22
Comparison between orthodontist, general dentist and layperson in the perception of pink esthetics on smile: A cross-sectional study	Nitin Arora	APOS Trends in Orthodontics	2021-22
Comparison between orthodontist, general dentist and layperson in the perception of pink esthetics on smile: A cross-sectional study	Ashish Kumar Singh	APOS Trends in Orthodontics	2021-22
Comparison between orthodontist, general dentist and layperson in the perception of pink esthetics on smile: A cross-sectional study	Abhita Malhotra	APOS Trends in Orthodontics	2021-22
Comparison Of Healing Assessments Of Periapical Endodontic Surgery Using Conventional Radiography And Cone-Beam Computed Tomography A Systematic Review	Dax Abraham,AlpaGupta,Sucheta Jala, Parul Chauhan, and Arundeep Singh	Imaging Science in Dentistry	2021-22
COVID-19 Vaccines: A Review of Common Vaccine Types Globally	Nupur Kalra, Harshita Bharti, Dia Ghoshal, Roomani Srivastava, Meena Jain	EC DENTAL SCIENCE	2021-22
Diabetes And Periodontitis – A Socioeconomic Disease?	Palwankar P, Tandon S, Blaggana V, Palwankar D, Sachdeva A	Journal of Evolution of Medical and dental Sciences	2021-22
Effect of calcium hydroxide on fracture resistance and microhardness of dentin in human teeth A systematic review	Sethi S, Abraham D, Singh A, Gupta A	Endodontology	2021-22
Effect of Calcium hydroxide vehicle on postoperativepain a scoping review	Aneja K , Gupta A, Abraham D, Singh A, Chauhan P, Jala S	Endodontology	2021-22
Effects Of Covid-19 In Dentistry	Pal Y, Saini U, Gopal L	Turkish Journal of Physiotherapy & Rehabilitation	2021-22
Endodontic management of 3 rooted maxillary first premolar	Sharma G, Abraham D, Gupta A, Singh A, Chauhan P, Jala S	Endodontology	2021-22
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, Meena Jain	Reviews on Environmental Health	2021-22

Extrafollicular adenomatoid odontogenic tumor: An infrequent case report	Jaishree Sharma, Anchal Varshney, Archana Bharti Raina, Disha Chopra	Indian Journal of Pathology and Microbiology	2021-22
Fibrous Focal Hyperplasia : A case Report	Pooja Palwankar	International Journal of Research and Reports in Dentistry	2021-22
Happiness, A Function Of Emotional Intelligence: An Analysis Among Dental Students Of Faridabad	Meena Jain, Roomani Srivastava	Journal of Positive School Psychology	2021-22
Hyperbaric Oxygen Therapy And Its Suitability As An Adjuvant For Treatment Of Covid-19 Patients A Review	Dawar S, Jain M	International Journal of Research in Pharmaceutical Sciences	2021-22
IgA levels among type II diabetic and non-diabetic patients with periodontitis: A prospective Clinical study	Pooja Palwankar, Saumya Jain, Ruchi Pandey, Shakila Mahesh	European journal of dentistry	2021-22
Immunohistochemical evaluation of E-cadherin in oral epithelial dysplasia and squamous cell carcinoma	Shivani Aggarwal	Indian Journal of Pathology & Microbiology	2021-22
Immunohistochemical evaluation of E-cadherin in oral epithelial dysplasia and squamous cell carcinoma	Manish Bhargava	Indian Journal of Pathology & Microbiology	2021-22
Immunohistochemical evaluation of E-cadherin in oral epithelial dysplasia and squamous cell carcinoma	Anchal Varshney	Indian Journal of Pathology & Microbiology	2021-22
Immunohistochemical evaluation of E-cadherin in oral epithelial dysplasia and squamous cell carcinoma	Ashim Aggarwal	Indian Journal of Pathology & Microbiology	2021-22
Influence of vehicle for calcium hydroxide on postoperative pain: a scoping review	Arundeeep Singh	Journal of Dental Anesthesia and Pain Medicine	2021-22
Influence of vehicle for calcium hydroxide on postoperative pain: a scoping review	Dax Abraham	Journal of Dental Anesthesia and Pain Medicine	2021-22
Influence of vehicle for calcium hydroxide on postoperative pain: a scoping review	Alpa Gupta	Journal of Dental Anesthesia and Pain Medicine	2021-22
Influence of vehicle for calcium hydroxide on postoperative pain: a scoping review	Sucheta Jala	Journal of Dental Anesthesia and Pain Medicine	2021-22
Knowledge and Perception about Patient Empowerment and Telemedicine	Anupama Vithalkumar Betigeri, Kaja Sai Ragesvari, Manya Jain, Jigyasa Gupta, Juhi Singhla, and Kadambari Harit	Indian Journal of Health and Well being	2021-22



Ligaplasts A New Era In Dental Engineering.	Gopal L, Varshney A, Aggarwal A, Aggarwal S	Bioscience Biotechnology Research Communications	2021-22
Management of dental trauma by school teachers of private and government schools in Lucknow city	Madhulika Srivastava	International Journal of Health Sciences	2021-22
Medical Profession in the 21st Century. Is it Still Alluring??	Savita Bansal	Journal of the scientific Society	2021-22
Nutritional aspects of Oral disorders	Sumit Bhateja	IP Journal of Nutrition, Metabolism and Health Sciences	2021-22
Oral And Perioral Piercings Awareness And Knowledge Among Undergraduate Dental Students In A Private Dental College, Haryana	Reshma RK, Bhateja S, Soni T, Arora G, Arora S	International Dental Journal of student's research	2021-22
Oral Health Status Of 3-5 Years Old Anganwadi Children In Faridabad District, India	Meena Jain	International Journal of Early Childhood Special Education	2021-22
Parents' Perspectives On The Impact Of Dental Caries On Oral Health-Related Quality Of Life In Preschool Children	Tandon S, Chopra D, Aggarwal A, Aggarwal S	Journal of Cardiovascular Disease Research	2021-22
Periodontal Health Of The Geriatric Population In Old-Age Homes Of Delhi, India.	. Yadav NR., Jain M, Sharma A, Jain V, Singh S., Singh A., Reddy VK., Tandon S.	Journal of Indian Society of Periodontology	2021-22
Post-Covid-19 Orthodontics Are We Staring At Stratification Or Collaboration Amongst Professionals?	Batra, P	Journal of Indian Orthodontic Society	2021-22
Prosthetic Status And Needs Among Head And Neck Cancer Irradiated Patients Suffering From Xerostomia In Delhi, India	. Gupta S, Dhawan P, Tandan P, Jain M	Indian Journal of Forensic Medicine and Toxicology.	2021-22
Randomised Controlled Trial To Compare The Efficacy Of Scalpel, Laser And Cryotherapy (Tetrafluoroethane) Techniques In Depigmentation Of Gingiva	Sharma R, Pandey R, Palwankar P	Turkish Journal of Physiotherapy & Rehabilitation	2021-22
Redefining Prosthodontics With 3D Printing	Chetna Grover, Pankaj Dhawan, Shivam Singh Tomar	International Journal of Advanced Research	2021-22
Reducing The Burden Of Orthodontic Care For Children With Clefts Evaluating The Effectiveness Of Pre-Alveolar Bone Graft Orthodontics In Unilateral Non-Syndromic Cleft Patients (Pabo Study)— A Study Protocol For A Multicentric Randomised Controlled Trial	Thiruvengkatachari, B., Hussain, S.A., Batra, P., Vijayakumar, C., Prathap .C	Trials	2021-22

Regenerative Aspects In Prosthodontics	Nikita Karabale, Pankaj Dhawan, Divyesh Mehta	JOURNAL OF PROSTHODONTICS DENTISTRY	2021-22
Rise And Exacerbation Of Oral Lichen Planus In The Background Of Sars-Cov-2 Infection	Sood A, Raghavan S, Batra P, Sharma K, Talwar A	Medical Hypotheses	2021-22
Role and significance of ghrelin and leptin in hunger, satiety, and energy homeostasis	Savita Bansal	Journal of the scientific Society	2021-22
Salivary And Gingival Crevicular Fluid Psychological Stress Biomarkers In Periodontal Disease	Palwankar P, Tyagi D, Gopal L	European Journal of molecular and clinical medicine	2021-22
Should We Mind The Knowledge And Skill Gap Covid-19 Has Created?	Batra, P	Journal of Indian Orthodontic Society	2021-22
Smoking among professional college students : consumption and risk factors	Dr Sumit Bhateja	Journal of Preventive Medicine and Holistic health	2021-22
The correlation of Ki-67 (MIB-1) proliferation index and progesterone receptor status with histological grade of meningioma An observational study.	Laxmi Aheer, A R Kaila , Savita Bansal , Pawan Kumar , Kishore Khatri.	International Journal of Health and Clinical Research	2021-22
The Impact of Oral Health on the Quality of Life of Patients with Head and Neck Cancer Who Receive Treatment at a Cancer Hospital	Sarbani Deb Sikdar , Shilpa Jain , Shivani Aggarwal , Ashim Aggarwal , Kriti Sao , Animesh Barodiya	NEUROQUANTOLOGY	2021-22
The untold Saga of chromotherapy in Dentistry	Sumit Bhateja	Journal of Family Medicine and Primary Care	2021-22
To determine association between socioeconomic status, tobacco use and Periodontal health	Pooja Palwankar	International Journal of Special Education	2021-22
Validation Of Pefloxacin For Detection Of Fluoroquinolone (Fq) Resistance Among Salmonella Typhi With Special Reference To GyrB Mutations	Shakila, Shobha Broor1, G Ruchi Gupta, Priti Agarwal, Subhradeep Majumder, Anupam Kumar Anveshi and Rajni Gaiind2	Journal of Medical Microbiology	2021-22



#### h. Books Chapters: 2021-22

Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference /
Akshara Singh	Diabetes Mellitus in Children-an uncontrolled Chaos	NA	NA
Divyesh Mehta	Full Mouth Rehabilitation	NA	NA
Naresh Sharma	Obstructive Sleep Apnoea in Children	NA	NA
Naresh Sharma	Detection and Diagnosis of Dental Caries	NA	NA
Naresh Sharma	Diabetes Mellitus in Children-an uncontrolled Chaos	NA	NA
Nipun Dhallia	Medical Emergencies and management in Dental office: Medical emergencies	NA	NA
Piyush Tandan	Adhesives in Dentistry	NA	NA
Pooja Palwankar	Medical Emergencies and management in Dental office: Medical emergencies	NA	NA
Shivam Singh	Full Mouth Rehabilitation	NA	NA
Shveta Sood	Management of pulpally involved young permanent teeth	NA	NA
Shveta Sood	Detection and Diagnosis of Dental Caries	NA	NA
Shveta Sood	Pediatric Epilepsy and Seizures-is there hope?	NA	NA
Shveta Sood	Obstructive Sleep Apnoea in Children	NA	NA

Tamanna Soni	Evaluation of Temporomandibular Joint in health and diseases	NA	NA
Pooja Palwankar	Stress and periodontal disease	NA	NA
Pooja Palwankar	Obesity and Periodontal Disease	NA	NA
Pooja Palwankar	Epigenetics and Periodontal disease	NA	NA
Ruchi pandey	Epigenetics and Periodontal disease	NA	NA
Nipun Dhalla	Obesity and Periodontal Disease	NA	NA
Lipika Gopal	Stress and periodontal disease	NA	NA
Nitin Arora, Ashish Singh	Light curing units in Dentistry	NA	NA
Nitin Arora, Ashish Singh	Extra alveolar TADS- IZC, MBS Screws	NA	NA
Nitin Arora, Ashish Singh	Digital Orthodontics	NA	NA
Ashish Kumar Singh	Light curing units in Dentistry	NA	NA
Ashish Kumar Singh	Extra alveolar TADS- IZC, MBS Screws	NA	NA
Ashish Kumar Singh	Digital Orthodontics	NA	NA



Sumit Bhateja	NA	SA's & 5R's of Tobacco cessation	National Conference on Tobacco Control: healthcare & Beyond
Pooja Palwankar	Stress and periodontal disease	NA	NA
Pooja Palwankar	Obesity and Periodontal Disease	NA	NA
Pooja Palwankar	Epigenetics and Periodontal disease	NA	NA
Ruchi pandey	Epigenetics and Periodontal disease	NA	NA
Nipun Dhalla	Obesity and Periodontal Disease	NA	NA
Lipika Gopal	Stress and periodontal disease	NA	NA
Nitin Arora, Ashish Singh	Light curing units in Dentistry	NA	NA
Nitin Arora, Puneet Batra	Extra alveolar TADS- IZC, MBS Screws	NA	NA
Nitin Arora, Ashish Singh	Digital Orthodontics	NA	NA
Ashish Kumar Singh	Light curing units in Dentistry	NA	NA
Ashish Kumar Singh	Extra alveolar TADS- IZC, MBS Screws	NA	NA
Ashish Kumar Singh	Digital Orthodontics	NA	NA

### Board of Faculty-FDS

1	Dr. Arundeeep Singh	Professor & Dean, 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	External Member
27	Dr. Abhishek Mehta	Professor & Head, Dept. of Public Health Dentistry	External Member



### Board of Studies

1	Dr. Ashim Aggarwal	Vice Principal, FDS.	Chairperson
2	Dr. Arundeeep Singh	Principal, FDS	Member
3	Dr. Dax Abraham	Professor&Head,Dept. of Conservative Dentistry	Member
4	Dr. Shivani Aggarwal	Professor&Head,Dept. of Oral Pathology	Member
5	Dr. Pooja Palwankar	Professor & Head ,Dept. of Periodontology	Member
6	Dr. ShvetaSood	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. SumitBhateja	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. KumarRakshak 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.SheenaThamman	Senior Lecturer ,Dept of Oral Medicine	Member
24	Dr.Akanksha Monga	Senior Lecturer ,Dept of Public Health Dentistry	Member
25	Dr.Neeraaj Grover	Professor & Head ,Dept. of Oral Pathology, Santosh Dental College, Ghaziabad	External Member
26	Dr.Anuradha Sharma	Professor & Head ,Dept. of Microbiology	External Member

Manav Rachna Dental College, Faculty of Dental Sciences, MRIIRS with a 16 year legacy behind it, ranks among the top 24 Dental Colleges of 2022 as ranked by Outlook. With student oriented curriculum abreast with the changing times with respect to Dentistry in India, MRDC is taking Dental Education to newer heights each passing year.

Dental Education is at the cusp of transformation in India and Manav Rachna Dental College is playing its part in it by introducing Innovation in its teaching methods and outcomes. A special focus in the institute on research, innovation, enhanced clinical skills along with public service, sets it apart.

In this report, we would like to mark our positions of achievement in academic excellence, social and community healthcare, research and development and at the end, followed by our impact.

### **Academic Excellence:**

To maintain academic excellence, MRDC focuses on several key aspects:

1. **Curriculum:** The College follows a comprehensive curriculum that integrates theoretical knowledge with practical clinical experience. The curriculum is designed to provide students with a strong foundation in dentistry and prepare them for professional practice.
2. **Qualified Faculty:** MRDC has a team of experienced and qualified faculty members who are experts in their respective fields. They guide and mentor students, ensuring that they receive quality education and stay updated with the latest advancements in dentistry.
3. **Infrastructure and Facilities:** The College is equipped with state-of-the-art infrastructure and modern dental facilities. It has well-equipped laboratories, clinical training facilities, libraries, and lecture halls, providing students with a conducive learning environment.
4. **Student tagging:** Is done wherein all the clinical departments include 3<sup>rd</sup> year, 4<sup>th</sup> year BDS and Interns to tag along the post graduate students in clinical cases which helps the senior to reinforce their own learning by instructing others and the junior feels more comfortable and open allowing better understanding.



4<sup>th</sup> BDS students assisting the Postgraduate student working on a patient in Dept of Pedodontics on 23<sup>rd</sup> February 2022





Peer Guided Learning where the postgraduate student performs a procedure with students of 3<sup>rd</sup> BDS observing during the Clinical Posting in Dept on 27<sup>th</sup> June 2022

**5. Scientific Presentations:** Conferences offer a myriad of opportunities to a young researcher where they contribute to and also learn about the most recent advances in their field. Undergraduate and postgraduate students participated in various national and international conferences in online and offline mode, where some of them also won the awards for best paper and poster presentations in the scientific sessions. A total of 58 undergraduates and 50 postgraduates presenting scientific papers and posters based on their topic of interest out of which 6 postgraduate and 20 undergraduate students won the awards for best paper and poster presentations in the scientific sessions.



**Scientific Presentations at PEDOPULSE- 18th ISPPD NATIONAL PG CONVENTION, Lucknow on 7-9th April 2022, by the post graduate students from the Dept. of Pedodontics.**





**Scientific presentation by 3rd year BDS students at World No Tobacco Day National Conference on 26th - 27th May 2022 conducted by the Dept. of Public Health Dentistry**

**6. Research and Publications:** MRDC encourages research activities among students and faculty members. Engaging in research projects helps students gain a deeper understanding of dental sciences and contributes to the advancement of knowledge in the field. The college also supports and promotes the publication of research findings in reputed journals.

**7. Clinical Exposure and Internship:** MRDC provides ample clinical exposure to its students through tie-ups with various hospitals and dental clinics. This exposure allows students to gain practical experience and develop clinical skills under the supervision of experienced professionals. Additionally, students undergo a mandatory internship period, where they work in different clinical settings to enhance their clinical competence.



**Students working on patient in clinics during posting in Dept of Periodontology**



**Students working on Patients in clinics during posting in Dept. of Oral Medicine and Radiology**



Faridabad, Haryana, India

Longitude: Latitude: 76.50°E 28.45°N

33° C

Friday, 23 Aug 2020 11:13 AM

[illegible]

237

**ILBS (dtb) University National Webinar on**  
**Prevention & Control of Hepatitis B & C**  
jointly organized by  
Manav Rachna Dental College, FDS, MRIIR

**THE EMPATHY CAMPAIGN**  
*Empowering People Against*

- After treatment, these items and all disposable covers should be bagged, labeled, and disposed of, following proper guidelines for bio-hazardous waste.
- Minimize aerosol production by not using ultrasonic instrumentation, air syringe, or high-speed handpieces.
- Pre-rinsing with chlorhexidine gluconate for 30 s is highly recommended.

**ILBS (dtb) University Webinar on**  
**"Recent Advances in Prevention & Control of Hepatitis B & C"**  
jointly organized by  
Department of Periodontology  
Manav Rachna Dental College, FDS, MRIIRS

**THE EMPATHY CAMPAIGN**  
*Empowering People Against Hepatitis*

Webinar on Prevention & Control of Hepatitis B&C on 23rd February 2022 in an online mode by Dept. of Periodontology in collaboration with ILBS.





**MANAV RACHNA** **FEBRUARY**  
HEART AWARENESS MONTH

DEPARTMENT OF ORAL PATHOLOGY & GENERAL SURGERY,  
MANAV RACHNA DENTAL COLLEGE, FDS, MBBS  
CELEBRATE

**WOMEN HEART HEALTH MONTH**  
ON  
22 FEBRUARY 2022  
9:00AM - 1:00PM

LT-2,0 BLOCK, MANAV RACHNA DENTAL COLLEGE, MBBS,  
FARIDABAD, HARYANA

DR. ARUNDEEP SINGH (ORGANISING CHAIRMAN)	DR. M. T. SHARISH (SPEAKER)	DR. PRATUL PRIVADISHINI (SPEAKER)	DR. SHIVANI AGGARWAL (ORGANISING SECRETARY)
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WE ENCOURAGE YOU TO WEAR RED  
JOIN US FOR AN INSIGHTFUL PRESENTATION AND FUN FILLED GAMES

<b>EXCULTE CO-ORDINATORS</b> DR. MANISH SHARDEVA DR. ANCHAL GASTHNEY DR. INDIYANNA	<b>STUDENT CO-ORDINATORS</b> ADITYA SHARADWA RANI TULSI CHIRAG SALIA PRIYANKA GUPTA
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**Faridabad, Haryana, India**

Campus Boys Hostel- 2 Manav Rachna International Institute  
of Research and Studies, Gadsakhori Basti Village, Rocky Area,  
Faridabad, Haryana 121004, India  
Lat 28.450063°  
Long 77.287244°  
23/02/22 09:49 AM

**Expert talks to celebrate Women Heart Health Month, organized by Dept. of OralPathology, General Medicine and General Surgery on 22nd February 2022**

Online webinar on 29.04.2022 by Dept. of Orthodontics

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "MY JOURNEY" with a flowchart: ORAL SURGERY (blue box) → MAXILLOFACIAL SURGERY (green box) → CRANIOFACIAL SURGERY (orange box). To the left is a video of a surgeon in an operating room. To the right are three clinical photographs of oral and maxillofacial surgery. On the right side of the Zoom window, a list of participants is visible, including Dr. S. M. Balaji and several other attendees.

Dr S M Balaji explaining about his journey as an oral surgeon

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide titled "TOOTH TO SKULL" with a large illustration of a tooth and a skull. Below the title, the name "Prof. S.M. Balaji" is written in a stylized font, followed by his credentials: "MDS, MFDS RCPS (Glasg), FDS RCPS (Glasg), PhD, DSc (Hon) Consultant Cranio-Maxillofacial Surgeon, Chennai". On the left side of the Zoom window, there are three video thumbnails showing participants, including Dr. Purnab Rathi and Dr. S. M. Balaji.

Dr.S M Balaji clarifying the queries which were put forth by the participants.





**Final year BDS students attending webinar**

**ManavRachna Centre for Dental Excellence organized a MASTER CLASS Thursday on 16th June 2022, on Topic "LASERS IN DENTISTRY" by Dr. Vijay Mathurar BDS students attending webinar**



**PG STUDENTS WITH THE GUEST SPEAKER DR. VIJAY MATHUR**



**ALL the Senior faculty members presenting Sapling to the Guest speaker**

### **Social Health Initiatives**

MRDC has always been on the forefront for working towards the betterment of the poor and underserved members of the society. The institute makes an all-out effort to provide Consultancy to Socially and Economically Weaker Sections of the Society. We now illustrate some of our initiatives

#### **1. Faridabad Smiles – Feb to November 2022**

Manav Rachna Dental College is pledged to the service of the underprivileged. Being a Healthcare Institution, we believe in the principle of 'Universal Health Coverage'. The ideal dentist to population ratio should be 1:7500, however in India this is around 1:10,000 going upto even 1:30,000 in rural areas. Lack of affordable dental care services drove us to arrive at a solution to provide quality, cost-effective, accessible dental care to the underprivileged living mainly in rural areas.

To achieve this Manav Rachna Dental college launched 'Faridabad Smiles' Dental Outreach Program. This is the flagship program of the Department of Public Health Dentistry, Manav Rachna Dental College, running successfully for the past 15 years. Under this program 6 camps are conducted weekly in Rural areas of Faridabad District. The camp sites and beneficiary villages are identified a week prior by a dedicated camp coordinator. This is done by liaising with local leaders and educating them to spread the word through their community so that there should be maximum utilization of the dental screening services. Free Dental Screening camp is then conducted in the identified community. Those who have positive dental findings are educated and motivated to seek treatment. Those who are referred to our institution to seek treatment at MRDC are provided free bus service to and fro from the institution. In the year 2021-22 over 100 such camps were conducted which screened approximately 3500 patients.



### 1. Raising Awareness on Menstrual Hygiene in association with Unicharm – 3rd Feb 2022:

Manav Rachna Dental College regularly conducts sessions on raising awareness on Menstrual Hygiene. This year the talk was conducted by the Department of Public Health Dentistry on 3rd Feb 2022 in collaboration with Global Hunt NGO on 03.02.22 at 10:00 am on Microsoft teams for the interns and students and faculty of the department.

Raising awareness on this topic is very essential especially among young adults. Speaker for the program was Ms. Anita Sukhwai CSR executive, Unicharm. She presented and explained very well about



menstrual hygiene queries that were also answered during the session. A total of 40 participants from Manav Rachna Dental College attended the session including students and faculty. Enthusiasm and rigor was palpable among all the students and participants.

As a follow up to this program we also collaborated with Dr. OP Bhalla Foundation and Unicharm (Parent company of Sofy and Mamy Poko Pants) to help us further our initiative of menstrual hygiene and sanitary napkin distribution. The first session was held at GSSS Dayalpur. 800 napkins were distributed and the Students were sensitized about menstrual hygiene.

### 3. International Women's Day – 7th March 2022

Department of Public Health Dentistry organized a Women's only Dental Awareness and Screening Drive on International Women's Day in association with Nav Srishti Foundation, Palla, Faridabad. Nav Srishti foundation has on ground presence in nearly 900 households involving almost 1,20,000 women, where they support women self-help groups and were instrumental in conducting door to door awareness for the maximum involvement of women in this program. The theme this year International Women's Day was to #BreakTheBias. This entails breaking the gender bias in health care too and to assist women to be in a position of power to make informed decisions about their health. It is well known that in rural areas especially, the health of the men of the households takes precedence over that of the women. Oral health education was given to four different batches of women. The topics covered were common oral health problems and their prevention, changes in oral health of women at various stages of life such as puberty, pregnancy and menopause, menstrual and general hygiene. Total number of patients screened were 131 and another 60 received Sanitary Napkin packs. The women responded well to the program and realized the importance of focusing on their health too along with the health of their family. The message of breaking the bias on women's day was well conveyed to them.





#### 4. Observing World Oral Health Day – 20th March 2022

World oral health day is celebrated every year on the 20th of March to reiterate the importance of oral health in the community. The theme for the year was Be Proud of Your Mouth.

In a bid to make people value and take care of their oral health and to make the right decisions to protect it, we at the department of Public Health Dentistry, Manav Rachna Dental College, conducted a series of thought provoking and impactful events.

A field visit for underprivileged Children from **Prakashdeep Foundation** was conducted, where they visited the dental college, received oral health education and understood the importance of regular dental check-ups. They then participated in a poster competition on the theme "Be Proud of your Mouth" which gave them an opportunity to reproduce on canvas, their understanding of good oral health. All stationery, colours and art sheets were provided by Manav Rachna Dental College. The event was graced by Mrs Satya Bhalla, Chief Patron MREI, Dr. Arundeeep Singh, Principal MRDC, Dr. Ashim Agarwal, Vice Principal MRDC and Dr. Meena Jain, HOD, Department of Public Health Dentistry, MRDC. The children used their imagination and made very innovative educational posters. Satya ma'm very kindly judged the posters and 3 posters were awarded best poster and 2 were given consolation certificates. The children were then given refreshments. The whole event was met with a lot of enthusiasm by the children and organizers alike.

They say, charity begins at home, so our next session for the day was organized for our very own class IV staff of the entire MRU. In line with the World Health Organization's mission of Universal Health Coverage, this event was aimed at **sensitization of Class IV staff towards Oral Health Care** and dissemination of this information in their communities across villages in Faridabad. They were trained to become Community Coordinators for Manav Rachna Dental College and aid in conducting Public Outreach Programs for better availability of oral health care to underprivileged sectors. This event was chaired by our respected Principal Dr Arundeeep Singh who also interacted with the audience and encouraged them to actively participate in oral health care programs.

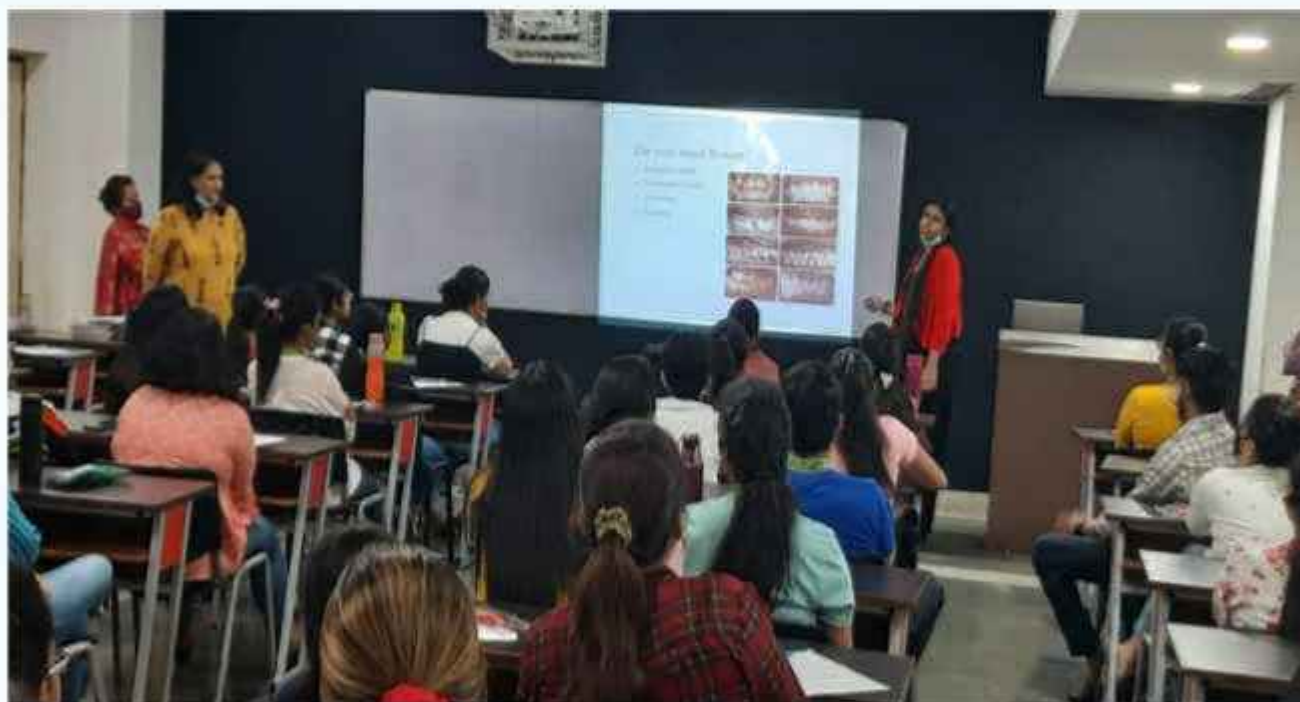






## 5. Improving Health Seeking Behaviour in College going students – 19th April 2022

Dental Health is an oft neglected factor in general. People do not seek dental care unless it's not too late and does not start causing pain and discomfort. By such time the problem has increased and the tangible and intangible costs of the treatment increases. Thus, in order to motivate college going students to seek dental care and to develop positive health seeking behavior among them, we organized a Dental Health Education Seminar for young college going students. Addressed with the audience and encouraged them to actively participate in oral health care programs.





## 6. Oral Health Community Camp – SGM Nagar – 4th June 2022

Oral health is extremely important for general health. To reiterate the importance of oral health in the community, a special awareness drive was held in the marginalized areas of SGM Nagar, Faridabad in association with Himachal Welfare Association. The drive included free dental check up and dental health education for the locals living in that area.

The program was covered by the local media.





## 7. Special Camp for Senior Citizens – 22nd June 2022

Old age brings with itself many health problems. Dental problems stemming from missing teeth, mobile teeth, dryness of mouth etc. need to be addressed on priority. In order to address this problem, the Department of Public Health Dentistry took part in a Mega Health Camp organized by OP Bhalla Foundation in association with Senior Citizens Club, Sector 21, Faridabad.

Services like dental check-up, Physiotherapy counselling and sessions and Dietary counselling were provided in the camp.





## CHAPTER-4

### ACADEMIC CALENDAR

Manav Rachna International Institute of Research & Studies (Deemed to be University)  
 Academic Calendar: 2021-22

Academic Calendar for the First Semester Only (August 2021 -January 2022)				
				Date:02-08-2021
Sr.No.	Activity	3 Week Based Orientation		Responsibility
1	Start of Classes	23-08-2021		
1.2	Forwarding of Roll List to Dept. by Registrar Office	19-08-2021		Registrar Office
1.3	Submission of list of Mentors and Mentees to Asso. Dean Acad	20-08-2021		Respective HoD
1.4	Preparation of the Time Table, and creation of Teams/Groups on MsTeams	21-08-2021		Time Table Inch(Dept.)
1.5	Orientation Program of the first year students	23-08-2021	10/9/2021	Respective mentors
1.6	Bridge Courses	13-09-2021	24-09-2021	
1.7	Uploading of the Time Table and Teaching plan on EMS with information about Mode of Delivery by faculty members/ teachers.	22-09-2021		Respective Dept. ERP Coordinator/HoD
1.8	Course Registration on EMS by students.	22-09-2021	23-09-2021	Students under supervision of mentors
1.9	Approval of courses registered by students on ERP	24-09-2021	25-09-2021	Respective HoD
2	Classes (Monday to Friday) with continuous Class Assessment	27-09-2021	12/11/2021	Respective faculty under regular monitoring by respective HoD
3	First Sessional Tests	13-11-2021	19-11-2021	Department
3.1	Course Delivery /Faculty feedback - 1(Turn1) to be given by students	13-11-2021	19-11-2021	Departmental ERP Coordinators
3.2	Date sheet/Schedule of the first sessionals to be notified by respective departments on or before	5/11/2021		Respective Dean's Office with copy to Dean Academics and CoE
3.3	Completion of Evaluation of first sessionals and posting of awards on EMS	24-11-2021		Respective faculty members/ HoDs
4	Deposit of second Installment of Fee	15-11-2021		
5	Classes (Monday to Friday) with continuous Class Assessment	22-11-021	31-12-2021	Respective faculty under regular monitoring by respective HoD
6	Second Sessional Tests	03-01-022	8/1/2022	Department

6.1	Course/Faculty Feedback 2 (TURN 2) - To be given by students	03-01-022	8/1/2022	Respective Departmental ERP Coordinators
6.2	Date sheet/Schedule of second sessionals to be notified by respective departments on or before	27-12-2021		Respective Dean's Office with copy to Dean Academics and CoE
6.3	Completion of Evaluation and posting of awards on EMS	10-01-022	12/1/2022	Respective Faculty members/ teachers
7	Classes with Revision and Doubt Clearing Sessions	10/1/2022	12/1/2022	
8	<b>End of Semester Classes</b>	12/1/2022		
8.1	<b>List of Eligible Students on the basis of required min. attendance on or before</b>	13-01-2022		Registrar Office
8.2	Submission of Complete Continuous Assessment/Internal Marks to CoE on or before	14-01-2022		HoDs/faculty
8.3	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	15-01-2022	19-01-2022	Respective Departmental ERP Coordinators under supervision of respective HoDs
9	<b>End Semester Practical Examination</b>	15-01-2022	19-01-2022	Department
9.1	Date sheet/Schedule for practical exams to be notified by respective departments on or before	7/1/2022		Respective HoDs/Deans
9.2	Submission of awards of final practicals to CoE on or before	21-01-2022		Respective Departmental Practical Exam coordinator
10	Submission of internal evaluation for Open Electives/Value Added courses to central MOOC Coordinator	14-01-2022		Dept. MOOC Coordinator/HoD
11	<b>End Semester Theory Examination</b>	22-01-2022	31-01-2022	
11.1	Date sheet/Schedule to be notified by CoE on or before	5/1/2022		CoE
11.2	Completion of Evaluation and submission of marks to CoE on or before	1/2/2022	4/2/2022	Respective Supdt. Evaluation
11.3	Showing of Answer Sheets of End Semester Examination	7/2/2022	8/2/2022	HoDs



12	Result and Submission of Report	11/2/2022		CoE
12.1	Submission of detailed reports of Value Added Courses conducted to IQAC on before	4/2/2022		Respective HoDs / Deans
12.2	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.	15-02-2022	18-02-2022	Mentors/ Faculty / HoD
12.3	Submission of Mentor-Mentee Files (Including their achievements, Academic Progression ), ATR on Advanced and Slow Learners to respective HoD	15-02-2022	18-02-2022	Course Coordinator/ HoD
12.4	Submission of Mentor-Mentee Files (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners by respective HoDs to IQAC	18-02-2022		HoDs
13	<b>Start of next Semester</b>	7/2/2022		
13.1	Notification of Academic Calendar for next Semester	14-01-2022		Assoc. Dean Academics

**Department of Physiotherapy Academic Calendar for the BPT and MPT 1st year for session 2021-22**

Sr.No	Activity	From	To
1	<b>Start of Session</b>	23-08-2021	2/5/2022
1.1	<b>Orientation week</b>	23-08-2021	27-08-2021
1.2	Enrolment of students and sharing mentor mentee details	23-08-2021	27-08-2021
1.3	Submission of list of Mentors and Mentees to Academic Office (Updation) (Vertical Mentoring)	31-08-2021	
1.4	Preparation and submission of Teaching Load to Acad. Office for approval	27-08-2021	
1.5	Preparation of the Time Table	27-08-2021	
1.6	Sharing of Information about the coming session, courses and mentor-mentee sessions by mentors to their mentees	23-08-2021	27-08-2021
1.7	Uploading of the Time Table and Teaching plan on EMS with information about Mode of Delivery by faculty members/ teachers	27-08-2021	31-08-2021
1.8	Course Registration on EMS by students	23-08-2021	31-08-2021
1.9	Approval of courses registered by students on EMS	23-08-2021	31-08-2021
2	Classes (Monday to Friday and Working Saturdays) with continuous Class Assessment With updating the same on EMS.	1/9/2021	14-01-2022
2.1	Datesheet/Schedule of first sessional to be notified by the department on/before	27-12-2021	31-12-2021
3	<b>First Sessional Exam (Theory and Practical)</b>	<b>17-01-2022</b>	<b>21-01-2022</b>
3.1	Course Delivery /Faculty feedback-1 (Turn1) to be given by students	17-01-2022	21-01-2022



3.2	Completion of Evaluation of first sessionals and posting of awards on EMS	21-01-2022	28-01-2022
4	Classes (Monday to Friday and Working Saturdays) with continuous Class Assessment With updating the same on EMS.	24-01-2022	16-03-2022
4.1	Datesheet/Schedule of Second sessional to be notified by the department on/before	14-03-2022	18-03-2022
5	<b>Second Sessional Exam (Theory and Practical)</b>	1/4/2022	7/4/2022
5.1	Course Delivery /Faculty feedback-2 (Turn 2) to be given by students	1/4/2022	7/4/2022
5.2	Completion of Evaluation of Second sessionals and posting of awards on EMS	7/4/2022	15-04-2022
6	<b>Deposition of fee installment</b>	30-04-2022	
7	Classes (Monday to Friday and Working Saturdays) with continuous Class Assessment With updating the same on EMS.	8/4/2022	26-05-2022
7.1	Datesheet/Schedule of Pre-Liminary Examination to be notified by the department on/before	16-05-2022	
8	<b>Pre-liminary Examination (Theory and Practical)</b>	27-05-2022	3/6/2022
8.1	Completion of Evaluation of Pre-liminary Examination and posting of awards on EMS	8/6/2022	
8.2	Classes with Revision and Doubt Clearing Sessions	4/6/2022	6/6/2022
9	<b>List of Eligible Students on the basis of required min. attendance on or before</b>	9/6/2022	
10.1	Submission of Complete Continuous Assessment/ Internal Marks to COE on or before	8/6/2022	15-06-2022
11	<b>End of Teaching / Academic Session</b>	27-05-2022	

12	Date sheet/Schedule to be notified by COE on or before	23-05-2022	27-05-2022
13	End Semester Practical Exams	8/6/2022	15-06-2022
14	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	8/6/2022	15-06-2022
15	<b>Final University Theory Examination</b>	22-06-2022	5/7/2022
15.1	Completion of Evaluation and submission of marks to COE on or before	11/7/2022	
15.2	Showing of Answer Sheets of Annual Examination	13-07-2022	
15.3	Declaration of Results of Annual Examination on or before	18-07-2022	
16	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.	22-07-2022	
17	Submission of Mentor-Mentee Files (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners to respective HoD	25-07-2022	
18	Submission of Mentor-Mentee Files (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners by respective HoDs to IQAC	27-07-2022	
19	Start of Next Semester	1/8/2022	
20	Notification of Academic Calendar for Next Semester	1/7/2022	



Academic Calendar for the Third Semester Only				
Sr. No.	Activity	From	To	Responsibility
1	Start of Classes	2-Aug-21		
2	Result Analysis of previous semester	13-Aug-21	17-Aug-21	Respective HoD
2.01	Course-Wise Result Analysis of previous semester	13-Aug-21	17-Aug-21	Respective HoD
2.02	Submission of result analysis report and its ATR to IQAC latest by	20-Aug-21		Respective HoD
3	Submission of list of Mentors and Mentees to Asso. Dean Acad.(Updation)	15-Jul-21		Respective HoD
4	Academic Planning			
4.01	Preparation and submission of Teaching Load to Asso. Dean Acad. For approval by Dean Academics	15-07-2021		Respective Dean's Office / HoD
4.02	Preparation of Time Table Latest by	19-07-2021		Time Table Inch(Dept.)
4.03	Sharing of Information about the coming session, courses and mentor-mentee sessions by mentors to their mentees latest by	26-07-2021		Respective mentors
4.04	Uploading of the Time Table and Teaching plan on EMS with information about Mode of Delivery by faculty members/ teachers	26-07-2021	27-07-2021	Respective Dept. EMS Coordinator/HoD
4.05	Creation of Teams/Groups on MS Teams for online classes	26-07-2021	27-07-2021	Respective Course Coordinators in consultation with HoD
5	Course Registration			
5.01	Course Registration on EMS by students.	28-07-2021	29-07-2021	Students under supervision of mentors

5.02	Approval of courses registered by students on EMS	29-07-2021	30-07-2021	Respective HoD
5.03	Tagging of approved registered students on Teams latest by	30-07-2021	31-07-2021	Respective Teachers
<b>6</b>	<b>Conduct of classes, feedback and evaluation</b>			
6.01	Orientation Program	2/8/2021	4/8/2021	Respective HoD
6.02	Classes (Monday to Friday) with continuous Class Assessment	5/8/2021	17-09-2021	Respective faculty under regular monitoring by respective HoD
6.03	<b>First Sessional Tests</b>	<b>18-09-2021</b>	<b>24-09-2021</b>	Respective HoDs in consultation with Deans and CoE
6.04	Course Delivery /Faculty feedback - 1(Turn1) to be given by students	18-09-2021	24-09-2021	Departmental EMS Coordinators
6.05	Date sheet/Schedule of the first sessionals to be notified by respective departments on or before	10/9/2021		Respective Dean office, with a copy to Dean Academics and CoE
6.06	Completion of Evaluation of first sessionals and posting of awards on EMS	25-09-2021	28-09-2021	Respective faculty members/teachers
6.07	Identification and Notification of Advanced and Slow Learners alongwith Schedule of activities planned including remedial classes for slow learners	30-09-2021		
6.08	Classes (Monday to Friday) with continuous Class Assessment	27-09-2021	19-11-2021	Respective faculty under regular monitoring by respective HoD
<b>6.09</b>	<b>Second Sessional Tests</b>	20-11-2021	3/12/2021	Respective HoDs in consultation with Deans and CoE



6.1	Course/Faculty Feedback 2 (TURN 2) - To be given by students	20-11-2021	26-11-2021	Departmental EMS Coordinators
6.11	Date sheet/Schedule of second sessionals to be notified by respective departments on or before	12/11/2021		Respective Dean's office, with a copy to Dean Academics and CoE
6.12	Completion of Evaluation and posting of awards on EMS	27-11-2021	30-11-2021	Respective Faculty members/ teachers
6.13	Classes with Revision and Doubt Clearing Sessions	29-11-2021	1/12/2021	Respective Departmental ERP Coordinators
6.14	End of Semester Classes	1/12/2021		
7	Deposit of 2nd Installment of Fee for AY 2021-22 up to	15-11-2021		Students/ mentors/ HoDs
8	End Semester Examination, its preparations, course exit and curriculum feedback			
8.01	List of Eligible Students on the basis of required min. attendance on or before	3/12/2021		Registrar's Office
8.02	Submission of Complete Continuous Assessment/Internal Marks to CoE on or before	2/12/2021	7/12/2021	HoDs/faculty
8.03	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	30-11-2021	1/12/2021	Respective Departmental EMS Coordinators under supervision of respective HoDs
8.04	End Semester Practical Examination	4/12/2021	8/12/2021	Respective HoDs in consultation with their Deans and CoE
8.05	Date sheet/Schedule for practical exams to be notified by respective departments on or before	26-11-2021		Respective HoDs/Deans

8.06	Submission of awards of final practicals to CoE on or before	14-12-2021		Respective Departmental Practical Exam coordinator
8.07	Submission of continuous Assessment / Internal Awards for Open Electives/ Value Added Courses to Central MOOC Coordinator	14-12-2021		Department MOOC Coordinator
8.08	Submission of continuous assessment/ internal awards to coe on or before	17-12-2021		Respective HoDs, in consultation with respective Deans
8.09	End Semester Theory Examination	11/12/2021	24-12-2021	CoE
8.1	Date sheet/Schedule to be notified by CoE on or before	4/12/2021		CoE
8.11	Completion of Evaluation and submission of marks to CoE on or before	33-12-2021		Respective Supdt. Evaluation
8.12	Showing of Answer Sheets of End Semester Examination	3/1/2022	4/1/2022	HoDs
9	Result and submission of reports of outcome of semester			
9.01	Declaration of Results of Semesters Examination on or before	7/1/2022		CoE
9.02	Submission of detailed reports of Value-Added Courses conducted, to IQAC on before	4/12/2021		Respective HoDs / Deans
9.03	Submission of COMPLETE Course Files (with course Outcome attainment computation and analysis) by respective course Coordinator to HoD	10/1/2022	12/1/2022	Concerned Faculty Mentor/ Respective HoDs
9.04	Submission of Mentor-Mentee Files (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners to respective HoD	10/1/2022	12/1/2022	Mentors/ Faculty / HoD
9.05	Submission of Mentor-Mentee Files (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners by respective HoDs to IQAC	15-01-2022		HoDs
10	Start of next Semester	3/1/2022		
10.01	Notification of Academic Calendar for next Semester	10/12/2021		Assoc. Dean Academics



8.06	Submission of awards of final practicals to CoE on or before	14-12-2021		Respective Departmental Practical Exam coordinator
8.07	Submission of continuous Assessment / Internal Awards for Open Electives/ Value Added Courses to Central MOOC Coordinator	14-12-2021		Department MOOC Coordinator
8.08	Submission of continuous assessment/ internal awards to coe on or before	17-12-2021		Respective HoDs, in consultation with respective Deans
<b>8.09</b>	<b>End Semester Theory Examination</b>	11/12/2021	24-12-2021	CoE
8.1	Date sheet/Schedule to be notified by CoE on or before	4/12/2021		CoE
8.11	Completion of Evaluation and submission of marks to CoE on or before	33-12-2021		Respective Supdt. Evaluation
8.12	Showing of Answer Sheets of End Semester Examination	3/1/2022	4/1/2022	HoDs
<b>9</b>	<b>Result and submission of reports of outcome of semester</b>			
9.01	Declaration of Results of Semesters Examination on or before	7/1/2022		CoE
9.02	Submission of detailed reports of Value-Added Courses conducted, to IQAC on before	4/12/2021		Respective HoDs / Deans
9.03	Submission of COMPLETE Course Files (with course Outcome attainment computation and analysis) by respective course Coordinator to HoD	10/1/2022	12/1/2022	Concerned Faculty Mentor/ Respective HoDs
9.04	Submission of Mentor-Mentee Files (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners to respective HoD	10/1/2022	12/1/2022	Mentors/ Faculty / HoD
9.05	Submission of Mentor-Mentee Files (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners by respective HoDs to IQAC	15-01-2022		HoDs
<b>10</b>	<b>Start of next Semester</b>	<b>3/1/2022</b>		
10.01	Notification of Academic Calendar for next Semester	10/12/2021		Assoc. Dean Academics

Academic Calendar for the Fifth Semester and Onwards Only					
Sr.No.	Activity	From	To	Teaching Day	
1	Start of Classes	15-07-2021			
Pre-Semester Preparation Work					
2	Result Analysis of previous semester, ATR and identification Advanced and Slow Learners	21-06-2021	1/7/2021	Respective HoD	
2.1	Course Wise Result Analysis of previous semester and its ATR	21-06-2021-	25-06-2021	Respective HoD	
2.2	Submission of Result Analysis Report and its ATR to IQAC latest by	28-06-2021		Respective HoD	
2.3	Identification and Notification of Advanced Slow Learners along with schedule of activities planned including remedial classes for slow learners	05-07-2021-	8/7/2021	Respective HoD	
3	Identification and Approval of Open/Interdisciplinary Electives and Value-added Courses	21-06-2021-	1/7/2021		
3.1	Submission of list Open Electives/Value Added Course with syllabus and Faculty-incharge with central MOOC Coordinator latest by	25-06-2021		Dept. MOOC Coordinator/HoD	
3.2	Approval of Open Electives/Value Added Course with syllabus and Faculty-in charge by Dean academics latest by	1/7/2021		Central MOOC Coordinator	
4	Submission of List of Mentors and Mentees to Asso. Dean Acad.(Updation)latest by	1/7/2021		Respective HoD	
5	Perspective Plan and Activity Calendar of Departments and other centres/sections of university				
6	Academic Planning	1/7/2021		9-Jul-21	
6.1	Preparation and Submission of teaching load to Asso. Dean Acad. For approval by Dean Academics latest by	1/7/2021		Respective Deans office/HoD	
6.2	Preparation of the Time Table latest by	5/7/2021		Time Table Inch(Dept.)	
6.3	Sharing of information about the coming session, courses and mentor-mentee sessions by mentors their mentees latest by	6/7/2021		Respective mentors	



6.4	Uploading of the Time Table and Teaching Plan on EMS with information about Mode of Delivery by faculty members/teachers	6/7/2021	9/7/2021	Respective Dept. EMS Coordinator/HoD
6.5	Creation of Teams/Groups on MS for online classes	6/7/2021	9/7/2021	Respective coordinators in consultations with their HoDs
7	Course Registration			
7.1	Course Registration on EMS by students	10/7/2021	14-07-2021	Students under supervision of mentors
7.2	Approval of courses registered by students on EMS	15-07-2021	17-07-2021	Respective HoDs
7.3	Tagging of Approved Registered Students on Team latest by	17-07-2021		Respective Teachers
8	Conduct of Classes, Feedback and Evaluation			
8.1	Orientation Programme	15-07-2021	17-07-2021	Respective Team
8.2	Classes (Monday to Friday) with continuous Class Assessment	19-07-2021	3/9/2021	Respective faculty under regular monitoring by respective HoD
8.3	First Sessional Tests	4/9/2021	10/9/2021	Respective HoD in consultation with their Deans and CoE
8.4	Course Delivery/Faculty feedback-1(Turn-1) to be given by students	4/9/2021	10/9/2021	Departmental EMS Coordinators
8.5	Date sheet/Schedule of sessionals to be notified by respective departments on or before	27-08-2021		Respective Dean's office with copy to Dean academics and CoE
8.6	Completion of Evaluation of first sessionals and posting of awards on EMS	10/9/2021	14-09-2021	Respective faculty members/HoDs
8.7	Classes (Monday to Friday) with continuous Class Assessment	13-09-2021	3/11/2021	Respective Faculty under regular monitoring by respective HoD
8.8	Second Sessional Tests	8/11/2021	13-11-2021	Respective HoD in consultation with their Deans and CoE

8.9	Course/Faculty Feedback 2 (Turn 2) - To be given by students	8/11/2021	13-11-2021	Respective Departmental EMS Coordinators
8.1	Date sheet/Schedule of second sessionals to be notified by respective departments on or before	1/11/2021		Respective Dean's Office with copy to Dean Academics and CoE
8.11	Completion of Evaluation and posting of awards on EMS	15-11-2021	17-11-2021	Respective Faculty members/teachers
8.12	Classes with Revision and Doubt Clearing Sessions	15-11-2021	17-11-2021	Respective faculty under regular monitoring by respective HoD
8.13	End of Semester Classes	17-11-2021		
9	Deposit of II Installment of fee for AY 2021-22 Upto	15-11-2021		Accounts Dept. (CAD) and Respective HoDs through mentors
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	15-11-2021		Registrar Office
10.2	Submission of Complete Continuous Assessment/Internal Marks to CoE on or before	22-11-2021	24-11-2021	HoD/Faculty
10.3	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	15-11-2021	17-11-2021	Respective Departmental ERP Coordinators under supervision of respective HoDs
10.4	End Semester Practical Examination	20-11-2021	25-11-2021	Respective HoD in consultation with their Deans and CoE
10.5	Date sheet/Schedule for practical exams to be notified by respective departments on or before	13-11-2021		Respective HoD/Deans
10.6	Submission of Awards of final practicals to CoE on or before	1/12/2021		Respective Departmental Practical Exam Coordinator
10.7	Submission of Continuous Assessment/ Internal Awards for Open Electives/ Value Added Courses to central MOOC Coordinator	26-11-2021		Dept. MOOC Coordinator/HoD



10.8	Submission of Continuous Assessment/ Internal Awards to CoE on or before	2/12/2021		Respective HoD in Consultation with their Deans
10.9	<b>End Semester Theory Examination</b>	30-11-2021	18-12-2021	CoE
10.1	Date Sheet/ Schedule to be notified by CoE on or before	24-11-2021		CoE
10.11	Completion of Evaluation and Submission of marks to CoE on or before	27-12-2021		Respective Supdt. Evaluation
10.12	Showing of Answer Sheets of End Semester Examination	29-12-2021	30-12-2021	Respective HoDs/Deans
11	<b>Result And Submission of Reports of Outcome of Semester</b>			
11.1	Declaration of Results of Semesters Examination on or before	4/1/2022		CoE
11.2	Submission of detailed reports of Value Added courses conducted to IQAC on or before	4/12/2021		Respective HoDs/Deans
11.3	Submission of COMPLETE Course Files (with course outcome attainment computation and analysis) by respective Course Coordinator to HoD	9/1/2022	12/1/2022	Course Coordinator/HoD
11.4	Submission of Mentor-Mentee files (including their achievements, academic progression), ATR on Advanced and Slow Learners to respective HoD	9/1/2022	12/1/2022	Concerned Faculty Mentor/Respective HoD
11.5	Submission of Mentor-Mentee files (including their achievements, academic progression), ATR on Advanced and Slow Learners by respective HoD to IQAC on or before	15-01-2022		HoDs
12	<b>Start of next Semester</b>	3/1/2022		
12.1	Notification of Academic Calendar for next Semester	10/12/2021		Associate Dean Academics

Academic Calendar for the Third Semester Only				
Sr. No.	Activity	From To		Responsibility
1	Start of Classes	13-Sep-21		
2	Result Analysis of previous semester	24-09-2021	28-09-2021	HoD
2.01	Course-Wise Result Analysis of previous semester	24-09-2021	28-09-2021	HoD
2.02	Submission of result analysis report and its ATR to IQAC latest by	1/10/2021		HoD
3	Submission of list of Mentors and Mentees to Asso. Dean Acad.(Updation)	25-08-2021		HoD
4	Academic Planning			
4.01	Preparation and submission of Teaching Load to Asso. Dean Acad. For approval by Dean Academics	25-08-2021		Dean's Office / HoD
4.02	Preparation of Time Table Latest by	31-10-2021		Time Table In-charge (Dept)
4.03	Sharing of Information about the coming session, courses and mentor-mentee sessions by mentors to their mentees latest by	7/9/2021		Mentors
4.04	Uploading of the Time Table and Teaching plan on EMS with information about Mode of Delivery by faculty members/ teachers	7/9/2021	8/9/2021	Dept. EMS Coordinator/HoD
4.05	Creation of Teams/Group on MS Teams for online classes	7/9/2021	8/9/2021	Course Coordinators in consultation with HoD
5	Course Registration			
5.01	Course Registration on EMS by students.	9/9/2021	10/9/2021	Students under supervision of mentors
5.02	Approval of courses registered by students on EMS	10/9/2021	11/9/2021	HoD
5.03	Tagging of approved registered students on Teams latest by	10/9/2021	11/9/2021	Teachers
6	Conduct of classes, feedback and evaluation			
6.01	Orientation Program	11/9/2021		HoD
6.02	Classes (Monday to Saturdays) with continuous Class Assessment	13-09-2021	15-10-2021	Faculty under regular monitoring by HoD
6.03	First Sessional Tests	16-10-2021	23-10-2021	HoD consultation with Deans and CoE



6.04	Course Delivery /Faculty feedback -1(Turn1) to be given by students	16-10-2021	23-10-2021	Department EMS Coordinator
6.05	Date sheet/Schedule of the first sessionals to be notified by respective departments on or before	8/10/2021		Dean's office, with a copy to Dean Academics and CoE
6.06	Completion of Evaluation of first sessionals and posting of awards on EMS	26-10-2021 to 30-10-2021		Faculty members/teachers
6.07	Identification and Notification of Advanced and Slow Learners alongwith Schedule of activities planned including remedial classes for slow learners	2/11/2021		Faculty members/teachers
6.08	Classes (Monday to Friday) with continuous Class Assessment	25-10-2021	26-11-2021	Faculty under regular monitoring by HoD
6.09	Second Sessional Tests	27-11-2021	4/12/2021	HoD in consultation with Deans and CoE
6.1	Course/Faculty Feedback 2 (TURN 2) - To be given by students	1/12/2021	8/12/2021	Department EMS Coordinator
6.11	Date sheet/Schedule of second sessionals to be notified by respective departments on or before	23-11-2021		Dean's office, with a copy to Dean Academics and CoE
6.12	Completion of Evaluation and posting of awards on EMS	9/12/2021	13-12-2021	Faculty members/teachers
6.13	Classes with Revision and Doubt Clearing Sessions	10/12/2021	11/12/2021	Department ERP Coordinators
6.14	End of Semester Classes	9/12/2021		
7	<b>Deposit of 2nd Installment of Fee for AY 2021-22 Upto</b>	15-11-2021		Students/Mentors/HoD
8	<b>End Semester Examination, its preparations, course exit and curriculum feedback</b>			
8.01	List of Eligible Students on the basis of required min. attendance on or before	11/12/2021		Registrar's office
8.02	Submission of Complete Continuous Assessment/Internal Marks to CoE on or before	9/12/2021	15-12-2021	HoD/Faculty
8.03	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	10/12/2021	11/12/2021	Departmental EMS Coordinators under supervision of HoD

8.04	Submission of continuous Assessment / Internal Awards for Open Electives/ Value Added Courses to Central MOOC Coordinator	14-12-2021		Department MOOC Coordinators
8.05	Submission of continuous assessment/ internal awards to COE on or before	17-12-2021		HoD, in consultation with Deans
8.06	End Semester Theory Examination	14-12-2021	29-12-2022	CoE
8.07	Date sheet/Schedule to be notified by CoE on or before	4/12/2021		CoE
8.08	Completion of Evaluation and submission of marks to CoE on or before	31-12-2022		Supdt. Evaluation
8.09	Showing of Answer Sheets of End Semester Examination	3/1/2022	4/1/2022	HoD
9	Result and submission of reports of outcome of semester			
9.01	Declaration of Results of Semesters Examination on or before	7/1/2022		CoE
9.02	Submission of detailed reports of Value Added Courses conducted, to IQAC on before	4/12/2021		HoD/Deans
9.03	Submission of COMPLETE Course Files(with course Outcome attainment computation and analysis) by respective course Coordinator to HoD	10/1/2022	12/1/2022	Concerned Faculty Mentor/HoD
9.04	Submission of Mentor-Mentee Files (Including their achievements, Academic Progression ), ATR on Advanced and Slow Learners to respective HoD	10/1/2022	12/1/2022	Mentors/Faculty/HoD
9.05	Submission of Mentor-Mentee Files (Including their achievements, Academic Progression ), ATR on Advanced and Slow Learners by respective HoDs to IQAC	15-01-2022		HoD
10	Start of next Semester	3/1/2022		
10.01	Notification of Academic Calendar for next Semester	10/12/2021		Associate Dean Academics



Academic Calendar for the 2nd Semester Only(Feb-Aug 2022)				
Sr.No.	Activity	From	To	Responsibility
1	<b>Start of Classes</b>	<b>28-02-2022</b>		
	<b>Pre Semester preparation work</b>			
2	<b>Result Analysis of previous semester</b>	11/3/2022	15-03-2022	HoD
2.1	Course wise result analysis report and its ATR to IQAC	16-03-2022		HoD
2.2	Notification of Advanced and Slow learners alongwith schedule of activities planned including remedial classes for slow learners	17-03-2022		HoD
3	<b>Submission of updated list of Mentors and Mentees to Asso. Dean Acad.</b>	<b>25-02-2022</b>		HoD
4	<b>Academic Planning</b>			
4.1	Preparation and submission of updated Teaching Load to Associate Dean Acad. For approval by Dean Academics	16-02-2022		Dean's Office/HoDs
4.2	Preparation of the Time Table	21-02-2022		Department Time Table Incharge
4.3	mentor-mentee sessions: Sharing of information about the coming session, courses and conduct of classes	25-02-2022		Respective Mentors
4.4	Uploading of the Time Table and Teaching plan on ERP with information about Mode of Delivery by faculty members/ teachers	21-02-2022	23-02-2022	Department EMS Coordinators
5	<b>Course Registration</b>			
5.1	Course Registration on EMS by students.	23-02-2022	24-02-2022	Students under supervision of respective mentors
5.2	Approval of courses registered by students on ERP	24-02-2022	26-02-2022	Respective HoD/Center Heads
6	<b>Conduct of Classes, Feedback and Evaluation</b>			
6.1	Classes (Monday to Friday) with continuous Class Assessment	28-02-2022	15-04-2022	Respective teachers under regular monitoring of HoDs/Deans
6.2	First Sessional Tests	16-04-2022	22-04-2022	Respective HoDs in consultation with Deans and CoE
6.3	Course Delivery /Faculty feedback -1(Turn1) to be given by students	16-04-2022	22-04-2022	Dept. EMs Coordinators

6.4	Date sheet/Schedule of the first sessionals to be notified by respective departments on or before	1/4/2022		Respective Dean's office in consultation with CoE
6.5	Completion of Evaluation of first sessionals and posting of awards on EMS	22-04-2022	26-04-2022	Respective Faculty members
6.6	Classes (Monday to Friday) with continuous Class Assessment	25-04-2022	3/6/2022	Respective Faculty members
6.7	Second Sessional Tests	4/6/2022	10/6/2022	Respective HoDs in consultation with Deans and CoE
6.8	Course/Faculty Feedback 2 (TURN 2) - To be given by students	4/6/2022	10/6/2022	Dept. EMS Coordinators
6.9	Date sheet/Schedule of second sessionals to be notified by respective departments on or before	21-05-2022		Respective Dean's office in consultation with CoE
6.1	Completion of Evaluation and posting of awards on EMS	10/6/2022	14-06-2022	Respective Faculty members
6.11	Classes with Revision and Doubt Clearing Sessions	13-06-2022	15-06-2022	Respective Faculty members
6.12	End of Semester Classes	15-06-2022		
7	<b>Deposit of Installment of Fee for AY 2021-22 upto</b>	<b>30-04-2022</b>		<b>Individual Student</b>
8	<b>End Semester Examination its Preparation, Course Exit and Curriculum Feedback</b>			
8.1	List of Eligible Students on the basis of required min. attendance on or before	17-06-2022		Registrar's office
8.3	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	20-06-2022	24-06-2022	Respective Department EMs Coordinator under the Supervision of HoD
8.4	<b>End Semester Practical Examination</b>	<b>20-06-2022</b>	<b>23-06-2022</b>	
8.5	Date sheet/Schedule for practical exams to be notified by respective departments on or before	6/6/2022		HoD in consultation with Dean and CoE
8.6	Submission of awards of final practicals to CoE on or before	28-06-2022		Department practical Exams Coordinator
8.7	Submission of continuous Assessment / Internal Awards to CoE on or Before	30-06-2022		
8.8	<b>End Semester Theory Examination</b>	<b>29-06-2022</b>	<b>11/7/2022</b>	
8.9	Date sheet/Schedule to be notified by CoE on or before	15-07-2022		Respective Dean's office in consultation with CoE
8.1	Completion of Evaluation and submission of marks to CoE on or before	14-07-2022		Respective Supdt. Evaluation



8.11	Showing of Answer Sheets of End Semester Examination	18-07-2022	19-07-2022	HoD
<b>9</b>	<b>Results and submission of outcome-reports of the semester</b>			
9.1	Results Declaration of semesters examination on or before	23-07-2022		CoE
9.2	Submission of COMPLETE Course Files(with course Outcome attainment computation and analysis), to respective HoD and from HoD to the office of IQAC.	25-07-2022	26-07-2022	HoDs
9.3	Submission of Mentor-Mentee Files (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners to respective HoD	27-07-2022	28-07-2022	Concerned Respective Mentors/ HoD
9.4	Submission of Mentor-Mentee Files (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners by respective HoDs to IQAC	29-07-2022		HoDs
10	Internship/Training of 4 Weeks	12/7/2022	6/8/2022	HoDs
11	<b>Start of next Semester</b>	<b>8/8/2022</b>		
11.1	Notification of Academic Calendar for next Semester	15-07-2022		Associate Dean Academics

Academic Calendar for the Fourth Semester and Onwards Only(Jan-May2022)				
Sr.No.	Activity	From	To	Responsibility
1	Start of Classes	7/1/2022		
	Pre Semester preparation work			
2	Result Analysis of previous semester	12/1/2022	17-01-2022	Respective HoD
2.1	Course wise result analysis report and its ATR to IQAC	18-01-2022		Respective HoD
2.2	Notification of Advanced and Slow learners alongwith schedule of activities planned including remedial classes for slow learners	22-01-2022		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	24-12-2021		Department MOOC Coordinator
3.2	Approval of Open Electives / Value Added Courses with syllabus and faculty in-charges by Dean Academics latest by	27-12-2021		Central MOOC Coordinator
4	Submission of updated list of Mentors and Mentees to Asso. Dean Acad.	7/1/2022		Respective HoD
5	Perspective plan/ Activity Calendar of the Departments and Centers/Sections of University (To be Shared with Assoc. Dean Academics) latest by	10/1/2022		Respective HoDs/Center heads
5.1	Notification of University Central Activity Calendar for the semester by Dean Academics after approval from VC on or before	17-01-2022		Associate Dean Academics
6	Academic Planning			
6.1	Preparation and submission of Teaching Load to Asso. Dean Acad. For approval by Dean Academics	27-12-2021		Dean's Office/HoDs
6.2	Preparation of the Time Table	07-01-2022		Department Time Table Incharge
6.3	mentor-mentee sessions: Sharing of information about the coming session, courses and conduct of	30-12-2021		Respective mentors
6.4	Uploading of the Time Table and Teaching plan on ERP with information about Mode of Delivery by faculty members/ teachers	7/1/2022	10/1/2022	Department EMs Coordinators
6.5	Creation of Teams/Groups on MS Teams for online Classes	11/1/2022	12/1/2022	Respective Coordinators
7	Course Registration			



7.1	Course Registration on EMS by students.	10/1/2022	12/1/2022	students under supervision of respective mentors
7.2	Approval of courses registered by students on ERP	12/1/2022	13-01-2022	Respective HoDs/Center Heads
7.3	Tagging of approved registered students on Teams latest by	13-01-2022		Respective teachers
8	Conduct of Classes, Feedback and Evaluation			
8.1	Classes (Monday to Friday) with continuous Class Assessment	14-01-2022	4/3/2022	Respective teachers under regular monitoring of HoDs/Deans
8.2	First Sessional Tests	26-02-2022	5/3/2022	Respective Dea's office in consultation with CoE
8.3	Course Delivery /Faculty feedback -1(Turn1) to be given by students	5/3/2022	11/3/2022	Department EMS Coordinators
8.4	Date sheet/Schedule of the first sessionals to be notified by respective departments on or before	22-02-2022		Respective Dean's office in consultation with CoE
8.5	Completion of Evaluation of first sessionals and posting of awards on EMS	10/3/2022	14-03-2022	Respective Faculty members
8.6	Classes (Monday to Friday) with continuous Class Assessment	14-03-2022	6/5/2022	Respective Faculty members
8.7	Second Sessional Tests	7/5/2022	13-05-2022	Respective HoDs in consultation with Deans and CoE
8.8	Course/Faculty Feedback 2 (TURN 2) - To be given by students	7/5/2022	13-05-2022	Department EMS Coordinators
8.9	Date sheet/Schedule of second sessionals to be notified by respective departments on or before	25-04-2022		Respective Dean's office in consultation with CoE
8.1	Completion of Evaluation and posting of awards on EMS	14-05-2022	17-05-2022	Respective Faculty members
8.11	Classes with Revision and Doubt Clearing Sessions	16-05-2022	19-05-2022	Respective Faculty members
8.12	End of Semester Classes	19-05-2022		
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	List of Eligible Students on the basis of required min. attendance on or before	21-05-2022		Registrar's office
10.2	Submission of Complete Continuous Assessment/Internal Marks to CoE on or before	21-05-2022		HoD/Faculty

10.3	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	20-05-2022	25-05-2022	Respective Department EMs Coordinator under the supervision of HoD
<b>10.4</b>	<b>End Semester Practical Examination</b>	<b>23-05-2022</b>	<b>27-05-2022</b>	
10.5	Date sheet/Schedule for practical exams to be notified by respective departments on or before	11/5/2022		HoD in consultation with Dean and CoE
10.6	Submission of awards of final practicals to CoE on or before	30-05-2022		Department practical exams coordinators
10.7	Submission of internal evaluation for Open Electives/Value Added courses to central MOOC Coordinator	30-05-2022		Dept. MOOC coordinators
10.8	Submission of continuous Assessment / Internal Awards to CoE on or Before	31-05-2022		Dept. MOOC Coordinators
<b>10.9</b>	<b>End Semester Theory Examination</b>	<b>1/6/2022</b>	<b>18-06-2022</b>	CoE
10.1	Date sheet/Schedule to be notified by CoE on or before	26-05-2022		CoE
10.11	Completion of Evaluation and submission of marks to CoE on or before	24-06-2022		Respective Supdt. Evaluation
10.12	Showing of Answer Sheets of End Semester Examination	27-06-2022	28-06-2022	Respective HoDs and their team
<b>11</b>	<b>Results and submission of outcome-reports of the semester</b>			
11.1	Results Declaration of semesters examination on or before	30-06-2022		CoE
11.2	Submission of detailed reports of Value-Added Courses conducted to IQAC on before	10/6/2022		
11.3	Submission of COMPLETE Course Files (with course Outcome attainment computation and analysis), to respective HoD and from HoD to the office of IQAC.	8/6/2022	14-06-2022	Course Coordinator
11.4	Submission of Mentor-Mentee Files (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners to respective HoD	8/6/2022	14-06-2022	Faculty mentor
11.5	Submission of Mentor-Mentee Files (Including their achievements, Academic Progression), ATR on Advanced and Slow Learners by respective HoDs to IQAC	17-06-2022		Respective HoDs/Center Heads
<b>12</b>	<b>Start of next Semester</b>	<b>1/8/2022</b>		
12.1	Notification of Academic Calendar for next Semester	1/7/2022		Associate Dean Academics



## CHAPTER-5

### FACILITATION UNITS OF THE UNIVERSITY

#### 5.1 Internal Quality Assurance Cell (IQAC)

Activities conducted by IQAC during the Academic Year 2021-22:

##### 1. FDPs conducted by IQAC

<b>Title of Personality/Professional Development Programme</b>	<b>Details/Outcome of the Planned Program</b>
Induction Program for newly appointed faculty members	Induction Program for newly appointed faculty members was organized during August 2021.
Student Orientation Program for newly admitted students	Student Orientation Program for newly admitted students was organized in three broad batches: Engineering, Management and other than Engineering Programmes during the month of August and September 2021.
IT Training Program: Training on MAC systems  Resource Persons: Mr. Sabyasachi Sen (GM-IT, MRIIRS)	A training program on MAC System was organized on 2nd and 3rd July 2021 for IT Team. Resource was Sh. Sabyasachi Sen, GM (IT). Total 18 IT staff members benefited from this program.
Orientation session EMS - New Academic Developments and Reports for Quality Assurance  Resource Persons: Dr. Naresh Grover, PVC -MRIIRS Ms. Nidhi Garg (Central EMS Coordinator) Mr. Vinay ((Central EMS Coordinator)	The session was conducted by Dr. Naresh Grover, PVC, MRIIRS and Ms. Nidhi Garg & Mr. Vinay (Central EMS Coordinators, which was attended by 36 participants. It was held on July 24, 2021. The new academic developments incorporated on EMS and process for viewing/downloading different reports for Quality Assurance through portal was demonstrated in detail.
Training Program on 'Strategies for Effective Implementation of ISO 9001:2015 Quality Management System.  Resource Persons: Dr. Virender Narula, Professor-ME-FET, MRIIRS	The training program was organised on July 26, 2021 at 2.00pm through online mode which was attended by 18 participants. The training was imparted by Dr. Virender Narula, Member IQAC. The objective of the training was to provide the awareness about ISO 9001:2015 and its effective implementation in MRIIRS.
Training Program on EBSCO Dentistry & Oral Science Source: Delivering Quality Research.  Resource Persons: Mr. Ritesh Kumar (Trainer EBSCO Information Services IEEE Client Services)	Training Program on EBSCO Dentistry & Oral Science Source: Delivering Quality Research was held on July 29, 2021, which was attended by 70 participants.
FDP on Effective Pedagogical Practices for inclusive classroom  Resource Persons: Dr. Babita Parashar (Dean-Education, MRU)	The FDP On Effective Pedagogical Practices for Inclusive Classroom was held on September 21, 2021. It was organized in collaboration with Manav Rachna University and the resource person of the same was Dr. Babita Sharma, Dean Education (MRU) and was attended by 38 participants.
Personal and Surrounding Hygiene: Awareness Program for Bus Drivers and Cleaners.	The Awareness Program was held on Oct 04, 2021, which was attended by 15 participants.

<p>Orientation Workshop on Usage of Virtual Labs: New Modules Resource Persons: Mr. Prateek Kumar (Trainer from Virtual Labs, IIT Delhi)</p>	<p>The Orientation workshop was held on Oct 07, 2021 and was attended by 16 faculty members and 240 students to understand the new simulators developed for different courses.</p>
<p>Orientation Workshop on updated Modules of EMS: Assessment of Open Elective Courses.  Resource Persons: Mr. Vinay Kumar Central EMS Coordinator</p>	<p>The Orientation workshop on updated modules of EMS with respect to Open Elective courses was held on Oct 07, 2021 and was attended by 47 participants.</p>
<p>Quality Assurance, Sustenance and Enhancement through Administrative Audit  Resource Persons: Dr. Virender Narula, Professor-ME-FET, MRIIRS</p>	<p>Workshop on Quality Assurance, Sustenance and Enhancement through Administrative Audit was conducted on Oct 18, 2021, which was attended by 12 participants. The objective of the workshop was to expose the participants to the insight of Administrative Audit in HEIs and to empower the team members to promptly implement the best practices in their respective sections.</p>
<p>Quality Assurance, Sustenance and Enhancement through Academic Audit  Resource Persons: Dr. Sandeep Grover, Professor, Mechanical Engineering, YMCA Faridabad</p>	<p>Workshop on Quality Assurance Sustenance and Enhancement through Academic Audit was conducted in collaboration with J.C. Bose University of Science and Technology, YMCA on Oct 19, 2021 which was attended by 36 participants. Dr. Sandeep Grover was the resource person for the same. The objective of the workshop was to expose the participants to the insight of Academic Audit in HEIs and to empower the team members to promptly implement the best practices in their respective sections.</p>
<p>Training Session on Proctor Module-New Updates for EMS Coordinators  Resource Persons: Mr. Vinay Kumar Central EMS Coordinator</p>	<p>Training Session on Proctor Module-New Updates for EMS Coordinator was held on Oct 20, 2021. This was attended by 23 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. The coordinators were trained to impart the training further at their department end.</p>
<p>Orientation Programme on Ticketing System for Quality Maintenance.  Resource Persons: Mr. Vinay Kumar Central EMS Coordinator</p>	<p>The Orientation Programme on Ticketing System for Quality Maintenance was organised on Oct 22, 2021 for the staff members of Central Library, Purchase &amp; Stores, DSW, Medical, Sports, Admission Cell, IT, CRC &amp; CDC, Hostel, Establishment, Security, Canteen, Housekeeping, Transport and Repair &amp; Maintenance, through online mode. It was conducted by GM IT, MRIIRS. The objective of the program was to provide training on the module for assisting solution through single window for all support services required across the campus and to impart transparency about the support services received from IT and Administration and Timely Management of Issues/concerns with respect to eh support services. Total 24 participants attended the program.</p>
<p>Awareness Program on Personal and Surrounding Hygiene: Awareness Program for Hostel Staff.  Resource Persons: Dr. Shobha Srivastava (Deputy Registrar, MRIIRS)</p>	<p>The Awareness Program for hostel staff was held on Oct 25, 2021 and was attended by the 20 participants.</p>



<p>Awareness Program on Fundamental Duties and Conduct for Gardeners, Security and Housekeeping.</p> <p>Resource Persons: Mr. Happy Bhalla</p>	<p>The session was held on Dec 31, 2021 on Fundamental Duties and Conduct for Gardeners, Security and Housekeeping Staff. It was conducted by Mr. Happy Bhalla and total 28 participants attended this session.</p>
<p>Symposium on The Role of INFLIBNET in Quality Control Processes of HEIs.</p> <p>Resource Persons: Dr. J.P Singh Joorel, Director-INFLIBNET Dr. K.P Singh, Professor, DLIS ,University of Delhi</p>	<p>The symposium on The Role of INFLIBNET in Quality Control Processes of HEIs was organized on Dec 31, 2021 which was attended by 168 participants.</p>
<p>One Week FDP on Effective Academic Practices</p> <p>Resource Persons: Dr. Sandeep Grover, Professor, Mechanical Engineering, YMCA Faridabad Dr. Akshay Girdhar, Guru Nanak Dev Engineering College, Ludhiana Dr. Babita Parashar, Dean Education, MRU Dr. Manju Khari, Associate Professor, JNU, New Delhi</p>	<p>One week FDP on Effective Academic Practices was organized jointly by IQAC, MRIIRS and FCA from Jan 10-14, 2022 in collaboration with J.C. Bose University of Science and Technology, YMCA, Faridabad. Total 52 participants attended the FDP. Dr. Sandeep Grover, Dr. Akshay Girdhar, Dr. Babita Parashar, Dr. Manju Khari etc. were the Resource persons</p>
<p>Awareness Program on Total Quality Management in Student Welfare</p> <p>Resource Persons: Mr. R.K Arora ,Registrar-MRIIRS Dr. Gurjeet Chawla, Dean Welfare, MRIIRS Dr. Amit Seth, Director, FCBS, MRIIRS Dr. Virender Narula, Professor Mechanical Engineering ,FET,MRIIRS</p>	<p>One day Awareness Program on Total Quality Management in Student Welfare was conducted on Jan 29, 2022 which was attended by 185 participants.</p>
<p>Gender Sensitization – Breaking Barriers: Awareness Programme for Faculty and Staff Members</p> <p>Resource Persons: Dr. Priyanka Tiwari, FBSS, MRIIRS Dr. Ankita Magan, FBSS, MRIIRS</p>	<p>Awareness Programme on Gender Sensitization -Breaking Barriers was held on Feb 05, 2022 in which 89 faculty members and 30 staff members participated.</p>
<p>Quality Assurance through Quality Services: An Orientation Program for Administrative Staff on Imparting Effective Support Services to the Students</p> <p>Resource Persons: Dr. Amit Seth, Professor and Director FCBS Mr. Sunny Bhatia, Assistant Professor, Automobile Engineering FET, MRIIRS Ms. Kanupriya Shekhar, Deputy Director-Admissions, MRIIRS</p>	<p>Internal Quality Assurance Cell, Manav Rachna International Institute of Research and Studies (MRIIRS) organized an orientation program for administrative staff on "Imparting Effective Support Services to the Students" on February 04, 2022 which was attended by 94 participants.</p>
<p>Training Program for Generating Admit Cards on EMS</p> <p>Resource Persons: Mr. Vinay Kumar Central EMS Coordinator</p>	<p>The Training Program was organized for the examination staff members on Feb 03, 2022, which was attended by 6 participants.</p>

## 2. IQAC Meetings

During the year 2021-22, IQAC meetings for all the four quarters were held (first meeting on 19th October 2021, second meeting on 15th January 2022, third meeting on 8th April 2022 and fourth meeting on 27th June 2022) in which representatives of all stakeholders including experts from industry were invited.

## 3. Major Quality Initiatives Under taken by IQAC

### ❖ Accreditation and Rankings:

#### a. NBA Accreditation of MBA Programme & 4 UG Engineering Programmes of CSE, ECE, Mechanical and Biotechnology.

- NBA Peer Team visit for MBA was held during the month of Oct 2021.
- MBA Programme of MRIIRS got successfully accredited by NBA during the month of Feb 2022 valid upto 30-06-2024.
- 4 UG Engineering Programmes of CSE, ECE, Mechanical and Biotechnology got accredited by NBA valid upto 30-06-2022 based on compliance report for AY 2021-22.

#### b. Submission of SSR for 2nd Cycle of Accreditation by NAAC:

The SSR for 2nd Cycle of Accreditation was prepared as per the Revised Accreditation Framework and submitted to NAAC successfully on Aug 05, 2022.

#### c. 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 2021 as follows:

Engineering Category: 118

Dental Category: 39

University Category: Band 101-150

MRIIRS got prestigious NIRF Ranking 2022 as follows:

Engineering Category: 105

University Category: Band 101-150

### ❖ Revision of Quality Assurance Manual:

The revised Quality Assurance Manual incorporating all the revised/new policies and procedures proposed after the notification of first version notified on May 02, 2017 was presented during the 4th Quarterly meeting of IQAC for AY2020-21 held on June 29, 2021. The same got approved during the 35th meeting of Board of Management held on July 05, 2021.

### ❖ ISO Certification and Environment & Green Audit:

**a. ISO 9001:2015 certification:** Manav Rachna International Institute of Research & Studies (MRIIRS) is ISO 9001:2015 Certified Institution from BSCIC Certifications Pvt. Limited Faridabad for the following scope:



- Corporate Relations and Career Management Centre: Career Skills & Guidance, Guidance & Counselling for Employability, Employability & Preplacement Training; and Corporate Relations & Support
- Examination Cell: Conduct of Examinations, Result Declaration and Award Management.
- Central Library: Acquisition, Organization and Dissemination of the Library Services.

**b. 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.

**c. 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

**E-Governance initiatives taken during AY2021-22:**

During AY2021-22, multiple e-governance initiatives were taken at MRIIRS including:

- **Proctor module** has been activated on EMS to support student mentoring. Mentors are able to schedule mentor-mentee meetings, float messages to their respective mentees and monitor their academic performance including attendance of the mentees in all the registered courses.
- **Upgradation of module related to uploading of assessment marks of open elective courses,** course coordinators are able to upload the marks of students of multiple programmes/semesters through single sheet only.
- **Incorporation of survey to assess students' satisfaction levels on Teaching Learning Process on EMS.** Student Satisfaction Survey at MRIIRS now includes following components:
  - Feedback on Curricula
  - Feedback on Generic Facilities
  - Feedback on Teaching Learning Process (introduced from AY2021-22)
- With respect to Feedback Analysis part, the **facility to obtain bar graphs along with consolidated reports** based on the responses as obtained by the respondents for various parameters of different types of feedback is fully functional on EMS now.
- **One Time Password (OTP) facility** has been incorporated and activated for the security features on EMS.
- **Study Scheme Maintenance Module** is fully operational now at the department end. The process has been decentralized now. EMS coordinator will be able to add the exam parameters at the start of session and same will be reflecting at faculty account for marks uploading.



- **Ticketing System for Quality Maintenance** has been introduced by the IT department for the timely management of issues/concerns with respect to the support services related to IT/ General Admin/Students/EMS/Admissions etc. through a single window system. This brings complete transparency to the complainant about the latest status of the complaint lodged and also keeps supervisor informed about pending complaints till ticket is closed.
- An increasing trend in student Enrollment and beneficiaries in terms of credit transfer for SWAYAM/NPTEL courses has been witnessed during the AY2021-22. **Swayam Local Chapter of MRIIRS is Awarded as an Active Local Chapter for this year.**
- **Conduct of Academic and Administrative Audit (AAA) and Stakeholders Feedback for AY2020-21**

**a. 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 September-December 2021 for AY 2020-21. Audit reports and respective ATRs were discussed during the 2nd Quarterly meeting of IQAC for AY 2021-22 held on Jan 15, 2022. The external audit review was conducted on April 29, 2022 to validate the compliance of Academic and Administrative Audit for AY2020-21.

**b. Conduct of Stakeholders Feedback for AY2020-21:** Feedback from various stakeholders for AY2020-21 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 action taken reports and recommendations of central committee on Feedback on Curricula and Feedback on Campus Life were reviewed during the 1st quarterly meeting of IQAC for AY 2021-22 held on Oct 19, 2021.

## 5.2 Corporate Relations and Career Management Centre (CRCMC)

Corporate Relations and Career Management Centre has two significant wings, viz. 'Career Development Centre (CDC)' & 'Corporate Resource Centre (CRC)'

**Career Development Centre 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 Skill

**Third Years:** Aptitude, Reasoning, Personality Development

**Fourth Year:** Employability Augmentation – Cognitive, Group Discussion & Personal Interview

**Crash Courses:** 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
- Teaching Aids
- Handbooks
- Power Point Presentation
- Online Mock Tests
- Online Assignments
- Audio-Visual Aids
- Case Studies

### 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.

### Zenith – CDC's Rewards & Recognition Programe

Zenith is an event which marks the culmination of every academic semester. Meritorious students from all the departments are felicitated to further augment their learning endeavor. The mega event is conceptualized and executed in intellectual incubation by team CDC.



## Placements

Corporate Resource Centre initiated the Campus drives for **Placement Session 2021-22**. This includes renowned bulk recruiters like **Capgemini, TCS, HCL Technologies, Accenture, Nagarro, Coforge, Infogain, IBM (India), Wipro, Hike Education, JBM** and many more.

Product-based companies like **NTT Data, Grape City, Indus Valley Partner, ADP, EX2 Solutions, Morgan Stanley (Wiley), Fidelity, Xebia, Newgen, Nagarro Software, Newgen, Avizva, Maven Wave, Crowe LLP, Unthinkable Solutions, Newgen Software**, and many more have shown their faith in Manav Rachna's diverse talent pool and conducted a virtual placement drive for our students.



**Prominent Placements 2021-22 Batch:**

Company Name	CTC (Rs LPA)	No. of selected Students
Kazam EV Tech Pvt. Ltd	22	1
DUNZO	18	5
Credit Suisse Services	13.5	1
SeekAxis Technologies Pvt. Ltd.	10.1	1
NoPaperForms Solutions Pvt. Ltd.	8.5	1
Remunance Services Pvt. Ltd	8.4	1
Fidelity International	8	4
Honda Motorcycle & Scooter India Pvt. Ltd.	7.5	2
Axiom IO IT Services Pvt Ltd	7.5	1
EX Squared Solutions India Pvt Ltd	7.5	1
Samsung R&D	7.5	1
STARTEK (Aegis Customer Support Services Pvt Ltd)	7.02	1
A-Cube Business Solutions Pvt Ltd	7	1
Ultimate Kronos Group	7	2
Wiley Mthree	7	1
IndArka Energy	6.82	1
Webghat	6.8	1
L&T Construction	6.04	1
AVIZVA Solutions Private Limited	6	2
Bosch Global Software Technologies Pvt Ltd	6	1
Contec Global India Pvt Ltd	6	4
Nokia	6	8
Ubiquiti Inc	6	1
Unthinkable Solutions	6	2
VTC Projects (P) Ltd	6	1

Genpact	5.8	7
Legato Health Technologies	5.76	2
Testbook Edu Solutions Pvt. Ltd	5.53	1
Aon	5.5	9
Height Promotion	5.5	2
HiyaMee Private Limited	5.5	1
OneBanc Technologies	5.5	1
Servetel Communication	5.09	1
Byju's	10.00 & 6.00	6
Xebia	9.23 & 5.64 & 4.80	12
Intellipaat	9.00 & 8.65	8
Jaro Group	8.46 & 6.60	6
ADP India Pvt. Ltd.	7.50 & 6.00	16
PlanetSpark	6.63 & 6.40 & 3.00	7
Accenture	6.50 & 5.50 & 4.50	27
Hitachi Vantara	6.00 & 5.00	3
HCL Technologies	6.00 & 2.20	2
Hike Education	5.82 & 4.86	5
Nagarro Software	6.00 & 4.50 &	14
IndiGo	5.00 & 4.21 & 3.00	4
TCS	7.00 & 3.53 & 3.36	34
Wipro Ltd	3.5	51
Capgemini	4	40
Coforge	4.25 & 2.85	25
Healthians	3.00 & 4.80	18
Infogain	4	12
e-Ashwa Industries Pvt. Ltd	3.6	10
IBM India	4.25	11
OPTUM	3.6	10



### Our Major Recruiter





### 5.3 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 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.



## 5.4 Manav Rachna Innovation and Incubation Centre (MRIIC)

The brief outcomes and initiatives of MRIIC taken during the AY 2021-22 are as outlined below:

### 5.4.1 Centre of Excellence for Solar:

Dr. Ashwini K Aggarwal inaugurates Centre of Excellence for Solar PV Skills at Manav Rachna On the occasion of the 74th Founder's Day, the Centre of Excellence for SolarPVSkills 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. ility to all its international students through the International Education Centre, IEC.

### 5.4.2 CISCO MoU:

Today every field  
needs technology skills  
Prepare for your future career by  
enrolling in Cisco courses

MANAV RACHNA CISCO NETWORKING ACADEMY  
ENROLL YOURSELF TODAY IN PYTHON COURSE  
Link: [bit.ly/mriirnetacad](https://bit.ly/mriirnetacad)

Manav Rachna is proud to associate with CISCO Networking Academy. Under this association, students of ManavRachna are getting access to various high-quality computer programming and IT domain courses that have been developed under CISCO Networking Academy. Students got free access to 17 free tier courses which include programming courses on Python, C and C++, Linux Fundamentals, a course on Internet of Things (IoT), and many more.

Many students have earned certificates of completion for different courses through Manav Rachna CISCO Networking Academy. The advantage of these programs is that they are self-paced as well as instructor driven for a better understanding of the course content.

Students are also getting exposure to work on assignments and quizzes which are part of the course curriculum and this will help them enhance their skills to the levels which are required by the industries. The aim of these high-tech programs is to make the students job-ready and supporting them with professional certification from CISCO. Scholarship of up to 70% for a professional certification exam feebased on merit in the CISCO NETACAD programs.



### 5.4.3 UI Path and RPA MoU:

MRIIRS partners with UiPath – the leading Robotics Process Automation organization. Manav Rachna International Institute of Research and Studies is glad to partner with UiPath under academic alliance program. UiPath is a leading Robotic Process Automation organization. This collaboration has opened the doors for the students of Manav Rachna to work on the tool suite of UiPath for designing Robots that are used in IT automation jobs.

Students at MRIIRS have now access to the UI Path Studio software and learning material so that they can start designing robots for the tasks that are repetitive and rule based. Certificates are awarded post completion of the learning modules available on the LMS of UiPath. Discounts on the professional certification cost of RPA exam conducted by UiPath is also available for students who are being trained for different job roles such as RPA Developer, Solution Architect, Business Analyst, Implementation Manager, and Infrastructure Engineer, among others.

The RPA course is also being offered to the students as a part of their academic curriculum so that they can become job ready for the RPA field. This is one of the fastest growing domains as many corporates are shifting from manual to robotic controlled processes. Students have also the opportunity to get themselves enrolled for this programme in both self-paced and instructor driven learning mode. Manav Rachna is geared up to offer a high quality learning experience in RPA domain with the UiPath Academic Alliance Programme.





#### 5.4.4 GITHUB MoU:

Manav Rachna is glad to partner with GitHub. Under the GitHub campus program, student and faculty members get a package of technical tools, training and support for growing technical communities in Manav Rachna Campus. Manav Rachna International Institute of Research and Studies has got access to GitHub Enterprise server which is used in various technical



departments of the University. Teacher trainings are being conducted to master GitHub fundamentals under campus advisor program.

#### 5.4.5 Scratch Olympiad 2021:

Manav Rachna was the partner of the Indian National Stage of the International Scratch Creative Programming Olympiad 2021. Scratch is a visual event-driven programming environment designed for children and adolescents, while at the same time finding millions of adult fans. Scratch is the door to the world of "big programming" and the Olympiad brings together the most talented future developers and innovators.

Students from 7 years old and adults from different parts of India were participants in the Indian national selection stage of the Scratch Olympiad 2021.



#### 5.4.6 Incubate IND:

Manav Rachna brings forth a Hands-On Session on SparkAR with Tanisha Rana from Incubate IND. Spark AR Labs is an initiative by Facebook to enhance the skills of Spark AR creators by providing hands-on training and workshops over the next couple of months. To kickstart the Spark AR Labs program, IncubateIND is happy to partner with Facebook to support the new Spark AR Creators via a course of 3 weeks, helping them implement those skills in the real-time AR Effect Hackathon Challenge.







## HANDS-ON SESSION ON SPARKAR



**Tanisha Rana**  
IncubateIND

**17<sup>th</sup> June 2021 (02:00 PM - 04:00 PM)**

REGISTER NOW

[incubateind.com/hack/sparkarlabs](https://incubateind.com/hack/sparkarlabs)



#### 5.4.7 Nvidia Grant:



MRIIRS project has been selected by NVIDIA under NVIDIA Academic Hardware Grant Program. MRIIRS project submitted by Manav Rachna Innovation and Incubation Centre for establishment of Centre of Excellence in AI & IoT has been selected by NVIDIA under which NVIDIA has donated 20 Kits of Jetson Nano board to Manav Rachna International Institute of Research and Studies to support

the exciting Teaching/Curriculum Development. This also enables students to be a part of the NVIDIA Developer program which gives free access to SDKs, NVIDIA On-Demand, self-paced training, community forums, and exclusive early access programs.

The NVIDIA® Jetson Nano™ 2GB Developer Kit is ideal for teaching, learning, and developing AI and robotics. It delivers incredible AI performance at a low price and makes the world of AI and robotics accessible to everyone with the exact same software and tools used to create breakthrough AI products across all industries.

#### 5.4.8 IICDC:

The India Innovation Challenge Design Contest (IICDC) 2019, launched by Texas Instruments India in association with the Department of Science and Technology and Indian Institute of Management Bangalore has provided young tech entrepreneurs with an ecosystem and support to nurture their entrepreneurial spirit. It was an excellent opportunity to leverage their talent and convert their innovation to a startup. Following set of Awards and Recognition were provided to the winning teams:

- INR 20 Lac seed fund to top 10 startups
- INR 5 Lac product development fund to select semi-finalist teams
- INR 30K stipend to select Semifinalist teams & many more.

#### 5.4.9 Workshop on Front End Web Technologies – HTML and CSS held on 19th Jan 2022 and 20th Jan 2022

**Day-1:** A workshop on Front End Web Technologies – HTML and CSS was organised by MRIIC on 20th January, 2022 and conducted by Dr. Umesh Dutta (Director, MRIIC) and Ms. Ina Singh. Students of Computer Science Engineering, Computer Science Specialization (Cloud Computing), Computer Science Specialization (Cyber Security) and Electronics and Communication Engineering attended the workshop. The session started with a discussion on Front End Web Technologies and their importance in easing user interaction and convenience of use. The session progressed with the rising relevance of frameworks that provide enhanced design capabilities within a specific time frame. The hands-on part started right after introducing the Bootstrap framework and students coded along and developed their

own one-page front-end website with all relevant sections. The students were familiarised with the concept of CDNs (Content Delivery Networks) and how to incorporate them in websites. This enabled them to use the predefined styling in bootstrap simply by using the class names associated with them. The concept of using 'div' was introduced along with styling it as a container. Elements like buttons, input boxes, forms and images were placed in it and styled according to students' designs. The websites were designed containing sections of navbar, carousel, newsletter and footer. All these elements were individually worked upon and each detail was studied in detail. A special emphasis was given on the use of colours and styles. Special stress was laid on using components that are responsive in nature owing to the variety of sizes of digital devices. The students perceived this session as a great resource and considered it a great skill to add to their resume. They looked forward to more such sessions in future. Further sessions may also work upon integrating front-end web technologies with back-end technologies.





19th January, 2022  
Workshop

# FRONT END WEB ECHNOLOGIES

**WWW.MRIIC.TECH**

Venue : AS 216 MRIIC LAB  
Time : 10:00 AM - 4:00 PM







**Day 2:** On day 2 the session was conducted for the Students of Computer Engineering, Computer Science Specialization (Cloud Computing), Computer Science Specialization (Cyber Security) and Electronics and Communication Engineering attended the workshop.

The session was held in a completely hands-on manner. It started with an introduction to Front End Technologies and their utility in the digital age. The focus was on two technologies: Hyper Text Markup Language (HTML) and Cascading Style Sheet (CSS). The students were guided on how to make a front-end web page using HTML boilerplate code in the VS code environment and introduced to the various elements that could be present on the page. The basic tags of an HTML page were discussed like html, head and body and what can be contained within each. The elements like headings, paragraphs, buttons, inputs, forms, anchors and images were elaborated upon and discussed in detail with additional functionality. After adding elements, their placements were worked upon and then the task of their styling was undertaken using CSS. The three different styles: inline CSS, using <style> tag as well as in a separate file app. css were tackled in the workshop.

Students were appreciative of the opportunity to learn these skills and were able to design a theme-based one page front-end website with the skills taught during the workshop. Future workshops involving use of Frameworks for Front End Design were also planned based on student interest.

#### **5.4.10 Toycathon Physical Edition (May 24 -26,2022)**

Manav Rachna International Institute of Research and Studies was selected as a Nodal Centre by Ministry of Education's Innovation Cell & AICTE for hosting Toycathon 2022 physical edition organized jointly by the Ministry of Education in coordination with five other Ministries viz: Ministry of Women & Child Development, Ministry of Information & Broadcasting, Ministry of Commerce & Industry, Ministry of Micro, Small and Medium Enterprises, and Ministry of Textiles. The event kick-started on 24th May with the inaugural address given to all 5 nodal centers from AICTE headquarters by senior officials of AICTE and MIC.

Toycathon focuses on conceptualizing new and innovative toys using local materials which are economical, affordable, safe, environment friendly, with exceptional high quality for both Indian and global markets. Toycathon was a continuous 36 hours event which saw the gracious presence of senior officials of AICTE, MIC and Manav Rachna at the nodal center for interacting with the students and encouraging them to put the best possible efforts for converting their toy ideas into working prototypes. Prof. Rajive Kumar, Member Secretary AICTE; Dr. Mohit Gambhir, Director MIC; Shri Girish Kumar Bhasin, Senior Account Officer AICTE; Shri Yogesh Wadhawan, Accounts Officer AICTE; Dr. Sanjay Srivastava (VC-MRIIRS); Shri R.K Arora (Registrar MRIIRS); Lt. Gen. (Retd.) R.K. Anand and Dr. Pardeep Kumar, Pro Vice Chancellor and Dean FET, graced the Toycathon event with their physical presence at Manav Rachna. Manav Rachna was the only nodal center who has been given the responsibility of hosting students of Track 1 which included students from PAN India schools from grade VIII till grade XII.

The two day event was concluded with a valedictory ceremony, graced by the Chief Guest Dr. Mohit Gambhir, Director of Ministry of Education, Innovation Cell, Dr. Pardeep Kumar, Pro Vice Chancellor and Dean FET, Dr. Geeta Nijhawan, Associate Dean, FET along with them, Mr. Sarim Moin, Mr. Nitin and Mr. Sourabh from the Ministry of Education Innovation Cell, Dr. Umesh Dutta, Director, MRIIC, and other senior representatives.



There were 34 teams from all over India, who brought innovation and structure with scientific temper. Seven teams won for their innovative idea, representation of Indian heritage and dawning with technological progression. In addition to that Manav Rachna has also awarded Appreciation awards to four teams for their creativity and out of the box thinking.



Team Tatva, Toycoon, Toyscope, Stickathi, Knowledge Hub, Spell Wizard, Untold Stories, all hailing from different regions like Tamil Nadu, Haryana, Punjab, Odisha, Kerala emerged as winners. The 7 teams along with certificates of merit won 25 thousand rupees each.





### Toycathon Physical Edition









## 5.5 Manav Rachna International Institute of Research & Studies Alumni Association

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.

**Newsletter:** To reconnect, reminisce and reignite the bond with the alma mater newsletter was launched with latest news and updates about the University.

**Utkrisht:** This alumni book was launched which had inspiring success stories and achievements of the alumni. It comprised stories of 25 alumni and special mention of 25 alumni.

**Alumni Tab:** It is a virtual space on the MRIIRS website where alumni can thrive, connect and contribute to the legacy of the institution.

**Alumni Helpdesk:** It is a one stop destination for resolving queries, offering guidance and ensuring a seamless alumni experience. More than 100+ queries resolved till date.

Number of Alumni Events Conducted from July 1 <sup>st</sup> , 2021 to June 30 <sup>th</sup> , 2022		
S. No.	Faculty	No. of Events Conducted
1	FET	4
2	FAHS	1
3	FMeH	2
4	Central Level	6
	<b>Total</b>	<b>13</b>

## 5.6 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 time 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 stakeholders 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"> <li>✓ Few broad categories under the cell:</li> <li>✓ Classroom Experience</li> <li>✓ Administrative / Attendance Recording Procedure</li> <li>✓ Concerns about Grades or other Academic Assessments</li> <li>✓ Specific Curricular issues</li> <li>✓ Criteria of Evaluation under the Program</li> <li>✓ Faculty member's actions that seem not to be consistent with the highest ideals of our community</li> <li>✓ Re-application for the Examination</li> <li>✓ 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.</li> </ul>
5.	Financial Requests	<p>The unit caters to the Centralized &amp; Decentralized Finance Facilities that provide assistance in fee Collection, Estate, Student Welfare, Housing facility fee, Board of Sports, Revaluation fee, Examination fee &amp; others. Students can reach out to us for</p> <ul style="list-style-type: none"> <li>✓ Student Education Loan Facility.</li> <li>✓ Delay in Fee submission.</li> <li>✓ Student Fee Concession (Dealt on a case-to-case basis)</li> <li>✓ Rebates / Grant for specific purposes</li> </ul>



6.	Housing Facilities	<p>A few broad areas for which the SFC office can be reached are:</p> <ul style="list-style-type: none"> <li>✓ Shared Living</li> <li>✓ Cleanliness, Health &amp; Feminine Hygiene</li> <li>✓ Dining</li> <li>✓ General Services and Laundry facilities</li> <li>✓ Security</li> </ul> <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 '<i>Student Facilitation Centre</i>' for any assistance in the following areas of the examination:</p> <ul style="list-style-type: none"> <li>✓ Revaluation and Verification of Marks</li> <li>✓ Reassessment of Answer Books</li> <li>✓ Academic Grievances</li> <li>✓ Administrative Grievances</li> <li>✓ Supplementary Examinations</li> </ul>
8.	General Queries	<p>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.</p>
9.	Campus Tours	<p>The Admissions Facilitation Centre organizes Campus tours to acquaint the parents &amp; 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](mailto: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. If the body is to perform its functions properly and efficiently its heart must be strong and efficient in its functioning. A well-equipped Library is an icon of quality education in its supreme form. This philosophy truly reflects @ Dr. O.P. Bhalla Central Library, MRIIRS offers a network of libraries and information centre for academics, learning and research pursuits.

The Library added 787 volumes of print books during AY 2021-22 and subscribed 12 online databases namely ASME, ASCE, J-Gate Engineering and Technology, J-Gate Social Science and Management, Ebsco DOSS, Ebsco Academic eBooks Collection, Ebsco Art and Architecture, Ebsco business source elite, Anti-plagiarism Software Turnitin & Urkund/Original, Mapmy access for remote access to the library e-Resources, SPSS Analysis Tool and institutional membership of digital consortia and professional bodies like Developing Library Network (DELNET), and INFLIBNET and National Digital Library of India (NDLI).

**The collection detail of the Library is as below:**

Print Books	1,20,799 Volumes, Titles 23173
E-Books	2,30817
Print Journals and Magazines	184
E-Journals	63462
Online Databases	12
E-Readers – Kindles	16
CDs and DVDs	4256
Project Reports	3065
Bound Journals	1272
Theses	185
Library Portal	<a href="https://mriirs.edu.in/international-institute-of-research-and-studies/central-library/">https://mriirs.edu.in/international-institute-of-research-and-studies/central-library/</a>
Library Online Catalog	<a href="http://mriirs.bestbookbuddies.com/">http://mriirs.bestbookbuddies.com/</a>
Remote Access to the Library Resources	<a href="https://mriirs.mapmyaccess.com/">https://mriirs.mapmyaccess.com/</a>
Library Management Software	KOHA – Open-Source Software

Strengthened the National Digital Library Initiative by promoting enrollment of ManavRachna Associates and Students to National Digital Library.



**Team-Library**

#### **Achievements: 2021-22:**

1. Paper titled "A Webometric Analysis of Institute of Management Technology and Birla Institute of Technology & Science Libraries Websites in Asia" published in UGC Listed Journal Library Herald. Vol.59 No.3, 260-271, September, 2021.
2. Dr. O P Bhalla Central Library organized One day Symposium on Role of INFLIBNET in Quality Control Processes of HEIs in collaboration with IQAC Cell on 31st December, 2021. Dr. J P Singh Joorel, Director INFLIBNET was the key note Speaker. Dr. K P Singh, Professor, DLIS, University was the Guest of Honor.
3. Dr. O P Bhalla Central Library organized One Day Workshop on "Open Source Library Software Koha and How library can transform lives" in collaboration with IQAC Cell on 26th March, 2022 for MRIIRS Faculty members. Mr. Sudhir Gandotra, CEO, BestBook Buddies was the Chief Guest and Keynote Speaker.
4. Book Titled "Remembering Late Dr. H Anil Kumar: A Distinguished Librarian, Scholar and A Visionary" released on 5th May, 2022 at KIIT University Bhubaneswar. Book Written by Dr. Rajesh Kumar and Dr. Rama Patnaik.
5. Presented a Paper titled "IMPLEMENTATION OF KOHA OPEN SOURCE LIBRARY MANAGEMENT SOFTWARE in Dr. O P Bhalla Central Library: A CASE STUDY" in International Conference on "Libraries of the Future: Emerging Trends" during May, 5-7, 2022 at KIIT, Bhubaneswar
6. Dr. O P Bhalla Central Library organized a One Day Awareness Program on "Total Quality Management in Library Services" in collaboration with IQAC Cell on 04th June, 2022 for MRIIRS Library Staff and Departmental Library Coordinators. Dr. Rajesh Kumar, University Librarian, MRIIRS was the Keynote Speaker.



## 6.2 IT Cell

MRIIRS has a dedicated Information and Communication Technology (ICT) Cell, which provides IT and Communication support to all the Faculties and Staff. The Cell plans, organizes & maintains all ICT equipment and campus wide networks for all the university departments / faculties. An in-house repair facility ensures that downtime is kept to the minimum. Indirectly, it contributes to optimal teaching learning process, besides ensuring a very high satisfaction level for the students and control on avoidable expenditures. MRIIRS has subscribed to Comprehensive Cloud based EMS from M/s Icloud Nxt, Pune that is a UMS (University Management System) which provides integrated solution to enhance and digitize the processes like Admissions, Transport, Hostel and students' academic life cycle management operations in the university. Students' attendance integrated with SMS and Email system, is used to inform parents / guardians about any default in attendance system of the pupil. The automation process includes online application for admission, conduction of assessment / admission test, preparation of merit list, allotment of batches and seats, collection of fee, etc. The process of ongoing need-based development on Campus Management System is planned for timetable, such as student's attendance, and administrative functions like HRMS, Payroll, Finance and Accounting, Purchase and Inventory, Facilities Management etc. Some of these modules are already in process and tested successfully. A blended Learning Management System ensures comprehensive academic support to the students in the form of study material consisting of lesson plans, class notes, assignments, stimulations, animations, assessment exercises etc.

This Year the University is emphasizing on "Swayam" and "MOOCS" implementation within the University. Central IT department is in the process of hosting an in-house web site which will provide all the information about the IT policies, acceptance of complaints and individuals will be able to see the status of their complaints. Moreover, this will have a facility of Micro-Blogging Site and will have departmental pages for broadcasting the departmental happenings. This will eventually bring an end to the need and the process of the mass mailing system.

**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 CCTV 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 Dispensary 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 Physiotherapy Department is also available. The services of a Medical Consultant can be availed during specified hours on all working days.

#### 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. 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 MRIIRS. The discounts can be availed by showing the ID card.

### 6.4 Sports Infrastructure

#### 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 Rijju, 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 Rijju 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 Sports Arena: Table Tennis



28.451031892244153,  
77.28755081337802



28.450942618105685,  
77.28914893832916

Entrance to Shooting Range



28.450942618105685,  
77.28914893832916

25m Shooting Range





### Indoor Sport Arena: Indoor Gymnasium



### Indoor Sports Arena: Billiards











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 Subway outlet and Hush Food court with multiple eatery options.









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 course has been introduced at UG Level with two credits Research Innovation Catalyst (RIC) for non-Engineering Students and Design Thinking and Innovation (DTI) for 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 embrace such culture of open knowledge discussion and this practice is vital in giving direction to the 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 in order 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 1.51 crore has been received during 2021-22 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)	Duration of the project
Co-solving water logging and groundwater depletion issue in parts of Faridabad Smart City using Underground Taming of Flood water for Aquifer Storage and Recovery	Arunangshu Mukherjee, Nidhi Didwania, Prntam Paritosh Paul	DST, Ministry of Science & Technology, GOI	Government	Biotechnology	15.47	36 months
Entrepreneurship Development Institute of India (EDII), through NSTEDB, DST, GOI	Monika Goel, Bindu Agarwal & Mr. Karan	Entrepreneurship Development Institute of India (EDII), through NSTEDB, DST, GOI	Government	Commerce	60	60 months
Antecedents Leading To Capacity Building Of Women Entrepreneurs In Delhi, NCR	Meghna Chhabra	ICSSR-IMPRESS Project	Government	Management	9	24 months
An Exploratory study of Ashapurna Devi and Suchitra Bhattacharya: Narratives of Resistance and Re-Assertion	Shivani Vashist	ICSSR, New Delhi	Government	English	0.92	12 months
Elderly Care Framework in Contemporary India: Socio-Demographic, Entrepreneurial and Policy Implications	Amit Seth, Manmeet Bali Nag, Anandjit Goswami, Anika Magan	ICSSR, New Delhi	Government	Management	4	24 months
Retrofit of Foundation of an Existing Structure	Sunita Bansal	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Civil Engineering	1.73	24 months
Development of Water Quality Index	Sadiqa Abbas	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Civil Engineering	1.33	24 months
Development of Air Quality Index	Sadiqa Abbas	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Civil Engineering	0.78	12 months
Design of Viaduct for elevated Metro Rail	Sunita Bansal	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Civil Engineering	1.5	12 months
Balance of Lanes Impacting Traffic Operation in Merging Area of AIMS Flyover, New Delhi	Anjali Gupta	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Civil Engineering	1.75	18 months
Parametric Evaluation of Fibre reinforced concrete towards sustainable approach by using Taguchi's Method	Yaman Hsoda	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Civil Engineering	1.35	10 months



Experimental Study on the optimum design and performance of porous concrete	Haobam Derit Singh	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Civil Engineering	1.68	16 months
Feasibility Study on utilization of construction and demolition waste in road works	Anjali Gupta	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Civil Engineering	1.1	16 months
Durable and Strength Parameters of Sustainable Graphene Concrete	Yaman Hooda	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Civil Engineering	0.82	16 months
Mitigation Strategies for Urban Heat Island in Indian Context	Haobam Derit Singh	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Civil Engineering	0.35	6 months
Smart Dustbin Management System	Tapas Kumar	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Computer Engineering	0.56	8 months
Early Land sliding Detection System using Artificial Intelligence	Poonam Tanwar	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Computer Engineering	1.6	16 months
Development of Publication explorer using Cloud Computing	Indu Kashyap	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Computer Engineering	0.46	6 months
Development of mentoring portal using Artificial Intelligence.	Shweta Mongia	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Computer Engineering	0.4	6 months
Connecting People using AI based music Genre classification system	Nitasha Soni	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Computer Engineering	0.55	8 months
Study of Industrial Noise Pollution	Devi Singh	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Applied Sciences	0.48	6 months
Synthesis of materials for water treatment	Jyoti Chawla	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Applied Sciences	1.29	12 months
Computational modeling for Diabetes Mellitus and control strategies	Deepak Kumar	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Applied Sciences	0.56	6 months
Development of dye sensitized solar cells based on green materials	Sarvesh Kumar	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Applied Sciences	0.93	10 months
Choice Support System for the Selection of Diamond Among Various Brands	Vijay Kumar	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Applied Sciences	0.78	14 months
Competitor analysis for digital presence	Priyanka Singh	Hare Krishna International Limited	Non-Government	Management	0.5	6 months
Social media marketing plan for creating awareness	Shilpa Arora	Hare Krishna International Limited	Non-Government	Management	0.35	6 months
Creating online presence with help of Digital marketing	Amandeep Dhaliwal	Hare Krishna International Limited	Non-Government	Management	0.47	6 months

Use of Social Media for increased Brand Awareness	Priyanka Singh	Hare Krishna International Limited	Non-Government	Management	0.23	6 months
Assessing market potential through market research	Meghna Chhabra	Hare Krishna International Limited	Non-Government	Management	0.48	6 months
Market Research and competitive analysis	Meghna Chhabra	Hare Krishna International Limited	Non-Government	Management	0.85	12 months
Distribution channel development for market penetration	Gautam Srivastava	Hare Krishna International Limited	Non-Government	Management	0.51	12 months
A study on AI based Staffing solution in Private University System	Anindita Chatterjee Rao	Hare Krishna International Limited	Non-Government	Management	0.43	6 months
Talent Management in IT industry 2022	Farhat Mohsin	Hare Krishna International Limited	Non-Government	Management	0.71	10 months
Role of Talent aggregators in gig economy in organized economy	Anindita Chatterjee Rao	Hare Krishna International Limited	Non-Government	Management	0.26	6 months
Global Trade Finance Ecosystem: Opportunities and Challenges for MSMEs in India	Surbhi Kapoor	Hare Krishna International Limited	Non-Government	Management	0.66	8 months
A study on Emerging Payment Systems post Covid pandemic across globe	Ridhi Khattar	Hare Krishna International Limited	Non-Government	Management	0.46	6 months
Women Empowerment and Microfinance- A study of Faridabad Region	Amit Seth	Hare Krishna International Limited	Non-Government	Business	0.3	6 months
Digitization and Impact of Fintech on Financial Services Sector	Narender Tanwar	Hare Krishna International Limited	Non-Government	Business	0.27	6 months
Impact of Covid 19 on Health Insurance sector in India	Anjali Singh	Hare Krishna International Limited	Non-Government	Business	0.4	6 months
A Comparative Study of Performance of Selected Mutual Funds in India	Bhavesh Prakash Joshi	Hare Krishna International Limited	Non-Government	Business	0.7	8 months
Impact of Covid 19 on SME Financing in Faridabad	Monika Goel	Hare Krishna International Limited	Non-Government	Commerce	0.55	6 months
Rising Inflation and Policy Response: 2021	Jayender Verma	Hare Krishna International Limited	Non-Government	Commerce	0.62	8 months
Capital Market: Asset Class forecast for 2022	Preeti Chhabra	Hare Krishna International Limited	Non-Government	Commerce	0.53	6 months
A study of Marketing Strategies of Systematic Investment Plans	Simran Kaur	Hare Krishna International Limited	Non-Government	Commerce	0.72	8 months
Fractionation of Bioactive Compounds from Ethanolic extracts of Medicinal Plant	Abhilasha Shourie	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Biotechnology	0.8	10months



Experimental Investigations of electrochemical discharge drilling on advanced engineering materials.	B K Bhuyan	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Mechanical Engineering	1.50	24 Months
Study of nanocoating and tribological aspects for composite materials.	Jimmy Mehta	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Mechanical Engineering	1	12 months
Parametric strength determination of steel fibre reinforced concrete	Yaman Hooda	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Civil Engineering	1.54	12 months
Assesment of Water Quality Index of Panhera Village	Sadiqa Abaas	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Civil Engineering	0.8	6 months
Traffic Monitoring System of Faridabad Smart City	Sonal Saluja	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Civil Engineering	0.75	6 months
Medical Decision Support System for Common Diseases in Remote/ Hilly Area using Fuzzy Methods	Vijay Kumar	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Applied Sciences	1.15	12 months
Removal of contaminants from wastewater by the use of polymers	Shagufta Jabin	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Applied Sciences	1.35	12 months
Design of power efficient flip flop in Nanometer technology	Geeta Nijhawan	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Electronics & Communication Engineering	0.73	8 months
Design and analysis of DGS based Fractal Antenna for meteorological satellites	Vimlesh Singh	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Electronics & Communication Engineering	0.78	9 months
Design of Novel fuzzy model for network selection in heterogenous networks	Pratima Manhas	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Electronics & Communication Engineering	0.55	7 months
Analysis of different load balancing algorithms in cloud computing environment	Poonam Nandal	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Computer Science Engineering	0.85	6 months
Enhancing behavioral dependency for rffective computing in software system	Deepa Bura	EGIS India Consulting Engineers Pvt Ltd	Non-Government	Computer Science Engineering	0.7	6 months
Biopesticid: Impact Assesment on Fungal Diseases of Tomato in Protected Cultivation	Nidhi Didwania	EC Blades Tools (P) Ltd	Non-Government	Biotechnology	1.24	12months
Design and Development of Abrasive Jet Machining of Metal Matrix Composites	Manoj Nayak	EC Blades Tools (P) Ltd	Non-Government	Mechanical Engineering	0.92	12Months
Investigation of properties of CNT reinforced copper matrix composite for thermal applications	Prabiek Mittal	EC Blades Tools (P) Ltd	Non-Government	Mechanical Engineering	0.86	12Months

Assessment of soil quality nearby Bandhwari landfill.	Arjali Gupta	EC Blades Tools (P) Ltd	Non-Government	Civil Engineering	0.9	8 months
Impact and fatigue wear analysis of biodegradable composite materials.	Nitin Waghmare	EC Blades Tools (P) Ltd	Non-Government	Automobile Engineering	0.85	8Months
Effect of irregularities in seismic behaviour of structures.	Haobam Derit	EC Blades Tools (P) Ltd	Non-Government	Civil Engineering	1	10 months
Vanadium dioxide films for smart windows	Kapil Gupta	EC Blades Tools (P) Ltd	Non-Government	Applied Sciences	0.8	12 months
Natural materials for removal of heavy metals from water	Rajeev Kumar	EC Blades Tools (P) Ltd	Non-Government	Applied Sciences	0.9	12 months
Removal of arsenic using green materials.	Jyoti Chawla	EC Blades Tools (P) Ltd	Non-Government	Applied Sciences	0.72	12 months
Performance evaluation of Microgrid with machine learning based PID controller	Jyoti Verma	EC Blades Tools (P) Ltd	Non-Government	Electronics & Communication Engineering	0.71	8 months
Adaptive clustering- An optimal solution to Hotspot issue in wireless sensor networks	Abhiruchi Passi	EC Blades Tools (P) Ltd	Non-Government	Electronics & Communication Engineering	0.75	10 months
Spoken word recognition system using packed-MFCC	RC Sahoo	EC Blades Tools (P) Ltd	Non-Government	Computer Science Engineering	0.8	6 months
Neuro Linguistic Programming Techniques Performance Analysis using Confusion matrix	Supriya Panda	EC Blades Tools (P) Ltd	Non-Government	Computer Science Engineering	0.5	6 months
Radical activity identification on social digital platform: A machine learning approach	Suresh Kumar	EC Blades Tools (P) Ltd	Non-Government	Computer Science Engineering	0.93	6 months
Role of Polyamines on different varieties of Lycopersicon esculentum under multiple stress conditions	Charu Rajpal	EC Blades Tools (P) Ltd	Non-Government	Biotechnology	0.76	12 months
Role of ratio analysis in predicting financial performance	Ridhi Khattar	EC Blades Tools (P) Ltd	Non-Government	Management	0.48	12 months
Managing HR through Talent Management Inventory	Swati Punjani	EC Blades Tools (P) Ltd	Non-Government	Management	0.78	12 months
Analysis of Market Potential for New Product Development	Gautam Srivastava	EC Blades Tools (P) Ltd	Non-Government	Management	0.61	12 months
Creating online visibility for Market awareness	Priyanka Singh	EC Blades Tools (P) Ltd	Non-Government	Management	0.63	12 months
Developing balanced scorecard for strategic management of HR	Anindita Chatterjee Rao	EC Blades Tools (P) Ltd	Non-Government	Management	0.57	12 months



Nutritional and sensory attributes of products development from Ashwagandha for Hypothyroidism	Priya Mishra	EC Blades Tools (P) Ltd	Non-Government	Nutrition and Dietetics	0.56	6 months
Impact of wheat grass based drink on the performance of athletes	Gurseen Rakhra	EC Blades Tools (P) Ltd	Non-Government	Nutrition and Dietetics	0.52	6 months
Impact of rice processing on resistant starch and Postprandial glucose levels	Madhvi Awasthi	EC Blades Tools (P) Ltd	Non-Government	Nutrition and Dietetics	0.45	6 months
A Comparative digital occlusal analysis of conventional complete denture and single implant supported overdenture	Neha Jain & Harsimran Kaur	EC Blades Tools (P) Ltd	Non-Government	Dental Science	0.87	18 months
Development and Characterization of Nanoparticle coated guttapercha. An ex-vivo study	Alpa Gupta	EC Blades Tools (P) Ltd	Non-Government	Dental Science	0.94	24 months
To compare the effect of myokine release and petrissage on delayed onset muscle soreness	Sanjeev Gupta	EC Blades Tools (P) Ltd	Non-Government	Physiotherapy	0.68	12 months
Effect of core stability training on, dynamic stability and endurance in volleyball players	Shobhit Saxena	EC Blades Tools (P) Ltd	Non-Government	Physiotherapy	0.55	10 months
Effect of resistance training on central fatigue, muscle fitness and power in college students	Sneha Chakraverty	EC Blades Tools (P) Ltd	Non-Government	Physiotherapy	0.72	14 months

## 7.4 Consultancy

A Consultancy worth more than INR 299.53 lakhs was undertaken by faculty members of MRIIRS during AY 2021-22 for various projects including:

### Revenue generated from consultancy during the year 2021-22

Name of the consultant	Name of consultancy project	Consulting/Sponsoring agency with contact details	Revenue generated (INR in Lakhs)
Dr Dipankar Saha, Dr Sarita Sachdeva, Dr Arunangshu Mukherjee	Jal Jeevan Mission - SISA, Water Supply	PHED - Government of Haryana	11.51
Dr Dipankar Saha, Dr Sarita Sachdeva, Dr Arunangshu Mukherjee	Haryana Atal Bhujal Yagna Cluster-06 for District Faridabad, Rewari and Block Khol	IWRD- Government of Haryana	21.55
Dr Dipankar Saha, Dr Sarita Sachdeva, Dr Arunangshu Mukherjee	Haryana Atal Bhujal Yagna Cluster-07 for District Palwal Block Pahwal, Hassanpur, Hathin, Hodal	IWRD- Government of Haryana	35.99
Sarita Sachdeva, D K Chadha, A Mukherji	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	52.83
Dr Arunangshu Mukherjee, Director MRCAWTM, MRIIRS	Study for Rainwater harvesting around Iron ore mine of Dholta Pahar, Sundergarh, Odisha	World Consultancy Services, Bhubneshwar, Director, Pradeept Mohapatra, pradeept@theworld.co.in	0.33
Dr Arunangshu Mukherjee, Director MRCAWTM, MRIIRS	Study for Rainwater harvesting around Iron ore mine of Netrabandh Pahar, Sundergarh, Odisha	World Consultancy Services, Bhubneshwar, Director, Pradeept Mohapatra, pradeept@theworld.co.in	0.33
Dr Arunangshu Mukherjee, Director MRCAWTM, MRIIRS	Biodiversity study around Iron ore mine of Dholta Pahar, Sundergarh, Odisha	World Consultancy Services, Bhubneshwar, Director, Pradeept Mohapatra, pradeept@theworld.co.in	0.33
Dr Arunangshu Mukherjee, Director MRCAWTM, MRIIRS	Impact assessment of underground mining of Manganese on GW in and around Miragpur, MP.	M/s D P Rai, Nanhka, Ramdaspat, Nagpur, dprai.mines@gmail.com	2



Dr Arunangshu Mukherjee, Director MRCAWTM, MRIIRS	Impact assessment of underground mining of Manganese on GW in and around Pandarwani, MP.	M/s D P Rai, Nanhka, Ramdaspat, Nagpur, dprai.mines@gmail.com	2
Monika Goel	Learning and Training Interventions	Ernst and Young LLP, Golf View Corporate Tower-B, Sector-42, Sector Road, Gurugram, 122002	24.8
Anandita Chatterjee Rao	Background Verification Process for Recruitment	Royal Buildmart Pvt. Ltd, B-464, Gate no-4, Green Field Colony, Faridabad, 121010, Haryana	0.3
Arun Deep Singh	Dental Consultancy in OPD	OPD Patients from Faridabad District and nearby areas	106.02
Shruti Jain, Brijesh Kumar	Architectural, Interior Design and Computer Networking layout of Wellness Centre at GSSS M.GARH	Dr. O.P. Bhalla Foundation	0.7
Ashish Grover, Suresh Kumar	Design of Electrical and Computer Networking Layout of Computer Centre at GSSS SEC 4/7, Gurgaon	Dr. O.P. Bhalla Foundation	0.6
Shruti Jain, Brijesh Kumar	Architectural, Interior Design and Computer Networking layout of Wellness Centre at GMSSS (SARTHAK) SEC 12 A Panchkula	Dr. O.P. Bhalla Foundation	0.7
Shruti Jain, Brijesh Kumar	Architectural, Interior Design and Computer Networking layout of Wellness Centre at GDSSS Bahadurgarh	Dr. O.P. Bhalla Foundation	0.7
Shruti Jain, Brijesh Kumar	Architectural, Interior Design and Computer Networking layout of Wellness Centre at GGSSS NIT NO.01 Faridabad	Dr. O.P. Bhalla Foundation	0.6
Dr. Ashish Grover, Dr Suresh Kumar	Design of Electrical and Computer Networking Layout of Computer Centre at GGSSS, Alawalpur, Palwal	Dr. O.P. Bhalla Foundation	0.6

Shruti Jain, Brijesh Kumar	Architectural, Interior Design and Computer Networking layout of Wellness Centre at GMSSS in Applied Learning Skills, Sec 28 Faridabad	Dr. O.P. Bhalla Foundation	0.6
Shruti Jain, Brijesh Kumar	Architectural, Interior Design and Computer Networking layout of Wellness Centre at GSSS CARTERPURI Gurgaon	Dr. O.P. Bhalla Foundation	0.6
Shruti Jain, Brijesh Kumar	Architectural, Interior Design and Computer Networking layout of Wellness Centre at GGSSS Baraut, Kurukshetra	Dr. O.P. Bhalla Foundation	0.7
Shruti Jain, Brijesh Kumar	Architectural, Interior Design and Computer Networking layout of Wellness Centre at GGSSS Baraut, Kurukshetra	Dr. O.P. Bhalla Foundation	0.7
Shruti Jain, Brijesh Kumar	Architectural, Interior Design and Computer Networking layout of Wellness Centre at GSSS, Jhanj Kalan, Jind	Dr. O.P. Bhalla Foundation	0.7
Ashish Grover, Suresh Kumar	Design of Electrical and Computer Networking Layout of Computer Centre at GSSS GSSS, Kasan, Gurgaon	Dr. O.P. Bhalla Foundation	0.6
Ashish Grover, Suresh Kumar	Design of Electrical and Computer Networking Layout of Computer Centre at GGSSS NIT. 05, Faridabad	Dr. O.P. Bhalla Foundation	0.6
Ashish Grover, Suresh Kumar	Design of Electrical and Computer Networking Layout of Computer Centre at GSSS, Alawalpur, Palwal	Dr. O.P. Bhalla Foundation	0.6
Nitesh Malhotra, Ankita Sharma	Sports Physiotherapy and Rehabilitation towards Injury Management	Kho-Kho Federation of India, B1 Basement, Dhawandeep Building-6, Jantar Mantar Road, New Delhi, 110001	20
Divya Sanghi and Team	Sports and individual specific nutritional guidance	Kho-Kho Federation of India, B1 Basement, Dhawandeep Building-6, Jantar Mantar Road, New Delhi, 110001	
Jayant Sundaresan	Stress Management and Holistic Development	Kho-Kho Federation of India, B1 Basement, Dhawandeep Building-6, Jantar Mantar Road, New Delhi, 110001	



### Revenue generated from corporate training during the year 2021-22

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
Ridhi Khattar	Leadership and Team Building	Maruti Suzuki Ltd. No Rz 123, Vaishali, Palam Dabri Marg, Dwarka, Delhi 110045	30000	11
Stuti Sahani	Leadership and Team Building	Escorts Construction Equipment SEC 13, Faridabad, Haryana 121001	30000	12
Priyanka Singh	Leadership and Team Building	IIFL Wealth Management GYS Platinum, D-3, Saket District Center, New Delhi, Delhi 110017	30000	11
Gautam Srivastava	Leadership and Team Building	TCS, Noida, 20 & 21, Noida-Greater Noida Expressway, Near Infospace, Sector 135, Noida, Uttar Pradesh 201304	30000	10
Anindita Chattarjee Rao	Leadership and Team Building	JCB India Limited, 23/7, Mathura Rd, Ballabgarh, Faridabad, Haryana 121004 ~15.3 km	30000	11
Farhat Mohsin	Leadership and Team Building	Sarvodaya Hospital, Sec-19, Gopi Colony Old Faridabad, Faridabad, Haryana 121002	30000	11
Ridhi Khattar	Leadership and Team Building	Honda Car, Sector 41 Road, Sector 41, Noida, Uttar Pradesh 201306	30000	9
Gautam Srivastava	Leadership and Team Building	Hero MotoCorp, 501/2, Mehrauli Road, Gurugram, Haryana 122001	30000	10
Ridhi Khattar	Leadership and Team Building	NHPC Ltd Corporate Communication, Old Shershah Suri Road, Near National Power Training Institute, Sector 33, Faridabad, Haryana 121001	30000	13
Farhat Mohsin	Leadership and Team Building	Action Construction Equipment Limited, 378, Sector 15, Faridabad, Haryana 121007	30000	9

Gautam Srivastava	Leadership and Team Building	Honda Motorcycle, Commercial Complex II, Golf Course Extension Road, Nirvana Country, Sector 49, Gurugram, Haryana 122101	30000	9
Ridhi Khattar	Leadership and Team Building	National Highways Authority of India, D 70 Sector, V I I Dwarka, Delhi 110045	30000	11
Farhat Mohsin	Leadership and Team Building	KPMG, Vishwakarma Road, Near Shree Shani Mandir, DLF Phase 3, Sector 24, Gurugram, Haryana 122010	30000	9
Anindita Chattarjee Rao	Leadership and Team Building	Indian Oil (R&D), Ground Floor, Kunj Road, Sehatpur, Kheri Kalindi, Amarnagar, Faridabad, Haryana 121003	30000	12
Farhat Mohsin	Leadership and Team Building	Knorr-Bremse, 51 Mathura Road, 4 KM Stone, Palwal, Haryana 121102	30000	10
Gautam Srivastava	Leadership and Team Building	Dabur, D.R. Barman Marg, Near Rose Garden, Ram Nagar, Kaushambi, Noida, Uttar Pradesh 201010	30000	9
Anindita Chattarjee Rao	Leadership and Team Building	Accord Superspeciality Hospital, Sector 86, Faridabad, Haryana 121002	30000	9
Anindita Chattarjee Rao	Leadership and Team Building	Gates India Private Limited, 3rd Floor, Building No 10, Tower C, DLF Cyber City, Phase II, Gurugram, Haryana 122002	30000	10
Ridhi Khattar	Leadership and Team Building	SEC-RJMT Engineering Private Limited, Plot No 1a, Unit No 11, G.f, Gali No 2, Piyala Road, Seekri, Ballabgarh, Faridabad, Haryana 121004	30000	9
Anita Khosla	AMIE Section-B Practical Training & Evaluation Summer Session	Associate Member of Institution of Engineers.(AMIE) by Institution of Engineers(INDIA)	684000	190



## 7.5 Research Incubator

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. Since its launch at 2016, Research Incubator programme remains thoroughly focused and dedicated towards yielding several path-breaking research and innovation activities.

## 7.6 Business Incubator

Manav Rachna Business Incubator (MRBI) is nurturing and overseeing innovation and entrepreneurship at Manav Rachna Campus. With a rich tradition of incubation through bodies such as the New Gen Innovation and Entrepreneurship Development Centre has also pioneered innovation with groups such as the E-cell, MRBI will leverage these experiences and give entrepreneurship a stronger push as well as serve to coordinate and promote innovation-driven activities at the institute. 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. Several startups have been incubated last year. Some of the notable incubated startups of Manav Rachna students under the banner of MRBI, are given below:

**1. 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). (Matured and Exited)





**2. 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.

**3. 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.

#### **4. 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.







**Eighteen new start-ups have been funded and are already in place under New Gen IEDC Funding Scheme. The list mentioned below:**

Incubation Centre	Team Members	Sponsored By	Name of the Start-up	Nature of the Start-ups	Date of the Start-up
NewGen IEDC Manav Rachna	Muskan	NSTEDB, DST	Eat Me	Food and Sciences	7/6/2021
NewGen IEDC Manav Rachna	Vanshika Mittal, Anshita Singla	NSTEDB, DST	Soil Health Monitor	Electrical	7/6/2021
NewGen IEDC Manav Rachna	Pranab Pradhan, Mohit Sharma	NSTEDB, DST	Gymmi	It	15-07-2021
NewGen IEDC Manav Rachna	Sudhanshu Jha, Joy	NSTEDB, DST	Stallion	Electronic	15-07-2021
NewGen IEDC Manav Rachna	Ayush, Divyanshi	NSTEDB, DST	DNA Adda	It	15-07-2021
NewGen IEDC Manav Rachna	Sonakshi Mittal, Kechane Apon	NSTEDB, DST	Poshan Twigs	Food And Sciences	15-07-2021
NewGen IEDC Manav Rachna	Aman	NSTEDB, DST	MyGarage	Saas	29-09-2021
NewGen IEDC Manav Rachna	Muskan, Priyanka, Kavita	NSTEDB, DST	Bacteriocin	Biotechnology	29-09-2021
NewGen IEDC Manav Rachna	Vikas, Sarthak	NSTEDB, DST	Innominate(Logicyard Pvt Ltd)	It	21-10-2021
NewGen IEDC Manav Rachna	Sumit yadav, Gautam Kumar	NSTEDB, DST	EVX	Electronic	21-10-2021
NewGen IEDC Manav Rachna	Gautam Yadav	NSTEDB, DST	Gen Stark Object Identifier	Electronic	11/2/2022
NewGen IEDC Manav Rachna	Priya Kapur, Dogga Shyam Sai Prasad	NSTEDB, DST	Ultra Fast EV Charger	Electronic	16-03-2022
NewGen IEDC Manav Rachna	Pawan, Ashutosh	NSTEDB, DST	Trufit Kitchen	Electronic	14-04-2022
NewGen IEDC Manav Rachna	Adiya	NSTEDB, DST	Chitrabhoomi	Podcast and Comic	12/5/2022
NewGen IEDC Manav Rachna	Rahul Saini	NSTEDB, DST	FMDV	Biotechnology	8/6/2022
NewGen IEDC Manav Rachna	Babita	NSTEDB, DST	Second life inning	Saas	19-07-2022
NewGen IEDC Manav Rachna	Shivam	NSTEDB, DST	Ratiram Limbs	Life Electronic	19-07-2022
NewGen IEDC Manav Rachna	Rakshit	NSTEDB, DST	Finntrust	Finance	12/8/2022



Number of start-ups incubated on campus Matured as Limited Liability Partnership				
Incubation Centre	Team Members	Sponsored By	Name of Start-up	Nature of Start-ups
MRIIC	Ayush Mohan, Kartik Rampal	Registered as Pvt. Ltd. Firm	M/s Tackyon Motors Sports Pvt. Ltd.	In design and development of Electric Scooter
MRIIC	Mr. Mohit Bahl, Mr. Manasvi Sihag	MRIIC	TechnoPlanet Labs Pvt Ltd	Setting up ATIs and providing STEAM trainings to school students.
MRIIC	Mr. Rakesh Sethi, Mr. Yugank Rastogi	MRIIC	Hyfn Games Pvt Ltd	Cross Platform Game Development and Virtual-reality project outsourcing.
MRIIC	Mr. B.S Gill, Mr. Amit Kumar, Ms. Prachin Sharma	MRIIC	Parimukh Innovations	Air Filtering Device
NewGen IEDC Manav Rachna	Mohit Dhariwal, Anshu Jha, Pranav Jha	DST, NSTEDB, GOI	Halestain Food Labs (Nature's Drop)	Natural and Healthy Beverage
NewGen IEDC Manav Rachna	Sunash Malik, Vaibhav Dagar, Yash Kaushik	DST, NSTEDB, GOI	Synsalus technoMed	Medical Data Management
Manav Rachna Business Incubator	Sahil Tanwar, Mukul Phogat	DST, NSTEDB, GOI	Thap Krida	Mobile Games developer

### 7.7 Patents Published/Granted during AY 2021-22

MRIIRS encourages its faculty members and students to file the patents in different fields. The details of Patents published/granted during the year 2021-22 are as follows:

Name of the Teacher	Patent Number	Title of the patent
Neeraj Kumari	2021103950	A Skill Matrix System and Method for Job Recruitment
Neeraj Kumari	2021103951	A System and Method for Strategic Consulting Group (SCG) Matrix
Meeta Singh, Poonam Nandal, Deepa Bura, Srishty	2021103320	A System and Method for Predicting Secure and Safe Route for Women Using Navigation Map
Mohit Chaudhary	2021102957	A System and Method for Predicting the Stock Market News Sentiments Using Machine Learning
Poonam Tanwar	2021101996	Nutrient Deficiency Stress Detection and Prediction in Corn Fields from Aerial Images Using Machine Learning.
Savita Sindhu	2021101069	Intelligent-Sim: Multiple Company Mobile Number Installed in Single Sim
Brijesh Kumar	2021100325	In-Bed Exercising and Monitoring Device
Brijesh Kumar	2020104395	Self-Sanitizing Attendance Recorder with Thermal Screening
Bhupinder Singh Gill, Victor Gambhir	1752/DEL/2012	Self-Back-Flushed Filter System for Water
Meeta Singh, Poonam Chahal, Deepa Bura	2020103648	Isp- Crime Site Analysis: Intelligent Method and Process of Performing Crime Site Analysis And Management System
Poonam Tanwar, Rashmi Rameshwari, Ms. Shweta Sharma	202111061914	Hand Sanitization Apparatus
Umesh Dutta, Dr Nitasha Soni, Anjali Gupta	202111061512	Digital Parking Ticket
Manoj Nayak, Suresh Kumar, Vimlesh Singh	202111061515	Smart Table
G L Khanna, Moattar Raza Rizvi, Dr Adhikarla Syama	202111061516	System And Method for Early Cardiovascular Risk Prediction and Risk Classification
Pradeep Kumar, Devendra Vashist, Leena G	202111061514	Border Surveillance System
Anita Khosla, Richa, Sadiqa Abbas	202111061517	Wind Energy Generator
G L Khanna, Puneet Batra, Amit Seth, Shilpa Arora, Kanchan Bhardwaj	202111061513	Health Monitoring System
Sabiha Imraan, Sarita Sachdeva, Jyoti Chawla	202111061510	Method For Development of Analytical Technique for Quantitative Analysis Of Antibiotic Residues



Sarita Sachdeva, Sunita Bansal	202111061511	System And Method of Gauging Effect of Quality Of Water On Concrete Structures
Sonal Bhugra, Yaman Hooda, Col.Sanjeev Gupta	202111061912	Unified Public Transportation System
Sonal Bhugra, Arko Bagchi, Jyoti Verma, Arvind Dalal	202111061913	Central Traffic Control System and Method
Devender Vashisht, Pankaj Shakkarwal, Sunny Bhatia	202111061911	Plug-In Hybrid Electric Vehicles Powered On- Wheel Medical Oxygen Generator for Covid-19 Patient
Nitesh Malhotra, Shishir Nigam	202111061916	Apparatus For an Anterior Cruciate Ligament (ACL) Reconstruction Procedure
Abhiruchi Passi, Ashish Grover	202111061915	Solar Time Synchronization System
Pradeep Kumar, Geeta Nijhawan, Supriya P Panda	202111061917	Artificial Intelligence Based Automatic Diagnostic System
Madhumita Kathuria, Parul Gandhi	202111055367	A Machine Learning Based System for Agricultural Products to Predict Quality And Method Thereof
Vinay, Sunny Bhatia, Nitin Waghmare	202111053278	Mechanized Retail Store Comprising 3D Printed Autonomous Home Delivery Drone
Neha Batra	202111046254A	A System for Monitoring Social Distance and Generating Alerts Using IoT
Indu Kashyap, Rachna Behl, Madhumita Kathuria	202111015819	A Data Mining System for Demonstration and Determination of Mixing Various Chemical Composition Publication
Priyanka Grover, Poonam Katyal, Neha Batra, Pinki Sagar, Indu Kashyap, Parul Gandhi	202111017848	An Image Processing Device and System for Screening of Medical Equipment
Pinki Sagar	202131017275	IoT Based System for Monitoring and Notification for Usage of Liquefied Petroleum Gas
Meghna Chhabra	20210179159	LSM Luggage Trolleys: Intelligent Shopping Mail Luggage Trolleys
Rachna Behl, Dr Indu Kashyap	202041047364	Enhanced Fingerprint Authentication System by Gabor Filter and Classification Dictionaries Learning
Anita Khosla, Ashish Grover, Richa Adlakha	202011045281	A System for Solar Radiation Estimation for Solar Based Power System and Method Thereof
Anita Khosla	202011043528	An Irrigation System with IoT Connectivity

Meeta Singh, Poonam Chahal, Deepa Bura, Srishty	202011040606	Smart Call Swapper for Portable Terminals
Anita Khosla, Geeta Nijhawan, Ashish Grover, Richa Adlakha	202011037563	An Apparatus for Identification and Classification of a Signal in Over the Air OTA System and Method Thereof
Poonam Tanwar	202031036679	A Novel Hybrid Renewable Power Platform to Harvests Wind, Solar and Water Current Power from Running Chanel
Rosy Madaan	202011019359	Electronic Vehicle Identification System
Swati Watts	202011015852	Automatic Sanitized the Elevator Key Inside Outside Surface and Air
Rosy Madaan, Surbhi Bhatia, Rashima Mahajan,	326252-001	Goggle With Speed Indication
Rashima Mahajan	202241012972	Employing of SoC Tracker for Rescuing and Supervising a Child in Case of Emergencies
Rashima Mahajan	202241021789	Trail Boost Performance Evaluation by Integration of IoT with Blockchain
Dhruv Rohatgi, Simran Choudhary, Siddharth Srivastava, Palak Gupta, Suresh Kumar	201911053353	Smart Bed for Pressure Ulcer Therapy
Prateek, Sorabh, Shailesh	201911023212	Filter Cum Stirrer Mechanism for Stir Casting of Composite
Gurpreet Singh Matharou, Ritesh Kumar Nagar	201911023214	External Handbrake with Mechanical Park Assist
Rosy Madaan	201941044768	The Remote Health Monitoring System with Wireless Sensors and IoT Through Multivariate Medical Data
Dhruv Rohatgi, Aayushi Aggarwal, Siddharth Srivastava, Palak Gupta	201911040293	Automated IoT Based Rapid Medicine Delivery System
Shaveta Bhatia	201911033647	Handheld Self Examine Brest Cancer
Y.K Awasthi	201911031519	Compact Planar Super Wideband Equal Power Divider / Combiner for Rf & Microwave Applications
Y.K Awasthi	201911031072	Microwave Sensing Device for Dielectric Characterization of Materials
Prachin Sharma, B.S Gill,	201811049916	A Method and Device to Augment Agricultural Produce Using Reflected Solar Energy
Amrinder Kaur	202211003534	IoT Based Speaker Reorganization System



Ashish Grover, Richa Adlakha, Sunita Joshi, Neerja Negi	202211008059	Intelligent Electricity Utilization Management System
Lakhvinder Kaur	202241001899	A novel method IoT based saline bottle for health care system
Lakhvinder Kaur	202211051812	Green Nanotechnology -An Advancement in Phyto formulation research
Nidhi Tandon	202241028618	Mediating Effect of Consumer Awareness and Perceived value of Consumers in between factors of Green Marketing Mix and Buying Behavior of Consumers using Structural Equation Modelling Algorithm
Nikita Tomar	202211011369A	A Novel Model 'Employees wellness for Employees turn over & Business turn over.'
Nikita Tomar	2021/10022	A method for implementation of donation-based crowd funding to support right to education
Sunita Joshi, Neerja Negi	202211002430	Machine Learning Analytics for specialized stock Trading
Usha Batra	202022101682	Sustainable Water Filtration System
Usha Batra	202022101022	An intelligent agricultural system for advanced agriculture
Richa Vijay Yadav, Aastha Budhiraja, Priyanka Sharma	202211058875	Behavioral detection of suspicious Host activities in an Enterprise using Deep learning
Richa Vijay Yadav	202241019567	Machine Learning Based Irrigation System Through Implementation the Plant Leaves Images to Enhance Agriculture Production
Parul Gandhi	2021104037	Intelligent Digital System Based on Machine Learning To Continuously Monitoring Driver Health Conditions
Neha Gupta, Rashmi Agrawal	202111039537	Smart Safety Bracelet
Parul Gandhi	202111059116	System And Method for Monitoring Water Quality of BIOFLOC Fish Culture
Sabiha Imran	201911023213	Isolation and Characterization of Broad Spectrum Bacteriocin Isolated from Bacteria Habituating Polluted Water
Deepti Dabbas Hazarika	2021105493	An Innovative Method for Increasing Value of Environment Friendly Products
Sarika Chaudhary	202111048985	Smart Monitor: Health Monitoring system using deep learning
Anjali Singh	202241000074	An Algorithm Based on Deep Learning for the Detection of COVID-19 Infections
Y K Awasthi, Gaurav Saxena, Priyanka Jain	202111011544	A Device for Electromagnetic Absorption and Navigation

## CHAPTER-8

### STUDENTS ACHIEVEMENTS AND ACTIVITIES

#### 8.1 Examination Results

The University has adopted semester-based study programmes and a credit system of evaluation for examination of all courses. The Programme wise result of final semester held in May 2022 is tabulated below:

Program Name	Number of students appeared in the final year examination	Number of students passed in the final year examination
B. Tech-Aeronautical Engineering	20	19
B. Tech-Automobile Engineering	15	15
B. Tech-Biotechnology	24	23
B. Tech-Civil Engineering	17	17
B. Tech-Computer Science and Engineering	208	203
B. Tech-Electronics and Communication Engineering	23	23
B. Tech-Electrical and Electronics Engineering	15	15
B. Tech-Mechanical Engineering	41	40
B.Sc.-Data Science	4	3
B.Sc.- (Hons.) Geology	1	1
M.Sc.-Applied Geology	1	1
M.Tech-Biotechnology	3	3
M.Tech-Civil Engineering	11	10
M.Tech-Automation and Robotics	5	5
M.Sc.-Biotechnology	12	12
M.Tech- Computer Engineering and Networking	2	2
M.Tech- Mechanical Engineering	2	2
Bachelor of Architecture (B.Arch.)	11	11



B.Sc.-Interior Design	23	19
M.Sc. - Interior Design	7	7
Bachelor of Visual Arts	3	3
Bachelor of Physiotherapy	72	72
B.Sc.-Nutrition and Dietetics	55	50
M.Sc.-Nutrition and Dietetics	43	37
Master of Physiotherapy	35	35
Bachelor of Computer Applications	69	55
Master of Computer Applications	55	54
B.Sc.-Information Technology	9	8
Bachelor of Business Administration- General	93	73
Bachelor of Business Administration- Banking and Financial Markets	32	28
Bachelor of Business Administration (Global) -International Business	12	12
B.Com (Hons)	90	74
M.Com	7	5
B.A.-Journalism and Mass Communication	58	43
B.A. (Hons)-English	46	43
M.A.-Journalism and Mass Communication	6	4
M.A.-English	11	9
Master of Business Administration	63	59
B.Sc.-Hospitality and Hotel Administration	33	28
B.A.-Liberal Arts	8	5
B.A (Hons).-Applied Psychology	48	46
M.A.-Applied Psychology	8	8
B.A. (Hons)-Economics	22	22
M.A.-Economics	5	5

## 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 support at every stage of the placement processes, down from arranging pre-placement talks, written tests, 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.

It engages with the industry and constantly strives for expanding the industry-academia Interface. The team plays an important role in shaping the careers of the students, down from their induction and orientation to the campus for initiating summer internships, mid-term projects, etc. and guiding them till their final placements and even after that.

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 Final year students who are interested in 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 the recruiting company.

Some of the eminent recruiters include TCS, Accenture, IBM, HCL Technologies, Coforge, Infogain, ADP India, Dunzo, Fidelity International Sonalika International Tractor, TATA Technologies, Honda Motorcycle, Yamaha Motor Solutions, British Telecom, KPMG, Indigo, Avizva, Nokia, Nagarro Software and the likes.

**Details of Department wise Placements for the Academic Year 2021-22 are tabulated below:**

### 1. Department of Management Studies:

S.NO	COMPANY NAME	FMS	Campus Type
1	Aarohan Healthcare	3	Virtual
2	ACC Limited	1	Virtual
3	Accenture	2	Virtual
4	A-Cube Business Solutions Pvt Ltd	1	Self Placed
5	ADP India Pvt. Ltd.	10	In Campus
6	AirBlack	1	Virtual
7	AK BANSAL & Co.	1	Self Placed
8	Alea International Consulting Pvt Ltd	1	Self Placed
9	ATS Infrastructure Ltd	1	Virtual
10	Bharti AXA	1	Self Placed



11	Codegenie Technology LLP	1	Self Placed
12	Data Trained Education pvt. Ltd.	1	Self Placed
13	Devdeep Industries	1	Self Placed
14	Edelweiss Wealth Management	3	Virtual
15	Eedumentor educational services pvt ltd	1	Self Placed
16	ESAF Small Finance Bank	2	Virtual
17	Height Promotion	2	Self Placed
18	Hike Education	1	Virtual
19	ID Tech Solutions Pvt. Ltd.	1	Self Placed
20	India Mart	1	Self Placed
21	IndiGo	3	off Campus
22	Ingenious Life sciences Pvt. Ltd	1	Self Placed
23	Intellipaath	1	Virtual
24	IoTFY	1	Self Placed
25	ITC Limited	1	Virtual
26	KEI Industries Limited	1	Off Campus
27	KPMG	1	Self Placed
28	Madhyam	1	Self Placed
29	MotilalOswal Financial Services Ltd.	1	Self Placed
30	NTT Data Services	5	Virtual
31	OneBanc Technologies	1	Self Placed
32	R.K. Associates	1	Off Campus
33	Sarvodaya Hospital	2	Virtual
34	SAVINO DELL BENE FREIGHT FORWARDERS	1	Self Placed
35	Spicejet Ltd	1	Self Placed
36	Square Yards	1	Self Placed
37	SRVA Education	4	Virtual
38	System Electrical Construction Company	1	Self Placed
39	TATA 1mg	1	Self Placed
40	Tech Mahindra	1	Self Placed
41	Teleperformance	1	Self Placed
42	Webghat	1	Self Placed
43	XL India Business Services	1	Self Placed
44	Higher Studies	3	
45	Entrepreneurship	5	
	Total	77	

## 2. Faculty of Allied Health Sciences:

S.NO	COMPANY NAME	FMS	Campus Type
1	AAFT E Learn Pvt. Ltd.	1	Self Placed
2	Abhinav Futuristics Private Limited	1	Self Placed
3	Activhealth (Advanced Physiotherapy & Rehabilitation)	1	Self Placed
4	AmeriHealth Homecare	1	Self Placed
5	Axia Health Assist Private Limited	1	Self Placed
6	CB Physiotherapy Clinic	1	Self Placed
7	Doctors For You	1	Self Placed
8	<b>Dr. Shikha's Nutrihealth</b>	2	Off Campus
9	ESIC Medical College and Hospital	1	Self Placed
10	Healthians	18	Virtual
11	HealthifyMe	1	Self Placed
12	Hindustan wellness	1	Self Placed
13	IBS Hospital	2	Self Placed
14	Indraprastha Apollo Hospital	3	Self Placed
15	Innodata	4	Virtual
16	Kaushik Physio Clinic	2	Self Placed
17	Max Healthcare	2	Self Placed
18	Medanta Hospital	1	Self Placed
19	MS Physiotherapy Clinic	1	Self Placed
20	OPTUM	10	Self Placed
21	Physio Active Clinic	1	Self Placed
22	PhysWorld	1	Self Placed
23	Proactive Child Development Center	1	Self Placed
24	Qi Spine	3	Virtual
25	QRG Hospital	1	Self Placed
26	SANSKRITI UNIVERSITY	1	Self Placed
27	Sarvodaya Hospital	2	Virtual
28	SSB Heart And Multispecialty Hospital	1	Self Placed
29	Tata Steel Limited	2	Self Placed
30	The Physio Expert	1	Self Placed
31	Vestige	1	Self Placed
32	VIBES HEALTHCARE	1	Self Placed
33	Higher Studies	38	
34	Entrepreneurship	5	
	Total	114	



### 3. Faculty of Computer Applications

S.NO	COMPANY NAME	FCA	Campus Type
1	Accenture	2	Virtual
2	Airtel	1	Self Placed
3	AIS Business Solutions Pvt Ltd	1	Self Placed
4	Annalect India Pvt Ltd	1	Self Placed
5	Bhasin Estate & Construction	1	Self Placed
6	Bug Hunters	2	off Campus
7	Build with Innovation Pvt Ltd	1	Self Placed
8	Byju's	1	Virtual
9	Capgemini	2	Virtual
10	Cavisson India	1	Virtual
11	Collabera Digital	1	Self Placed
12	concentrix	1	Self Placed
13	Contec Global India Pvt Ltd	1	In Campus
14	Credo India Softech Private Limited	1	Self Placed
15	Deloitte	2	Virtual
16	Digital Horizons Technology	1	Self Placed
17	EPIDIASCOPE EQUIPMENT PVT LTD	1	Self Placed
18	ESGAUGE	1	Self Placed
19	Fleek IT Solutions	1	Self Placed
20	Genpact	2	Virtual
21	Globus 8	4	Self Placed
22	HCL Technologies	1	Self Placed
23	Hike Education	3	Virtual
24	Hitachi Vantara	1	Virtual
25	IBM India	2	Virtual
26	iEnergizer IT Services Pvt. Limited	1	Self Placed
27	Infogain	1	Virtual
28	Integreon Managed Solutions (India) Pvt. Ltd.	1	Self Placed
29	Intellipaat	2	Virtual
30	Intrics Solutions Private Limited	1	Self Placed
31	Jaro Group	4	Virtual
32	Kesavi Web Solutions	1	Self Placed
33	M/S Sadana Brothers	1	Self Placed
34	Manipal Business Solutions	3	Virtual
35	Milestone	1	Self Placed
36	MRIIRS	3	Self Placed
37	Nagarro Software	3	Virtual
38	Newgen Software	2	Virtual
39	Next Gen	1	Self Placed
40	NoPaperForms Solutions Pvt. Ltd.	1	Self Placed

41	Orahi (Phonon Solutions Private Limited)	1	Self Placed
42	SDAD Technology	1	Self Placed
43	Talent East Staffing Services Pvt. Ltd.	1	Self Placed
44	TCS	3	Virtual
45	Tech X Consulting Solutions Pvt Ltd	1	Self Placed
46	TechAhead Software	2	Virtual
47	Unthinkable Solutions	1	Virtual
48	VK Expo FAB	1	Self Placed
49	Wipro Ltd	1	Virtual
50	WorldRef Technologies Pvt. Ltd.	1	Self Placed
51	Higher Studies	21	
52	Entrepreneurship	6	
	Total	102	

#### 4. Faculty of Engineering and Technology

S.NO	COMPANY NAME	FET	Campus Type
1	Accenture	23	Virtual
2	ACPL SYSTEMS (P) LTD	1	Self Placed
3	Action Construction Equipment Ltd.	1	off Campus
4	ADP India Pvt. Ltd.	6	In Campus
5	AIIMS	1	Self Placed
6	All E Technologies	1	Virtual
7	Aon	9	Virtual
8	Appinventiv Technology Pvt. Ltd	4	Virtual
9	Arrivae	1	self Placed
10	Artech Infosystems Pvt. Ltd.	1	Virtual
11	ATS Infrastructure Ltd	3	Virtual
12	Auquall BPO Services Pvt Ltd	1	Self Placed
13	Auquall Inventive Services	1	Self Placed
14	Austere Systems Pvt Ltd	1	Self Placed
15	Aviotron Aerospace	2	Virtual
16	AVIZVA Solutions Private Limited	2	Virtual
17	Axiom IO IT Services Pvt Ltd	1	Self Placed
18	BAeHAL Software Ltd.	1	Self Placed
19	Balaji Associates	1	Self Placed
20	BD Infradevelopers LLP	1	Self Placed
21	Big Oh Notation Pvt Ltd	1	Virtual
22	Birdeye Software India Private Limited	1	Self Placed
23	Bosch Global Software Technologies Pvt Ltd	1	Self Placed
24	Bristlecone	1	Virtual
25	Byju's	5	Virtual



26	Capgemini	38	Virtual
27	Cavison India	1	Virtual
28	Cheil India	1	Virtual
29	CIEL HR Services Pvt Ltd.	1	Self Placed
30	Codec Networks	1	Self Placed
31	Coforge	22	Virtual
32	Contata Solutions Pvt Ltd	4	Virtual
33	Contec Global India Pvt Ltd	3	In Campus
34	COSMOS Services Pvt Ltd	1	Self Placed
35	CPM India Sales & Marketing Pvt. Ltd	1	Self Placed
36	Credit Suisse Services	1	Self Placed
37	Crowe Horwath IT Services LLP	1	Virtual
38	Cybercube Services Pvt Ltd	1	Self Placed
39	Data Resolve Technologies Pvt Ltd	1	Virtual
40	DharakshaEcosolutions	1	Self Placed
41	Dineshchandra R Agrawal InfraconPvt Ltd	1	Self Placed
42	DUNZO	5	Virtual
43	e-Ashwa Industries Pvt. ltd	10	In Campus
44	Ecologics India Pvt Ltd	1	Self Placed
45	EX Squared Solutions India Pvt Ltd	1	Virtual
46	Exint Solutions Pvt. Ltd.	1	Self Placed
47	ExpertLancing Research Services	4	Virtual
48	Fidelity International	4	Virtual
49	Frick India	3	off Campus
50	Genpact	5	Virtual
51	Girnar Insurance Broker Pvt Ltd	1	Self Placed
52	Greenfuel Energy Solutions Pvt Ltd	1	off Campus
53	GS Modern School	1	Self Placed
54	HCL Technologies	1	Self Placed
55	Hero MotoCorp Ltd.	1	Self Placed
56	Hexaware Technologies	1	Virtual
57	Hitachi Vantara	2	Virtual
58	HiyaMee Private Limited	1	Self Placed
59	Honda Motorcycle & Scooter India Pvt. Ltd.	2	Virtual
60	IBM India	9	Virtual
61	IDS Infotech	1	Virtual
62	IndArka Energy	1	Self Placed
63	India Mart	1	Self Placed
64	IndiGo	1	off Campus
65	Infogain	11	Virtual
66	Infosys	1	Virtual
67	Intas Pharmaceuticals Ltd	1	Self Placed
68	Intellect Partners	2	Virtual
69	Intellipaat	2	Virtual
70	Interra Systems	1	Virtual
71	IntraEdge Technologies Pvt.Ltd.	1	Self Placed

72	Jaro Group	2	Virtual
73	JBM	4	Self Placed
74	JTEKT India Ltd	2	In Campus
75	Kazam EV Tech Pvt. Ltd	1	Self Placed
76	Kedman	1	Self Placed
77	KISEKI	3	In Campus
78	KPMG	1	Self Placed
79	L&T Construction	1	Self Placed
80	L&T Technology Services Limited (LTTS)	4	Virtual
81	Launchtrax Pvt Ltd	2	Self Placed
82	Legato Health Technologies	2	Virtual
83	Loom Solar	1	Self Placed
84	Manipal Business Solutions	1	Virtual
85	MasterAir	1	Self Placed
86	Merkur Gaming India Pvt Ltd	1	Self Placed
87	Mitsubishi Electric India Pvt. Ltd.	1	Self Placed
88	Nagarro Software	11	Virtual
89	Namo e-Waste Management Ltd.	5	In Campus
90	Navrik Software Solutions	1	Self Placed
91	Newgen Software	5	Virtual
92	Niveshan Technologies India Pvt Ltd	1	Self Placed
93	Nokia	8	Virtual
94	NTT Data Services	4	Virtual
95	OnActuate Software Consulting (I) Pvt. Ltd	1	Self Placed
96	Pee Bee Agency	1	Self Placed
97	Penguin Technology	1	Self Placed
98	PIT Solutions Pvt. Ltd.	1	Self Placed
99	PlanetSpark	6	Virtual
100	Poly Medicure Ltd	2	Virtual
101	Power Consultants	1	Self Placed
102	Powerskill Engineering Solutions Pvt Ltd	1	Self Placed
103	Pranav Vikas India Pvt Ltd	2	Virtual
104	Premas Biotech Pvt. Ltd	2	Virtual
105	Pyroguard Engineers	2	off Campus
106	RDC Concrete (India) Pvt. Ltd.	1	In Campus
107	Regalo Kitchens Pvt Ltd.	2	Virtual
108	Remunance Services Pvt. Ltd	1	Self Placed
109	Round World Immigration Pvt. Ltd.	1	Self Placed
110	Sagacious IP	4	Virtual
111	Samsung R&D	1	Virtual
112	SeekAxis Technologies Pvt. Ltd.	1	Self Placed
113	Servetel Communication	1	Virtual
114	Shahi Exports Pvt. Ltd	1	Virtual
115	Shop My Ev India Pvt Ltd	2	Self Placed
116	Sify Digital Services Limited	1	Self Placed
117	SISL Infotech Pvt. Ltd	1	Self Placed



118	Sonamandhirapvt.ltd	1	Self Placed
119	Sonalika International Tractors	2	In Campus
120	St. Xavier's Community College	1	Self Placed
121	Stan Professionals pvt ltd	1	Self Placed
122	Star Health and Allied Insurance Company Limited	1	Self Placed
123	STARTEK (Aegis Customer Support Services Pvt ltd)	1	Self Placed
124	TATA Technologies	6	Virtual
125	TCS	31	Virtual
126	TeamLease Services Limited	1	Self Placed
127	TechChefz	7	Virtual
128	Techjockey	1	off Campus
129	Technology Products	1	Self Placed
130	Teleperformance	1	Self Placed
131	ThinkSys	1	Self Placed
132	Titan Biotech Ltd.	1	Virtual
133	To The New	6	Virtual
134	Toluna India Private Limited	1	Virtual
135	Tourlandish Online Ventures pvt ltd	1	Self Placed
136	TRB Technologies	1	Self Placed
137	TSPI Infotech India Pvt. Ltd.	1	Self Placed
138	TVS Supply Chain Solutions	1	Self Placed
139	Ubiquiti Inc	1	Virtual
140	Ultimate Kronos Group	2	Virtual
141	Uneecops Technologies Ltd	1	Self Placed
142	Uno Minda Group	1	Virtual
143	Unthinkable Solutions	1	Virtual
144	VaaaN Infra	1	Virtual
145	Veethree Indication Instruments Ltd	1	Self Placed
146	Visionary Architects	1	Self Placed
147	VVDN Technologies	4	Virtual
148	Web Falcons Technologies	1	Self Placed
149	Wiley Mthree	1	Virtual
150	Wipro Ltd	50	Virtual
151	WNS Global Services	2	Virtual
152	Xceedance	1	Virtual
153	Xebia	9	Virtual
154	Yuvaksh Events Pvt. Ltd	1	Self Placed
155	Higher Studies	24	
156	Entrepreneurship	21	
	Total	518	

## 5. Faculty of Media and Humanities:

S.NO	COMPANY NAME	FMeH	Campus Type
1	Abacus Desk	1	Virtual
2	AccioJob	1	Self Placed
3	Athena Venures	1	Self Placed
4	Avian-WE Media	3	Self Placed
5	Azent Overseas Education Ltd	1	Self Placed
6	Bennett, Coleman & Co Ltd	1	Virtual
7	Blot Canvas	2	Self Placed
8	Cogent E-Services	2	Self Placed
9	Creative INC	1	Virtual
10	Etraveli India Pvt. Ltd.	1	Self Placed
11	Freeskout Lash Technologies Pvt Ltd	1	Self Placed
12	Hashtag Orange Advertising Pvt. Ltd.	1	Self Placed
13	Hobit Technologies Pvt. Ltd	1	Self Placed
14	iEnergizer IT Services Pvt. Limited	1	Self Placed
15	IGT Solutions Private Limited.	2	Self Placed
16	L&T Technology Services Limited (LTTS)	1	Virtual
17	League11.in	1	Self Placed
18	McCann Erickson India Pvt Ltd.	1	Self Placed
19	Red Hot Media House	1	Self Placed
20	The Yellow Coin Communication Pvt. Ltd	1	Self Placed
21	V5 Global Services Pvt. Ltd	1	Self Placed
22	VTC Projects (P) Ltd	1	Self Placed
23	Higher Studies	29	
24	Entrepreneurship	2	
	Total	58	

## 6. Faculty of Commerce and Business Studies

S.NO	COMPANY NAME	FCBS	Campus Type
1	AJNI Consulting Pvt Ltd	1	Self Placed
2	Ascent Infra Pvt Ltd	2	Self Placed
3	Athenian Tech Pvt Ltd	1	Self Placed
4	Aviotron Aerospace	1	Virtual
5	Career Launcher	1	Virtual
6	CK Birla Hospital	1	In Campus
7	Coforge	3	Virtual
8	Concentrix	1	Self Placed
9	Conduent (Erstwhile Xerox)	1	Virtual
10	Expert Staffing	1	Self Placed



11	Freeskout Lash Technologies Pvt Ltd	1	Self Placed
12	Growth from Knowledge	1	Self Placed
13	Hike Education	1	Virtual
14	India Future Foundation	1	Virtual
15	Intellipaath	3	Virtual
16	KPMG	1	Self Placed
17	Manappuram Finance Ltd	1	Self Placed
18	My Chhota School Pvt Ltd	1	Self Placed
19	NKS Autoparts Industries	1	Self Placed
20	Nomura Services India Pvt Ltd	1	Self Placed
21	Otipy	1	Virtual
22	Paramount Health Service & Insurance TPA Pvt. Ltd	2	Self Placed
23	PlanetSpark	1	Virtual
24	Projexis	1	Self Placed
25	RBS Services India Private Limited,	1	Self Placed
26	Resourcing Next	1	Self Placed
27	SOP Edits Overseas Consultants	1	Self Placed
28	Testbook Edu Solutions Pvt. Ltd	1	Self Placed
29	Xceedance	1	Virtual
30	Yauntai International Supply Chain Management	1	Self Placed
31	Higher Studies	35	
32	Entrepreneurship	7	
	Total	78	

## 7. Faculty of Behavioral & Social Science

S.NO	COMPANY NAME	FBSS	Campus Type
1	Acadecraft Pvt Ltd	2	Virtual
2	AHZ Associates	1	Self Placed
3	concentrix	2	Self Placed
4	Cvent	1	Self Placed
5	iEnergizer IT Services Pvt. Limited	1	Self Placed
6	Infollion Research Services Pvt. Ltd.	1	Virtual
7	Institute for studies in industrial Development	1	Self Placed
8	Xebia	3	Virtual
9	Higher Studies	22	
	Total	34	

## 8. Faculty of Architecture and Design

S.NO	COMPANY NAME	FAD	Campus Type
1	Amara Interiors Pvt.Ltd	1	Self Placed
2	Blue Jadeitte Construction Pvt. Ltd.	1	Self Placed
3	Brij India Architects	1	Self Placed
4	BrookSpace Architectural Services	1	Self Placed
5	Designwise Associate	1	Self Placed
6	KCKV Consultants	1	Self Placed
7	Radiant Enterprise Pvt. Ltd	1	Self Placed
8	SJA Consultants	3	Self Placed
9	The Muse Design	1	Self Placed
10	Higher Studies	1	
11	Entrepreneurship	5	
	Total	17	

## 9. Hotel Management

S.NO	COMPANY NAME	FHM	Campus Type
1	Burger Club Private limited	1	Self Placed
2	Crowne Plaza	3	Self Placed
3	Fairfield by Marriott, Chennai	1	Self Placed
4	Hyatt Centric Hotel	1	Self Placed
5	ITC Maurya	1	Self Placed
6	Jaypee Group	1	Self Placed
7	JP Siddharth	1	Self Placed
8	JW Marriott, Aerocity	1	Self Placed
9	Lenskart	3	Self Placed
10	NLB Services	2	Self Placed
11	Praxis Services Pvt. Ltd.	1	Self Placed
12	PVR Cinemas	1	Virtual
13	Radisson Blu	1	Self Placed
14	Sarvodaya Hospital	1	Self Placed
15	Taj Dubai	1	Self Placed
16	Taj Palace, New Delhi	2	Self Placed
17	Teleperformance	1	Self Placed
18	The Gaurs Sarovar Portico	3	In Campus
19	Thomas Cook	1	Self Placed
20	Vivanta by Taj	1	Virtual
21	Higher Studies	1	
22	Entrepreneurship	1	
	Total	30	



### 8.3 Extra / Co - Curricular Activities

Students Welfare, Manav Rachna International Institute of Research and Studies is committed towards the holistic development of the students as it provides the students a platform to explore their hidden talent and hone their skills to become master of their art and it offers a wide range of extra and co-curricular activities to complement the academic curriculum and provide students with a well-rounded education. These activities play a crucial role in the personal and professional development of students, fostering their talents, skills, and interests outside the classroom. The activities encourage students to collaborate with fellow peers and become more aware of their potential.

Students Welfare provides the students opportunity to excel not only in the field of Dance, Music, Fashion, Theatre, Fine Arts, Photography but also ensures they shoulder the social responsibilities.

With the purpose to acknowledge students at a greater level, Students Welfare works closely in relation to various Government initiatives to promote Social Welfare and create a better impact on the society such as: National Service Scheme, Red Cross Society, Unnat Bharat Abhiyaan, Mahatma Gandhi National Council of Rural Education as well as it works closely with various NGOs and Foundations on social issues of paramount importance like Daksh Foundation, Parayavaran Sanrakshan Gathividhi, Cycling Federation of India, FIT India Movement, Isha Foundation, Sarvodaya Hospital and Unacademy and many more.

It instils a sense of responsibility among the students and provides them the opportunity to contribute towards the social causes. Students Welfare provides the opportunity to students by engaging in volunteering activities, internships, collaborations and participation in awareness campaigns and events. These activities help in fostering empathy, social consciousness, and a sense of responsibility among students, preparing them to be socially conscious leaders in their respective fields. Some activities related to social welfare and volunteering included: Observance of SwacchtaPakhwada, Cloth Donation Drive- NSS Khidmat, Observance of National Girl Child Day and Sohinchiraiya- A Selfie with Daughter on the occasion of National Girl Child Day, Surya Namaskar Abhiyan under the initiative of 75 Crore Suryanamaskar as a part of AazadikaAmritMahotsav and FIT India Movement in association with National Service Scheme and Red Cross Society, Technovogue'22, National Environment Youth Parliament 2022, Observance of World Red Cross Day and World Thalassemia Day, Pledge Taking Ceremony and Observance of Anti-Terrorism Day, Observance of Anti-Tobacco Day, Celebration of World Environment Day, Observance of World Brain Tumour Day, Observance of Anti-Child Labour Day, Asian Track Cycling Championship- Manav Rachna Knowledge Partner and International Yoga Day.

Students Welfare organises a wide range of Cultural Activities where Students play the most pivotal role in planning, organising and performing in such events. Cultural Events include Festive Celebrations, Cultural Fests, Inter University and Intra University Competitions, Talent Shows, Workshops and Trainings. National and International Days are also celebrated to disseminate information, promote inclusivity and unity among all. The aim behind planning such events is to ensure students reflect the values associated with these days These events include: Observance of Eid Al Adha, Observance of Guru Purnima, AAZADI'75- Cultural Celebration of Independence Day, One Week for Nation, Observance of



Rakshabhandan, Observance of Janmashtami, Observance of Teacher's Day, Alfaaz- Open Mic- Celebrating Hindi Diwas, NAVRANG- A Cultural Celebration to celebrate Navratri and Durga Pooja, Observance of Ram Navami, Celebration of Bathukamma at Manav Rachna Campus, Observance of Diwali 2021, A Journey to Moon- An Evening full of Fun and Cultural Extravaganza, Christmas Celebration and Inter-Departmental Talent Hunt for First-Year Students- "Manav Rachna's Got Talent", University Level Competition under National Environment Youth Parliament'2022 on the occasion of the Birth Anniversary of Swami Vivekananda Ji, Virtual Lohri Celebration, Grand Celebration of Republic Day under AazadiKaAmrit, Observance of National Girl Child Day and Sohnchiraiya- A Selfie with Daughter on the occasion of National Girl Child Day, Celebration of Basant Panchami, Sanggattvam- Celebration of MatribashaDiwas, Celebration of International Women's, Session with UNACADEMY- Let's Crack UPSC Together, Spictography- Spring Photography Contest, Observance of Holi on Social Media Platforms, Observance of Shaheed Diwas, Cultural Performance at Brown Ribbon Art Festival, Technovogue'22, National Environment Youth Parliament 2022, Celebration of International Mother's Day, Pen-It Down- Poem Writing Competition to celebrate Birth Anniversary of Guru Rabindranath Tagore, Observance of Buddha Purnima, Passion Talk 1.0, Celebration of World Environment Day, Celebration of Father's Day, International Yoga Day and World Music Day.

Students Welfare takes up initiatives and campaigns concerning social issues that cater to the Society. It also creates consciously aware students that are sensitive and willing to lead. In the same direction, Students Welfare in collaboration with Clans under the Manav Rachna Life Skills Program Also timely takes up Community Service-related initiatives and Social Outreach programs to enlighten a sense of social responsibility among the students. With the help of these activities, Students are able to address societal issues in a better manner. Outreach program comprises events related to Blood Donation Camp, Sanitation Drives, awareness campaigns and Workshops related to Environmental Conservation, Waste Management, Water Management, Road Safety, Gender Equality, issues concerning society, Ethics, Mental Health, Sustainability and more. Online Workshop on Guidance to Improve Psychosocial Skills during Pandemic by Ministry of Education, Interactive Session on Atma Nirbhar Haryana and Rojgar, Session on Early access to Justice at Pre-Arrest, Arrest & Remand Stage, Observance of National Girl Child Day and Sohnchiraiya- A Selfie with Daughter on the occasion of National Girl Child Day, Green Environment Business and Entrepreneurship Challenge -2022, Pledge Taking Ceremony, Observance of Anti-Terrorism Day Were conducted to make students more conscious regarding the social issues.

### **Various Societies/Groups**

To explore their interests, showcase their talent and engage in different cultural activities, Students Welfare has a variety of Societies. With the help of these societies, students explore their passions, engage in collaborative projects, and connect with like-minded peers.

Societies at Manav Rachna International Institute of Research and Studies:

**Music Society "Surtarang":** The Music Society encourages students interested in music to come together and explore their musical talents. Various musical performances, jam sessions, workshops, and competitions are organised for the society members. The society welcomes students with different musical backgrounds, whether they are vocalists or instrumentalists, and provides a platform for them



to showcase their skills.

**Dance Society "Mridaksh":** The Dance Society is a vibrant community of students passionate about dance. It offers opportunities to learn and perform various dance styles. The society conducts regular dance workshops, choreography sessions, and performances both on and off-campus.

**Dramatics Society "Paigam":** The Dramatics Society provides a platform for students interested in theater and acting. It organizes drama productions, skits, street plays, and theater workshops. Students have the opportunity to explore different aspects of acting, scriptwriting, stage management, and production.

**Literary Society "Nusha":** The Literary Society focuses on nurturing students' literary talents and promoting creative writing and communication skills. It conducts poetry recitation events, storytelling sessions, debates, quizzes, and writing competitions.

**Fine Arts Society "Aarekh":** The Fine Arts Society caters to students passionate about visual arts. It provides a platform 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":** The Photography Society is dedicated to students interested in photography and visual storytelling. It conducts photography workshops, photo walks, exhibitions, and contests. The society provides a platform for students to enhance their photography skills, learn new techniques, and showcase their work.

**Fashion Society "Aaira":** The Fashion Society brings together students interested in fashion, styling, and design. It conducts fashion shows, workshops, and styling competitions. The society encourages students to explore the world of fashion, experiment with trends, and showcase their unique sense of style.

**National Service Scheme (NSS):** NSS engages students in social service activities. It fosters a sense of social responsibility and active citizenship among students.

**Spicmacay:** Under the banner of Spicmacay, International Women's Day was organised where Nizami Bandhu delivered a spectacular performance.

### **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 a 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 Events Organised in 2021-2022:**

<b>S.No</b>	<b>Academic Year</b>	<b>Name of Event</b>	<b>Date of Event</b>
1	2021-22	Online Workshop on Guidance to Improve Psychosocial Skills during Pandemic by Ministry of Education	17.07.2021
2	2021-22	Observance of Eid Al Adha	21.07.2021
3	2021-22	Observance of Guru Purnima	24.07.2021
4	2021-22	AAZADI'75- Cultural Celebration of Independence Day	11.08.2021-15.08.2021
5	2021-22	One Week For Nation	15.08.2021-22.08.2021
6	2021-22	Observance of Raksha Bandhan	22.08.2021
7	2021-22	Interactive Session on AtmaNirbhar Haryana and Rojgar	24.08.2021
8	2021-22	Observance of Janmashtami	26.08.2021
9	2021-22	Observance of Teacher's Day	05.09.2021
10	2021-22	Alfaaz- Open Mic- Celebrating Hindi Diwas	14.09.2021
11	2021-22	Observance of SwachhtaPakhwada	04.10.2021-22.10.2021
12	2021-22	NAVRANG- A Cultural Celebration to celebrate Navratri and Durga Pooja	12.10.2021
13	2021-22	Observance of Ram Navami	14.10.2021
14	2021-22	Celebration of Bathukamma at Manav Rachna Campus	20.10.2021



15	2021-22	Session on Early access to Justice at Pre-Arrest, Arrest & Remand Stage	26.10.2021- 11.11.2021
16	2021-22	Observance of Diwali 2021	04.11.2021
17	2021-22	Celebration of Indian Constitution Day	26.11.2021
18	2021-22	Cloth Donation Drive- NSS Khidmat	06.12.2021- 27.12.2021
19	2021-22	A Journey to Moon- An Evening full of Fun and Cultural Extravaganza	14.12.2021
20	2021-22	Christmas Celebration and Inter-Departmental Talent Hunt for First-Year Students- "Manav Rachna's Got Talent"	22.12.2021
21	2021-22	University Level Competition under National Environment Youth Parliament 2022 on the occasion of the Birth Anniversary of Swami Vivekananda Ji	12.01.2022
22	2021-22	Virtual Lohri Celebration	13.01.2022
23	2021-22	Observance of Indian Army day	15.01.2022
24	2021-22	Grand Celebration of Republic Day under Aazadi Ka Amrit Mahotsav 1. Hind-Kala 2. Craft-It Reel-It, 3. Awaaz-E-Hind, 4. Sawaal Hindustan Ka 5. EK SHAAM JAANBAZO KE NAAM	21.01.2022- 26.01.2022
25	2021-22	Observance of National Girl Child Day and Sohachiraiya- A Selfie with Daughter on the occasion of National Girl Child Day	24.01.2022
26	2021-22	Surya Namaskar Abhiyan under the initiative of 75 Crore Surya Namaskar as a part of AazadikaAmritMahotsav and FIT India Movement in association with National Service Scheme and Red Cross Society	03.02.2022
27	2021-22	Celebration of Basant Panchami	05.02.2022
28	2021-22	Sanghattvam- Celebration of MatribashaDiwas	22.02.2022
29	2021-22	Certification Ceremony of Student Council and University and Regional Level Winners of National Environment Youth Parliament	22.02.2022
30	2021-22	Celebration of International Women's Day 1. Panel Discussion-"Breaking the Bias" 2. Sufi Qawwali Concert by Nizami Bandhu in association with SPICMACAY	08.03.2022
31	2021-22	Session with UNACADEMY- Let's Crack UPSC Together	15.03.2022
32	2021-22	Spictography- Spring Photography Contest	16.03.2022
33	2021-22	Observance of Holi on Social Media Platforms	18.03.2022

34	2021-22	Observance of Shaheed Diwas	23.03.2022
35	2021-22	Cultural Performance at Brown Ribbon Art Festival	27.03.2022
36	2021-22	Green Environment Business and Entrepreneurship Challenge -2022	11.04.2022
37	2021-22	Technovogue 22	11.04.2022
38	2021-22	National Environment Youth Parliament 2022	15.04.2022- 16.04.2022
39	2021-22	Observance of Eid al-Fitr	03.05.2022
40	2021-22	Celebration of International Mother's Day	08.05.2022
41	2021-22	Observance of World Red Cross Day and World Thalassemia Day	08.05.2022
42	2021-22	Pen-It Down- Poem Writing Competition to celebrate Birth Anniversary of Guru Rabindranath Tagore	09.05.2022
43	2021-22	Observance of Buddha Purnima	16.05.2022
44	2021-22	Pledge Taking Ceremony and Observance of Anti-Terrorism Day	21.05.2022
45	2021-22	Observance of Anti-Tobacco Day	31.05.2022
46	2021-22	Passion Talk 1.0.	01.06.2022
47	2021-22	Celebration of World Environment Day	03.06.2022- 05.06.2022
48	2021-22	Observance of World Brain Tumor Day	08.06.2022
49	2021-22	Observance of Anti-Child Labour Day	12.06.2022
50	2021-22	Volunteer Participation at Asian Track Cycling Championship- Manav Rachna Knowledge Partner	18.06.2022- 22.06.2022
51	2021-22	Celebration of Father's Day	19.06.2022
52	2021-22	International Yoga Day	21.06.2022
53	2021-22	World Music Day	21.06.2022



**Life skill:**

Manav Rachna Life Skill Program - Students Welfare		
S.No.	Title of Event	Dates
1	One Nation OneDrive- Training Programme on "Building Green Campus"	15.08.2021-22.08.2021
2	Training Program On Enhancing Creative Skills	01.09.2021
3	Jalsa -JashanEJal	01.10.2021
4	Awareness Session on Drug De-Addiction Program	12.01.2022
5	Program on Health and Hygiene	01.02.2022
6	April Kool	01.04.2022
7	Yoga- Adhyaay2.0	01.06.2022-15.06.2022
8	Awareness program on Environment Protection	01.06.2022-07.06.2022
9	Annual Donation Drive-MADHYAM	Annually





**Cultural Performances by students of different Societies**



**Online Webinars and Workshops**





**Activities related to Institutional Social Responsibilities**

#### 8.4 Sports Activities

Manav Rachna Sports Academy (MRSA) is an unparalleled sports platform, experience which offers sports to each enthusiast who believes in taking his/her sporting spirit to a brand-new level. Whether a newcomer to the world of sports or one who wants to enhance one's sporting skills, Manav Rachna Sports Academy has all options open. With world-class infrastructure, best training teachers and sports clinics organized at a frequent interval by the world acclaimed trainers; this is a one-stop sports media for all sports lovers. MREI initiated MRSA to advance the cause of sports in North India and also throughout India. The players admire participation in specifically designed structures which caters their needs and experience intense practice sessions leading to development of their sporting techniques, courtesy our efficient coaches.



**TEAM SPORTS**



At MRSA, facilities exist in the field of Badminton, Table Tennis, Lawn Tennis, Chess, Carom, Basketball, Volleyball, Shooting, Swimming, Physiotherapy, Squash, Skating and Soccer. Many sports facilities have been designed in consultation with leading brands like YONEX (for Badminton) and STAG (for Table Tennis).

MRSA also includes under its wing the Manav Rachna Cricket Academy (MRCA) which was inaugurated by Cricket Legend Virender Sehwag on July 6, 2012. Besides the Manav Rachna School students, the Academy is open for the natives of Faridabad in the evening. Inspired by MREI's legacy of excellence, MRSA continues to nurture sports talents among students from Nursery onwards and grows from strength to strength.















**Details of major sports events during the Academic Year 2021-22 are tabulated below:**

<b>Name of the Event/ Competition</b>	<b>Date of Event/Competition (DD-MM-YYYY)</b>
Online interactive session with Sports students	9/7/2021
Celebrating of 75 years of India independence Azadi ka Amrit Mahotsav resolves @75 FIT India freedom run 2.0	8/8/2021
T-20 Cricket Between MRIIRS V/S MRU Students	17-09-2021
T-20 Cricket Between President XI V/S VC XI	1/10/2021
T-20 Cricket match MBA Senior V/S Junior Students	17-10-2021
Selection Trials for the Manav Rachna International Institute of Research and Studies for participating in AIIU, North Zone Inter University and Technical Sports Tournament 2021-22	20-10-2021
Hostel Boys Cricket Match	12/11/2021
Very Proud Movement to Manav Rachna Sh. Sarkar Talwar, Director Sports, Manav Rachna Educational Institutions has been confirmed upon with the Lifetime Dronacharya award 2021 by honourable President of India Sh. Ram Nath Kovind	13-11-2021
The proud Movement to Manav Rachna Educational Institutions has been confirmed upon with Rashtriya Khel Protsahan Puruskar 2021 by the Honorable President of India Sh. Ram Nath Kovind on dated 13 <sup>th</sup> November 2021. for Manav Rachna Identification and nurturing of budding and young talent. Dr. Prashant Bhalla, President Manav Rachna Educational Institutions (MREI) and Dr. Amit Bhalla, Vice President Received this Award.	13-11-2021
1st Triangular Cricket Series TCS/Maruti Suzuki and Manav Rachna	28-11-2021
MRIIRS Volleyball (Men) team Participated in North Zone Inter University Volleyball (Men) Tournament 2021-22 at KUK University	12/12/2021
MRIIRS Basketball (Men) team Participated in North Zone Inter University Volleyball (Men) Tournament 2021-22 at Jamia Millia Islamia, Delhi	15-12-2021
MRIIRS Volleyball (Men) team Participated in North Zone Inter University Volleyball (Women) Tournament 2021-22 at KUK University	18-12-2021
Manav Rachna International Institute of Research & Studies Football (M) team participated in North Zone Inter University Football (M) Championship 2021-22 at Punjabi University Patiala	23-12-2021
Manav Rachna International Institute of Research & Studies Basketball (W) team participated in North Zone Inter University Basketball (W) Championship 2021-22 at Chitkara University, Rajpura, Punjab	30-12-2021
Manav Rachna International Institute of Research & Studies Badminton (W) team participated in North Zone Inter University Badminton (W) Championship 2021-22 at Chitkara University, Rajpura, Punjab	31-12-2021



15th Manav Rachna Corporate cricket Challenge 2021	12/2/2022
Manav Rachna International Institute of Research & Studies Badminton (M) team participated in North Zone Inter University Badminton (M) Championship 2021-22 at DCRM, Murthal, Sonapat	20-02-2022
Manav Rachna International Institute of Research & Studies Wrestling (M) team participated in All India Inter University Wrestling (M) Championship 2021-22 at Chaudhary Bansi Lal University, Bhiwani	7/3/2022
International Women Day 2022	8/3/2022
Hostel Boys Cricket Match	14-03-2022
Directorate of Sports organized the 3rd "FIT India Movement" workshop as per UGC letter no D.O No- F.1 -54/2019 dated 13th December 2019. The theme-based fitness work shop for health and fitness issues of all Faculty members & Students was conducted under the guidance of experts. The work shop held at I-Block Auditorium	15-03-2022
Manav Rachna International Institute of Research & Studies Squash (M) team participated in All India Inter University Squash (M) Championship 2021-22 at Gurukul Kangri University, Haridwar	23-03-2022
Manav Rachna International Institute of Research and Studies allotted by Association of Indian University to Organize All India Inter University 25 Mtr. & 50 Mtr. (Pistol/Rifle) Shooting Championship 2021-22.	31-03-2022
Manav Rachna International Institute of Research and Studies allotted by Association of Indian University to Organize All India Inter University Shotgun Shooting Championship 2021-22.	7/4/2022
Manav Rachna International Institute of Research & Studies 10 Mtr. Rifle/Pistol Shooting (M & W) team participated in All India Inter University Rifle/Pistol Shooting (M & W) Championship 2022 at Swami VivekanandSubharti University, Meerut	9/4/2022
Manav Rachna International Institute of Research & Studies Shooting (M) teams Selected for Khelo India University Games 2022 organized by Jain University Bangalore from 23 <sup>rd</sup> April to 2 <sup>nd</sup> May 2022. 3 Students of MRIIRS Master Anish Bhanwala (25 Mtr. Rapid Fire Pistol ), SanskarHavelia (50 Mtr. 3 P ), and Shapath Bhardwaj (Trap) Selected for Khelo India University games 2022. MRIIRS Students <b>Master Anish Bhanwala won Silver Medal for the same.</b>	23-04-2022
Department of sports organized 2 <sup>nd</sup> mega sports alumni meet 2022 held on 21 <sup>st</sup> May 2022 from 4:30 pm Onwards. Graced with zealous participation of over 200 alumni for a remarkable evening Manav Rachna hosted the eventful sports alumni meet with Juxtaposition of sports and culture. Manav Rachna witnessed the vibrancy of its current sports students and alumni once again at "Nostallian" the second mega sports alumni carnival. The alumni in this meet witnessed batches from 2002 onwards.	21-05-2022
10th Manav Rachna Inter faculty & Staff Badminton & TT tournament 2022 held from 29 <sup>th</sup> & 30 <sup>th</sup> June 2022 at Manav Rachna Sports Academy sector-14, Faridabad,	29-06-2022

## 8.5 SCHOLARSHIP/FREE-SHIP POLICY FOR AY 2021-22

**A. Schemes 'Utkarsh' and 'Uttam' for the candidates on the basis of MRNAT-2021 Score for UG & PG programmes:**

<b>MRNAT 2021 score</b>	<b>'Utkarsh' *</b>	<b>'Uttam' **</b>
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 31st May 2021 to 15th July 2021)
- Scheme 'Uttam' is for candidates taking Admission within a period from 16th July 2021 to 16th August 2021)

**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)**

<b>Marks / CGPA in Qualifying Examination</b>	<b>Tuition Fee Waiver</b>
95% and above	100%
90% to 94.99%	50%
85% to 89.99%	25%

**PG level Programme (other than MDS programme)**

<b>Marks / CGPA in Qualifying Examination</b>	<b>Tuition Fee Waiver</b>
85% and above	100%
80% to 84.99%	50%
75% to 79.99%	25%



**C. Freeship/Scholarships to students seeking admission for B.Tech-Engineering programmes on the basis their JEE Mains -2021 Overall All India Rank as per following criteria**

<b>JEE Mains -2021 Overall All India Rank</b>	<b>Tuition Fee Waiver</b>
Upto 50000	100%
50001 – 100000	50%
100001-150000	25%

**D. Freeship/Scholarships to students seeking admission for BDS Programmes on the basis their NEET-2021 score/Marks as per following criteria.**

<b>NEET-2023 Score/Marks</b>	<b>Tuition Fee Waiver</b>
501 & above	100%
451 – 500	50%
401-450	25%

**E. Freeship/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-2021**

<b>CAT-2021 score / Marks</b>	<b>Tuition Fee Waiver</b>
80% and above	100%
75% to 79.99%	50%
70% to 74.99%	25%

**On the basis of MAT/CMAT/ATMA-2021**

<b>MAT/CMAT/ATMA-2021 Score / Marks</b>	<b>Tuition Fee Waiver</b>
95% and above	100%
90% to 94.99%	50%
85% to 89.99%	25%

**F. Freeship/Scholarships to students seeking admission for B.Arch Programmes on the basis their NATA-2021 Score/Marks as per following criteria**

<b>NATA -201 Marks/Score</b>	<b>Tuition Fee Waiver</b>
121 & above	100%
101 to 120	50%
91 to 100	25%

**G. Freeship/Scholarships to students seeking admission for any UG programmes on the basis their SAT-2021 Marks/Score as per following criteria**

<b>SAT-2023 Marks/Score</b>	<b>Tuition Fee Waiver</b>
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 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 together shall be limited to maximum 10% 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/- one time at the time of Admission) 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/- only one time at the time of admission) 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 freeship/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 freeship/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 freeship/scholarship of that category with a maximum limit up to 100% tuition fee waiver. NDS 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 Thalassaemia 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
Common Wealth 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.

#### **Introduction of Merit cum Means Scholarship for domicile students of Haryana from 2021-22 Onwards**

A new scholarship scheme i.e Merit cum Means Scholarship for domicile students of Haryana from 2021-22 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-fifth 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 fulfil the following criteria for claiming the fee concession:
- The attendance criteria of the university that is 75% attendance.
- Maintain 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

#### **MERIT SCHOLARSHIP OTHER THAN ABOVE SCHOLARSHIP/FREESHIP**

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:

1. First Position: 25% of tuition fee or ₹25,000 - whichever is less
2. Second Position: 15% of tuition fee or ₹50,000- whichever is less
3. Third Position: 10% of tuition fee or ₹10,000- whichever is less

The following are the guidelines for granting these Merit Scholarships:

1. Any programme having a strength of 90 students or more in the semester exam shall qualify for first, second and third position scholarship.
2. 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.
3. If the strength of a course is 10 or less no scholarship will be awarded for that course.

## CHAPTER 9

# INSTITUTIONAL SOCIAL RESPONSIBILITY

Manav Rachna International Institute of Research & Studies, along with creating excellence and professionalism, is committed to social causes and hence, is pleased to contribute to International Philanthropy with the grand aim of improving the quality of life of people around. MRIIRS is committed to fulfilling its duty towards the Nation or broadly we say World by promoting the inclusive Growth and Development of Society and its people and conserving the diversity of Cultures, and protecting Environment and the Planet.

Manav Rachna International Institute of Research & Studies has been playing a pioneering role in summarising the Institutional Social Responsibility since its inception in 1997 as a Career Institute of Technology and Management (CITM). The projects undertaken by MRIIRS includes creating awareness about diseases such as Thalassemia, Haemophilia, Mouth Cancer, Dengue etc. Various Health Check-up Camps and Blood donation Camps have been organised. The institution, with the inception of CITM has been taking up various activities for the cause and benefit of the Society, building up in the process, a sense of community and team work among teachers, students, faculty and staff.

Under the Institutional Social Responsibility MRIIRS undertakes development activities, Research and Training in the following fields: -

### **Education, Capacity building of people and Creating knowledge societies**

This aims to provide global and regional leadership in education in order to strengthen education systems.

### **Protecting and Reviving our heritage and Fostering creativity**

It endeavors to protect and safeguard the cultural and natural heritage. It supports, promotes and encourages creativity and hence, works towards sustaining our heritage and protects it for our future generations.

### **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.

### **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.

### **Global, Physical, Psychological and Spiritual Health and Well-being**

It takes steps towards achieving total health i.e. physical, mental, emotional and spiritual to improve the quality of life for the society as a whole.



## **Inclusion, Mainstreaming, 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.

### **Geriatric Healthcare and Well-being**

It aims in working towards the welfare of elderly by training and empowering them for new employment. It also works towards their holistic health and well-being.

### **Our Initiatives:**

#### **1. 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.



#### **2. Plantation Drive:**

Dr. O.P. Bhalla Foundation and MRIIRS for Peace and Sustainability distributed around around 2700 plants under the Annual Mega Plantation Drive in August 2022 various locations in Faridabad listed as GMS Sirohi, GMS Teekri Khera, GGSSS NIT 3, GGSSS NIT 3, GSSS Lakkarpur, GSSS Panheda Khurd, GSSS Dhauj and Eco Club (NGO).

The Volunteers also motivated School Students to take Green Oath in an effort to keep the environment clean and green.

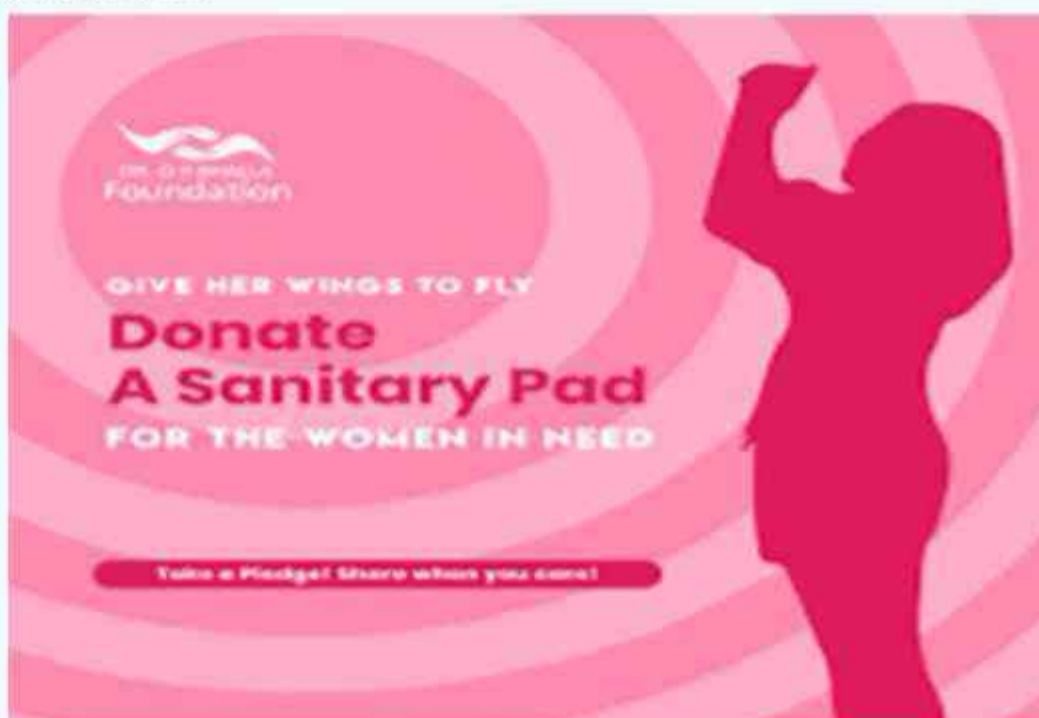


### 3. Give her Wings to Fly:

Give Her Wings to Fly is an initiative initiated by the MRIIRS in collaboration with Dr. OP Bhalla Foundation to destigmatize the taboos around menstruation. In India, there is a high level of stigma regarding menstruating women.

MRIIRS student volunteers visited Government Girls School, Mohna, where the students were educated on menstrual hygiene and encouraged to talk about menstruation without being shy.

Sanitary napkins are not readily available, especially in rural areas. Since a level of secrecy is supposed to be maintained about them, their unavailability never becomes a topic of debate. Therefore, Team Foundation distributed more than 450 packets of sanitary napkins, consisting of over 2700 napkins, to the students at the school.





#### 4. Blood Donation Camp:

Mega Blood Donation Camp was organised on September 16, 2021 in association with Rotary Blood Bank at the MRIIRS campus. The camp was inaugurated by Sh. Krishan Pal Gurjar, Hon'ble Union Minister of State for Power & Heavy Industries. Following strict social distancing norms, students and staff members donated 534 units of blood over staggered slots.



#### 5. Ek Mutti Daan:

Manav Rachna International Institute of Research and Studies in collaboration with Dr. OP Bhalla Foundation collectively donated 7489 kgs of grains (dals & rice) to mark 25 years of Manav Rachna's existence under the Ek Mutthi Daan campaign (No One Sleeps Hungry). These grains were donated to 17 NGOs working for the betterment of the underprivileged and the housekeeping, maintenance workers and construction workers of Manav Rachna Campus. The donations were handed over by Dr. N C Wadhwa, DG, MREI in the presence of Sh. Krishan Pal Gurjar; Sh. Narender Gupta, MLA, Faridabad; Dr. Prashant Bhalla, President, MREI; Dr. Amit Bhalla, VP, MREI; Sh. Navdeep Chawla, Sh. H K Batra, and other senior dignitaries. The donations were made by 187 students and 170 faculty members and Heads of various departments of MRIIS.





## 6. Physiotherapy and Nutrition & Dietetics Camps:

A community health camp was organized at Springfield colony at Sector 31-32 Faridabad in association with RSS on 27th November 2021, as part of the Health for All mission. The motto of the camp is to fulfill 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.



## 7. Visit to Rescue Home for Boys for an Art Session:

MRIIRS Students visited a Rescue Home for Boys located near Tikona Park, NIT 1 on 8th June, 2022. The purpose of the visit was to sensitize the Interns and educate them about various such institutions and their ground realities. This Rescue Home is run by the Government of Haryana with a capacity of 100 Students. Currently 40 students are living there. The organisation gives shelter to boys who are orphans, beggars, ragpickers and further categorised into 14 such groups. Apart from studies, a keen interest in sports is developed which helps them to lead a healthy and an active lifestyle. Due to the ill-timed funds and mismanagement, the organisation faces a lot of difficulties.

Mr. Maniram, (Warden and Caretaker) explained the functioning of the rescue home and talked about the challenges and hardships of running such establishments. Despite the challenges, their Students have participated in District and State level Competitions. A special interactive session on personality development was organized for the boys by Mr. Sanjay, Security and Discipline Officer, MREI.

Dr. O P Bhalla Foundation in collaboration with 'Yubingo' donated t-shirts to all children. The children had an interactive fun session with the Interns. The visit ended with a tour of the Rescue Home.





## 8. Visit to old age Home

On the occasion of Baisakhi, Dr. OP Bhalla Foundation Students of MRIIRS visited Saint Hardyal Educational and Orphan Welfare Society (SHEOWS), an old age home and a partner NGO.

SHEOWS is a home away from home for the abandoned elderly of our country. For 16 years, the organisation has provided free shelter, food, clothing, medical facilities, and affection and care to the needy and abandoned elderly. Society is based on the principle of serving the trodden elderly who are in desperate need of love and care.

The Student conversed with them and made them feel appreciated. The interactive session also included a narration of personal life stories by the inmates of SHEOWS. Student Volunteers entertained them with musical performances. Dr. OP Bhalla Foundation strongly believes that helping the old aged people and spreading the awareness of more senior health care will not only give them a ray of sunshine but will also reflect on the issue of elderly abuse in society.

## 9. Free Community Health Check-Up Camp and Health Talk on Management of Arthritis

The free community health check-up camp was organised on December 06, 2021 by Department of Physiotherapy. A total of 80 patients visited the camp. A team of physiotherapists comprising Dr. Pooja Sharma, Dr. Preeti Saini and 35 students examined and treated the patients with various conditions like ankle pain, knee pain, wrist pain, low back ache and generalized body weakness.

## 10. Utility Items Donation Drive

This Christmas Khidmat- NSS Society, Department of Students Welfare tried to bring smiles to others' faces by organising a Cloth Donation Drive from 6th-27th December 2021 at Campus.

The main motive behind this drive was to work on an ultimate mission of NSS that is "NOT ME BUT YOU". 25 active students from the NSS Team came forward and took the initiative. A huge winter cloth donation was done by the students and the Faculty Members of Manav Rachna.

Team Members of NSS Society along with Dr. Pooja Khurana- Faculty Coordinator visited Sevadharam Patient Care Society, Sector 15-A, Faridabad, Haryana on 29th December 2021 and donated the utility items. Also, they interacted with the senior citizens who were left out of by their family members. Sevadharam Patient Care Society overlooks the selfless act of caring and provides facilities like Old Age Home, Nursing Care, Patient Care, Food for Hungry and Ambulance Seva for the needy.

Department of Students Welfare extends gratitude to the members of the Manav Rachna family for making this drive successful and bringing a significant change in society. Similar drives will be held in continuing frequency to make a larger impact on the welfare of society.







### 11. Visit to NGO

The 14 students of Department of Commerce, MRIIRS visited Prabhat NGO for celebrating Children's Day on 12th November 2021. The NGO was for Divyaang and orphan children. There were 22 children living. Children who are differently abled are taught by an experienced teacher Ms. Molly.



### 12. Teacher on Call

MRIIRS in collaboration with Faridabad Education council and Dr.O.P.Bhalla foundation in close association with Sahaj Path Knowledge foundation launched "Teacher on Call" program to enhance the quality of academics in Government Schools of Faridabad and Palwal Districts by providing "Helpline" toll-free number to registered students for getting their queries and problems solved through remedial teaching online by a dedicated group of 300+ teachers drawn from MRIIRS and other schools and private individuals from different walls of life, who volunteer themselves for this noble cause.

The initiative was brought to a close by encouraging each student to submit one or more Eco-Bricks so that they can be used to create artifacts on the campus.






**Teacher on Call\***

**Service Tollfree Number: 1800 890 6006**

**INCLUSIVE AND QUALITY EDUCATION FOR ALL**

Under  
Faridabad Education Council (FEC) &  
Manav Rachna Educational Institutions (MREI)

In Collaboration with  
Sahaj Path Knowledge Foundation (SPKF)

A Not for Profit Organization  
(A Charitable Trust)

\*As recommended by West Bengal Education Commission



GSC is committed to organize Webinars, Seminars, Panel Discussions, and Workshops etc. for Gender Awareness, Gender Sensitization, and Women Empowerment etc.

It includes awareness to concerns like Gender based Violence; Gender based Discrimination, Fundamental Rights etc.

The activities are conducted by GSC using the following experiential techniques:

1. Awareness drives related to Women Empowerment and Gender Equality all through the year.
2. Celebration of International Women's Day in association with DSW.
3. Activities on Gender Stereotypes via role plays and workshops.
4. Motivating girl students and women staff to take leadership roles in the campus.
5. Motivation to Female Student/employee to accept the leadership roles in the Campus

Following action activities aided to increase affirmative action and empowerment in the above areas.

## Gender Sensitizing Cell: Activities AY 2021-22

S. No	Schedule	Audience	Theme/Topics	Faculty
1.	May 2022 to June 2022	Students and Staff	Rethinking gender and Consent	FMS
2.	May 2022	Students and Staff	"International Day of Action for Women's Health"	FMS
3.	April 2022	Students and Staff	'Women's Safety at Workplace: Prevention of Sexual Harassment'	FMS
4.	March 2022	Students and Staff	International Women's Day Celebration	FBSS
5.	March 2022	Students and Staff	Sports event & Sports activities as a part of the Manav Rachna Silver Jubilee Celebration on the occasion of international women's day	FMeH
6.	March 2022	Students and Staff	Insta Live to Create Awareness On Trans Rights	MRDC
7.	Feb 2022	Students and Staff	Workshop on Women Health and Ethics	FBSS
8.	Feb 2022	New Batch of - BDS Students	Gender Sensitization- Breaking Barriers	MRDC
9.	October 2021	Students and Staff	Unequal Pay: Gender Discrimination at News - Media Workplace	DSW
10	October 2021	Students and Staff	Role Play on Classical Greek Tragedy Antigone, "Let's Celebrate The Female Literary Hero"	FCBS
11	September 2021	Students	Slogan Writing Competition on 'Women Empowerment'	DSW
12	August 2021	Students	Poetry Writing Competition on 'Women Empowerment'	DSW



### Editorial Board

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• Dr. Brijesh Kumar Dean Academics, MRIIRS	-	-Member
• Dr. Ashim Aggarwal Vice Principal, MRDC, MRIIRS	-	Member
• Dr. Priyanka Singh Professor, Professor, MRIIRS	-	-Member
• Dr. Shivani Vashist HoD - English, FMeH	-	Member
• Dr. Nitesh Malhotra HoD-Physiotherapy, FAHS	-	Member
• Ms. Ritika Singh DSW/Director-FHM	-	-Member
• Sh. Manoj Jha	-	-Member Secretary



**Manav Rachna International Institute of Research and Studies**  
(Deemed to be University under section 3 of the UGC Act, 1956)  
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