

MANAV RACHNA UNIVERSITY

Established, vide Haryana Act no.26 of 2014
(Formerly Manav Rachna College of Engineering,
NAAC Accredited 'A' Grade Institute)

ANNUAL REPORT ACADEMIC YEAR 2016-2017 (July 2016-June 2017)

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1. About the University

APPROVAL OF STATUTORY BODIES

Manav Rachna University is a State Private University (established by Haryana State Legislature Act No 26 of 2014 & under section 2(f) of UGC Act 1956).The University has evolved from Manav Rachna College of Engineering (MRCE), a NAAC Accredited 'A' Grade institute.

VISION

MRU envisions being a Centre for knowledge generation, dissemination and transferring in the frontier areas, which derives impetus from various disciplines of sciences, humanities and technology and generates globally relevant human resource and knowledge which addresses the future issues/needs of society.

MISSION

- To impart outcome based holistic education
- To disseminate education in frontier areas
- To produce globally competitive, ethical and socially responsible human resources
- To produce human resources sensitive to issues of Environment and Sustainable Development
- To develop Environment and Sustainable development as thrust area of research and development.

Governance

| S.NO | COMMITTEE |
|-------|---|
| 1.4.1 | <p>Governing Body</p> <p>The Governing body is the supreme authority of the University. All the movable and immovable property of the University vests in the Governing Body. It provides general superintendence and directions and to control the functioning of by how all powers as provided to the Act, Statutes, Ordinances, Regulations and Rules. In academic year 2016-17, the Governing Body met twice i.e.on 15th December 2016 and 26th May 2017.</p> <p>MEMBERS:</p> <ol style="list-style-type: none">1. Dr. Prashant Bhalla, Chancellor/Chairman2. Dr. Sanjay Srivastava, Vice Chancellor3. Principal Secretary to Govt., Haryana or his Nominee4. Dr. Amit Bhalla, Vice President, MREI5. Dr. N.C Wadhwa, Vice Chancellor, MRIU6. Dr. M.M. Kathuria, Trustee, UET7. Prof. (Dr.) Haribansh Chaturvedi, Birla Inst. Of Mgt. & Tech., Noida.8. Col. (Retd.) V.K. Gaur, Advisor,MREI |

| | |
|-------|---|
| | <p>9. Sh.H.K.Batra,President,FCCI 10. Sh. Amit Kumar, FCA 11. Dr. K. Singh, Registrar/Member Secretary</p> |
| 1.4.2 | <p>BOARD OF MANAGEMENT</p> <p>The Board of Management (BoM) is the Chief Executive body of the University and works under the overall directions of the Governing Body. The role of BoM is to ensure the establishment, monitoring and achievement of the University's mission and goals. This includes the creation and monitoring of and academic standards, goals and objectives; the establishment of academic and research units; supervision of the University's finances and budgetary processes; conducting institutional performance evaluations; compliance with the University's statutory and regulatory responsibilities; liaison with external agencies and evaluating the performance of the senior University administrators. In academic year 2016-17, the BOM met twice i.e. on 28th September, 2016 and 15th May 2017.</p> <p>MEMBERS:</p> <ol style="list-style-type: none"> 1. Prof. (Dr.) Sanjay Srivastava, Vice Chancellor 2. Principal Secretary to Govt. Haryana or his Nominee 3. Dr. Amit Bhalla, Vice President, MREI 4. Dr. N.C. Wadhwa, Vice Chancellor, MRIU 5. Sh. M.K Miglani, Former VC, KU & HAU (Haryana) 6. Sh. S.K. Jain, MD, Indo Autotech Limited, FBD 7. Sh. Navdeep Chawala, M.D. Psychotropic India Ltd., Faridabad 8. Prof. (Dr.) M.R Tyagi. Dean, Engineering. 9. Prof. (Dr.) Meenakshi S. Khurana, Dean, Academics 10. (Prof.) Dr. Sangeeta Banga, Director/Dean, Student Welfare 11. Dr. Kameshwar Singh, Registrar/Member Secretary |
| 1.4.3 | <p>ACADEMIC COUNCIL</p> <p>The Academic Council, is the principal academic body of the University and shall subject to the provisions of the Act, Statutes, Ordinances of the University, coordinates and exercise general supervision over the academic policies of the University. The Academic Council is responsible for overall matters of educational policy, evaluating and approving all academic degree programs, requirements for admission, honors or degrees granted at the University. In academic Year 2016-17 the Academic Council met twice i.e. 20th October 2016 and 12th April 2017.</p> <p>MEMBERS:</p> <ol style="list-style-type: none"> 1. Prof. (Dr.) Sanjay Srivastava, Vice Chancellor 2. Prof. (Dr.) V. K. Mahana, Pro-Vice Chancellor & Dean, Management 3. Prof. (Dr.) Meenakshi S. Khurana, Dean (Academics), MRU 4. Prof. (Dr.) M.R. Tyagi, Dean (Engineering), MRU 5. Prof. (Dr.) B.M. Bahal, Dean (Applied Sci.), MRU 6. Prof. (Dr.) S.K. Garg, Pro-V.C., DTU, Delhi 7. Prof. (Dr.) R.K. Singh, Professor, Delhi School of Economics, N.D. 8. Prof. (Dr.) P.K. Bhatnagar, Prof. ECE Dept., University of Delhi, N.D. 9. Dr. Vandana Singh, Associate Professor, Dept. of Education, IGNOU, New Delhi |

| | |
|--------|--|
| | <ol style="list-style-type: none"> 10. Dr. S. K. Goyal ,Executive Director, Star Wire(India) Ltd. & former President, FBD 11. Dr. Y.K Awasthi, HOD, Dept. of ECE, MRU 12. Ms. Hanu Bhardwaj, HoD, Dept. of Comp. Sci. & Technology. 13. Prof. (Dr.) Rajat Gera, HOD, Dept. Of Management, MRU 14. Dr. Sujata Nayak, HoD, Dept. of ME 15. Dr. Haider Abbas, HOD, Dept. of Physics, MRU 16. Dr. Megha Mittal, HOD, Dept. of Chemistry, MRU 17. Dr. A.K. Awasthi, HOD, Dept. of Mathematics, MRU 18. Prof. Jaideep Singh, HOD, Humanities, MRU 19. Dr. Babita Prashar, HoD, Dept. of Education. 20. Prof. (Dr.) A. K Gupta, Professor, Dept. Of Chemistry, MRU 21. Prof. (Dr.)Jai Bhatnagar, Professor, Dept of CST, MRU 22. Prof. (Dr) KanwalD.P Singh, Dean Faculty of law, GGSIP University Dwarka New Delhi. 23. Prof. (Dr.) D.K. Sharma, Professor, Dept. of Physics, MRU 24. Prof. (Dr.) B. D. Pathak, Professor, Mech. Engg., MRU 25. Dr. Sangeeta Banga, Associate Professor, MRU 26. Ms. Meena Kapahi, Associate Professor, MRU 27. Dr. S.K. Shukla, Associate Professor, , MRU 28. Dr. Varsha Vahini, Associate Professor, MRU 29. Dr. K. Singh, Registrar/Member Secretary |
| 1.4.4 | <p>FINANCE COMMITTEE</p> <p>The Finance Committee is the principal financial body of the University. The main task of this Committee is to take care of the Financial matters of the University. In academic year 2016-17, the Finance Commite met thrice i.e.on 6th September 2016, 17th January 2017 and 9th May 2017.</p> <p>MEMBERS:</p> <ol style="list-style-type: none"> 1. Prof (Dr.) Sanjay Srivastava, Vice chancellor 2. Dr. Amit Bhalla, Vice President, MREI 3. Dr. M.M. Kathuria, Trustee, UET 4. Prof. Meenakshi S. Khurana, Dean, Academics 5. Dr. Kameshwar Singh, Registrar 6. Sh. Amit Kumar, FCA 7. Sh. Rajeev Malhotra, Chief Finance & Accounts Officer, Member Secretary |
| 1.4.5. | <p>STRATEGIC MENTORING BOARD</p> <p>The Strategic Mentoring board is to formulate Strategies to ensure that Manav Rachna Educational Institutions become a renowned Organization Worldwide.</p> <p>a) Advisory Board</p> <p>MEMBERS:</p> <ol style="list-style-type: none"> 1. Dr. Riad Abbas - Ambassador of Syria, Embassy of Syria, New Delhi 2. Sh. V.S. Allawadi, IAS (R) - Former Vice Chairman, Delhi Development Authority & Chairman Haryana Power, Regulatory Commissioner 3. Mr. M.D. Asthana, IAS (R) - Secretary, Department of Statistics & Programme |

Implementation, Government of India

4. Sh. V.P. Bajaj - Managing Director, Bajaj Motor Ltd. And President Gurgaon Industry Association
5. Sh. H.K. Batra - Managing Director, L.R. Foods Pvt. Ltd., Faridabad
6. Prof. H. Chaturvedi - Director, Birla Institute of Management Technology, Greater Noida, U.P.
7. Sh. Navdeep Chawla - President, Faridabad Industries Association, Faridabad and Managing Director, Psychotropic India Ltd.
8. Sh. Kapil Dev - Former Captain Indian Cricket Team
9. Dr. Richard Goodall - President, A.I.S. St. Helens, New Zealand
10. Sh. P.C. Hota, IAS (R) - Former Chairman, Union Public Service Commission and Former Secretary Parliamentary Affairs, Govt. of India
11. Mr. S.K. Jain - Managing Director, Indo Auto Tech Ltd, Faridabad
12. Sh. K.L. Johar - Former Vice Chancellor, Guru Jambheshwar University, Hisar (Haryana)
13. Sh. Rajiv Kapoor - Chief People Officer, Fortis Healthcare
14. Padmashri Dr. Prof. Pritam Singh, Ex-Director, MDI & IMI.
15. Dr. M.L. Khurana - (Former) Managing Director, National Cooperative Housing Federation of India
16. Mr. KC Lakhani - Chairman, Lakhani Armaan Group
17. G. Madhavan, IAS (Retd.) - Former Chief Secretary Haryana & Chief Information Commissioner, Haryana
18. Sh. M.K. Miglani, IAS (Retd.) - Former Vice Chancellor, Kurukshetra University, Kurushetra and CCS, HAU, Hisar
19. Sh. Yogesh Munjal - Managing Director, Munjal Showa Ltd., Gurgaon
20. Justice (R) R K Nehru - Retd. Judge Punjab & Haryana High Court
21. Dr. Juhani Nieminen - Sr. Advisor, Lahti University of Applied Sciences, Lahti, Finland
22. Sh. Raj Singh Rathee - Managing Director, Kuka Robotics India Pvt. Ltd.
23. Sh. S.Y. Siddiqui - Chief Mentor, Maruti Suzuki India Limited
24. Justice (R) I.P. Vashishth - Former High Court Judge, Utrakhnad
25. Mr. Ravi Vasudeva - Chairman Haryana Chamber of Commerce and Industry, Faridabad and Chairman, Chamber of Indian Overseas Entrepreneurs
26. Mr. J.S. Virk - Retd. Sessions Judge
27. Dr. Anil Kohli - Former President, Dental Council of India
28. Dr. G. Vishwanathan - Chancellor, VIT University, Vellore
29. Mr. V. Ramaswamy - Global Head, SMB Division, Tata Consultancy Services
30. Sh. Bhaskar Chatterjee - IAS (Retd.)
31. Prof. Dr. Kuldeep Singh Dhindsa - Ex- Director General, Jan Nayak Ch. Devi Lal Vidyapeeth, Sirsa.
32. Prof. Sunil Pandey - Director, Saint Longowal Institute of Engineering and Technology, Longowal, Sangrur.

b)Executive Body of Strategic Mentoring Board

MEMBERS:

1. Padmashri Dr. Prof. Pritam Singh Ex. Director, MDI & IMI
2. Mr S.Y. Siddiqui, Chief Mentor, Maruti Suzuki India Ltd.
3. Mr P. Dwarkanath, Ex Director HR GSK & Adviser HR MAX GROUP.
4. Mr Rajiv Kapoor, Chief People Officer Fortis Health Care Ltd
5. Mr Arun Sehgal, Director Human Resources, GSK
6. Mr Suneel Sethi, Ex Exec. Director Indian Oil Corporation
7. Mr P. Panda, V.P (Engineering) Maruti Suzuki
8. Mr Rajiv Gandhi, Exec. Director Production Maruti Suzuki
9. Mr. A. Sudhakar, Head Global Human Capital, Dabur India Ltd
10. Dr. Dinesh Batra, Group CEO & Founder Director, Cygnus Hospital

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|--|---|
| | <ol style="list-style-type: none">11. Kunwer Sachdev, Founder & MD, Su-Kam Power12. Mr Neeraj Joshi, Head - ICICI direct Centre for Financial Learning |
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2. Academics at Manav Rachna University

Manav Rachna University, evolved during the year 2014 by the Haryana State Legislature Act No. 26 of 2014 from erstwhile Manav Rachna College of Engineering (MRCE) is flourishing with the gradual passage of time. During the last one year, University has been abuzz with activities and has surged forward in every aspect. University has strengthened its academic profile by introducing relevant innovative and need-based programmes both at UG and PG level along with inter-disciplinary courses in engineering, allied sciences, law and humanities etc.

FACULTIES OF THE UNIVERSITY

Faculty of Applied Sciences
Faculty of Engineering
Faculty of Management and Humanities
Faculty of Education
Faculty of Law

Under the five Faculties, there exist different departments offering Undergraduate; Post Graduate and Doctoral Programs.

Faculty of Applied Sciences: Departments under the Faculty are:

Department of Chemistry:

- B.Sc. (Hons.) (3 year): Chemistry
- M.Sc. (2 year): Chemistry
- Ph.D

Department of Mathematics

- B.Sc. (Hons.) (3 year): Mathematics
- M.Sc. (2 year): Mathematics
- Ph.D

Department of Physics.

- B.Sc. (Hons.) (3 year): Physics,
- M.Sc. (2 year): Physics
- Ph.D

Faculty of Engineering: Departments under the Faculty are:

2.1.2.1 Department of Computer Science and Technology

- B.Tech. (4 year) / B.Tech. Lateral Entry (3 year) Computer Science & Engineering Information Technology
- M.Tech. (2 year) Computer Engineering
- Ph.D

Department of Electronics and Communication Engineering

- B.Tech Electronics & Communication Engineering(4year)
- B.Tech. Lateral Entry (3 year)
- Ph.D

Department of Mechanical Engineering

- B.Tech. (4 year): Mechanical Engineering, Industrial Engineering & Management
- B.Tech. Lateral Entry (3 year): Mechanical Engineering
- M.Tech. (2 year): Mechanical Engineering
- Ph.D

Faculty of Management and Humanities: Departments under the Faculty are

Department of Management and Commerce

Undergraduate programmes (3 year):

- Bachelor of Business Administration (BBA- Finance & Accounts) integrated with CMA Program, USA and endorsed by Institute of Management Accountants, USA.
- Bachelor of Business Administration (BBA- Entrepreneurship & Family Business) in association with National Entrepreneurship Network (NEN) and National Institute for Entrepreneurship and Small Business Development (NIESBUD), Government of India.
- Bachelor of Business Administration (BBA- Health Care Management) in association with Cygnus Hospitals, India.
- Ph.D.

Department of Humanities

Courses offered: Business English, Communicative English, Business Communication, Language Studies, and Soft Skill Development

Faculty of Education: Department under the Faculty is

2.1.4.1Department of Education

- Master of Arts (Education) (M.A. Education) - 2 Year
- Integrated B.Sc. B.Ed (4 year)
- Integrated B.A. B.Ed (4 year)
- B.Ed. (2 year)
- Ph.D

Faculty of Law: Department under the Faculty is

2.1.5.1Department of Law

- B.A LLB (5year)
- B.B.A LLB (5year)
- B.COM L.L.B (5year)

Students

2.2.1 STUDENTS' STRENGTH

Expansion of any institution can be gazed by the number of students opting for their education. In subsequent year from the strength of students, it can be fathomed that popularity of diverse programmes offered by university is increasing among masses.

| Programme/BRANCH Name | Total |
|--|-------------|
| B.TECH (COMPUTER SCIENCE & ENGINEERING) | 606 |
| B.TECH (ELECTRONICS & COMMUNICATION ENGINEERING) | 229 |
| B.TECH (INFORMATION TECHNOLOGY) | 174 |
| B.TECH (MECHANICAL ENGINEERING) | 412 |
| Applied Sciences | 42 |
| BBA | 66 |
| Total Students (UG) | 1529 |
| M.TECH (COMPUTER SCIENCE & ENGINEERING) | 7 |
| MBA | 18 |
| M.SC | 22 |
| Total Students(PG) | 47 |

SCHOLARSHIP POLICY

In the year 2016-17, a substantial sum of more than one crore, three lakh was awarded as scholarship on the basis of marks, reservation (annual income) and being topper of the semester. Scholarship policy of University encourages a good number of students every year and kindles the spirit of consistent performance. Elaborative policy details are as follows:

Merit scholarship: Aimed at promoting meritorious students, scholarship includes tuition fee waiver and is awarded to the students of UG/ PG Programmes) on the basis of marks/CGPA in the qualifying examination as per following scale, however the students are required to pay other fees as applicable to the programme concerned.

UG PROGRAMMES

| | | |
|-------------------------------|------|--------------------|
| 90.00% & above | 100% | Tuition Fee waiver |
| 85.00% above but below 90.00% | 50% | Tuition Fee waiver |
| 80.00% above but below 85.00% | 25% | Tuition waiver |

PG PROGRAMMES

| | | |
|-------------------------------|------|--------------------|
| 80.00% & above | 100% | Tuition Fee waiver |
| 75.00% above but below 80.00% | 50% | Tuition Fee waiver |
| 70.00% above but below 75.00% | 25% | Tuition waiver |

MERIT CUM MEANS SCHOLARSHIP

MRU offers Scholarship based on merit cum means, to the candidates admitted under reservation for Haryana Candidates. Scheme shall be applicable to all Undergraduate and Post Graduate Programs. The Scheme is

applicable to all students whose parents have annual income up to Rs. 2.80 Lac from all sources. Under the scheme, the students 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 programme concerned.

- One fifth of the twenty five percent shall be granted full tuition fee concession,
- Two fifth of the twenty five percent shall be granted fifty percent fee concession,
- The balance two fifth of the twenty five percent shall be granted twenty five percent fee concession.

MERIT SCHOLARSHIP TO SEMESTER/BRANCH TOPPERS

In order to motivate the students for better and sustained academic performance, MRU offers 'Merit Scholarship to Semester/ Branch Toppers' already in place, for students bagging 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 MRU, as under:

- a) First position : 25% of Tuition Fee or Rs.25,000/-
whichever is less
- b) Second Position : 15% of Tuition Fee or Rs.15,000/-
whichever is less
- c) Third Position : 10% of Tuition Fee or Rs.10,000/-
whichever is less

The following are the guidelines for granting these Merit Scholarships:

1. Any programme must have strength of 90 or more in semester exam to qualify for first, second and third position scholarship, otherwise only a solitary topper shall be given a solitary first position scholarship.
2. If the strength of a course is 10 or less no scholarship will be awarded for that course.
3. A student shall be eligible to benefit for tuition fee waiver only from one source only.

Scholarship Data

| 2016-17 | | |
|--|----------------|-----------------|
| TYPE OF SCHOLARSHIP | NO. OF STUDENT | AMOUNT |
| TUITION FEE WAIVER | 167 | 9033000 |
| SPECIAL APPROVAL OF MGT. | 35 | 1015077 |
| MREI STUDENT | 3 | 15000 |
| CONCESSION TO PHD STUDENTS ON THE BASIS OF LENGTH OF SERVICE | 16 | 240000 |
| | 221 | 10303077 |

Annexures2.2.2.4 Aenclosedfor elaborated details

INFRASTRUCTURE

Learner friendly infrastructure is one of the requisite components of a dynamic institution, MRU being a progressive organization is expanding and increasing its boundaries to facilitate and provide conducive ambience to the learners. **In year 2016-17 the University magnified its infrastructure by establishing some unique centres and faculty.** Apart from utility, these distinctive centres intensified architecture and aesthetics of University and enhanced its uniqueness:

SPORTS SCIENCE CENTRE

Manav Rachna University took a remarkable step by establishing a high performance sports training centre, one of its own kind in India. The sports science centre was inaugurated by Mr. Injeeti Srinivas (DG, SAI) on 13th February 2017. **Enriched infrastructure with well ventilated spacious fitness chambers having tecno body equipments-pro-kin, balance trunk system, isolift system, walkerview just to name a few. Mental Spa Chamber -An extra ordinary feature adds versatility to the ever expanding domain of sports education. Special investment has been done on testing, training and treatment in different domains of physiotherapy, rehabilitation & biochemical analysis.**

Manav Rachna Sports Science Centre has a variety of expert health professionals and academics with three decades of industry experience. The team consists of academics and applied sports rehabilitators, biokinetics experts, sports physiotherapists, sports physiologists, sports nutritionists and allied health professionals who have worked at the top level in a variety of professional and Olympic sports including shooting, badminton, athletics, wrestling, boxing, rugby, football and other variety of sports. Without exception a wealth of knowledge in the areas of high performance, sports science, sports medicine, sports injuries and sports coaching has been established. The centre is associated with a number of Olympians including Ranjan Sodhi and Gagan Narang to mention but a few. The Olympians work directly with our team at Manav Rachna Sports Science Centre as Mentors to ensure that our strategic plan is perfect for supporting both Olympic standard athletes and junior athletes as they develop from the grassroots level.

Main Activities at Manav Rachna Sports Science Centre:

1. To provide physiotherapy and rehabilitation which is directed towards injury prevention strategies.
2. To devise individual, periodised programs to maximize performance for major competitions.
3. Maintenance of fitness of the sportspersons
4. Biomechanical analysis and training of movements specific during sporting activities
5. To provide a vast resource pool of highly skilled sports person at national and international level.
6. To provide nutritional support and food supplementation.
7. To deliver psycho-educational support tackling generated lifestyle and well being, including improving sports activity level. It will also address mental health and stress management, as well as, building confidence, assertiveness and motivational strategies.



BLOOMZ

Manav Rachna University values the contribution of each and every associate and member of Manav Rachna fraternity in keeping with this humanistic approach university has gone extra mile. Under the aegis of Dr. O.P Bhalla Foundation, University launched BLOOMZ – Day Care at campus on 08/03/2017 for children of age group 2-5 years. **Ambience of the day care is so created that it generates feeling of home away from home. The centre is well equipped with all basic amenities such as playing area, comfortable beds, colourful toys, swings and multimedia. Infrastuctre created is capable enough to provide a safe and secure environment and essential care to the tender young ones.**





FACULTY OF LAW

Manav Rachna University added another feather in its cap by establishing faculty of law on **11.7.2017**. Infrastructure of the faculty is extremely modern that goes a long way in facilitating a number of services for students and faculty members. **Spacious amphitheatric style lecture halls for dynamic and focused discussions, moot court hall, judges chamber and legal aid cell.**

The Faculty of Law is committed to provide high quality education by integrating the legal concepts of students with an incisive and practical understanding of law. The program (approved by the Bar Council of India) focuses on a holistic approach to the study of law, taught in the context of the socio-economic- cultural developments in

India. At MRU students are given exposure to cutting edge issues of law and policy ranging from women's rights to international trade. Emphasizing innovative teaching in an encouraging and open academic environment, students are groomed for bright professional careers under the aegis of expert faculty, by providing wide range of exposure on theoretical as well as practical aspects of law. With a high quality education bolstered by unique work experiences, our graduating students will be armed with the skills they need to succeed in a diverse set of fields, both in India and abroad. Graduates of the Faculty of Law shall be able to address the challenges posed by increasing use of technology for conducting businesses, development in product innovations and diminishing global boundaries. Law courses in India are increasingly gaining popularity among students both at the undergraduate and at the postgraduate level. Law programs are now among the top ten programs in India.





RESEARCH CLUSTER:

In August 2016 Manav Rachna University established research cluster to equip students with computing skills. For this purpose the lab is having **high performance desktops, laptops and projecting devices**. The Research Cluster of Computing RIC-3 is an initiative under the aegis of Manav Rachna Innovation and Incubation Centre (MRIIC) to nurture the growth of research work among the faculty members and students of the computing departments of these institutions. The RCC, under the leadership of its team members largely faculty & students is spearheading in the direction of facilitating high quality research in the modern aspects of computer science. The research covers core and related engineering sciences aspects broadly sub-divided into the following areas - Data and Pattern Computing, Signal and Pattern Computing, Communication Networks and Software Systems Development. As defined by cluster head Dr. Jay R. Bhatnagar, research work in computing involves the 3 A's, that is, developing new Algorithms and Architectures, and doing Analysis. The work of the RCC is founded upon this ideology and is divided into 5 sub-clusters. These sub-clusters include the core groups of R & D Funded Projects, Student Competitions and Projects and Industrial Linkages and Collaborations, supported by Training in Advanced Areas and Publications sub-clusters.

The team RCC has human resources structure consisting of cluster head, associate cluster head along with faculty coordinators, area representatives and members. The key role of the RCC is to usher a world-class technical environment for computing in which faculty members and students work together and synergize their innovative ideas into publications, projects and products with ideation-innovation-incubation-impact.



3. Research, Development and Innovations

Research and Development

Manav Rachna University earns its ranking and reputation from the quality of research conducted by its faculty members, scholars and students. As researchers, we are seeking answers to questions of great interest to us. Our research problems are socially and politically relevant, scientific, technical and or interdisciplinary in nature. This knowledge created by research, invariably leads to innovations, new technologies, commercial products and development of startups/industries that have a significant impact on the country's economy.

University facilitates research through "Research Clusters" in different disciplines serving as the specialized groups to foster research culture across the university. Further 'Centres of Excellence' having collaboration with various industries help in conducting research and development work in the areas such as: Solar Energy Applications, Atmospheric and environmental sciences, Clean Water Technology, Green Chemistry, Corrosion Science, Communication Technology, Integrated System Design, Soft Computing, Business Process Modelling and Data Warehousing. Office of Dean Research promotes and facilitates research within various faculty of MRU by providing necessary support for designing and creating new products and conducting experiments and providing advance training to its faculty members in specialized fields.

Research and Publications

ManavRachna University is actively involved in research and publishes papers in National and International Journals of repute. In the **Annexure 3.1.1A** active broad research topics of different departments of the university are given. Also a list of Publication of this University (2016-17) in Journals and conferences are listed. A summary of publications along with highlights is given below:

Summary of Publication 2016-2017

| Faculty | Journal Publications | Conferences |
|------------------------------------|----------------------|-------------|
| Faculty of Applied Sciences | 18 | 3 |
| Faculty of Engineering | 67 | 29 |
| Faculty of Management and Commerce | 8 | - |
| Faculty of Education | 5 | - |
| Total | 98 | 32 |

Highlights of R & D Work:

1. More than 250 publications in last three years in SCOPUS Database/ Web of Science/ Science Citation Index/ Eminent Conferences & Seminars organized by leading professional bodies
2. Total Number of Granted Patents by the Faculty – 15, Patent Applied for- 2, Number of Books and Book Chapters published by the faculty – 33
3. MoU with more than forty International and National Institutions, Research Linkages: IITD, DU, IITR, Central Rajasthan University (Ajmer), MNIT (Jaipur)

Major Research & development events organized in the University:

Manav Rachna University encourages its faculties to promote research activities by organizing, conferences, advanced workshops and Faculty Development activities in the campus. Some of the important activities conducted are given below:

1. Department of Mechanical Engineering organized and participated in One Day National Conference named “National Conference on Emanations of Sustainable Technologies in Sciences, Engineering, Management and Education (ESTESME 2017)” in collaboration with Technical Partner “Indian Society of Heating, Refrigeration and Air Conditioning (ISHRAE) and Sponsors named Eltek System Mumbai, Cogneau Pvt. Ltd. Gurugram and Pie Tech Projects Pvt. Ltd. Faridabad for UG students and faculty members of Mechanical Engineering on April 01, 2017.
2. Department of Electronics & Communication Engineering of Manav Rachna University (MRU) organized its first National Conference on Emerging Trends and Innovations in Electronics and Communication (ETIETE-2016), technically co-sponsored by Institute of Electronics and Telecommunication Engineers (IETE) and Indraprastha Institute of Information Technology, (IIIT, Delhi).
3. MRU was the academic partner for ‘First International Smart Cities in Smart Regions 2016 Conference’, organized by Lahti University of Applied Sciences, Finland.
4. MRU partnered with University of Gloucestershire and President University, to organize ‘International Conference on Family Business and Entrepreneurship 2017’ at Bali, Indonesia.
5. Faculty of Law organized ‘Expert’s Workshop on Criminal Prosecution’ and another on “Right of Senior Citizens”. The two events witnessed majestic gathering of legal luminaries, such as, Justice Deepak Misra and Justice Chelameshwar, judges of the Supreme Court and Justice Rajan Gupta and Justice Ajay Kumar Mittal from the High Court of Punjab and Haryana and senior counsels from Supreme Court of India Mr. Aman Lekhi and Mr. Tushar Mehta.
6. Professor D. K.Sharma was the course coordinator of an Online training course launched by IIRS-ISRO on “Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System” organized at MRU campus from August 22 to November 18, 2016.
7. Faculty of Applied Sciences established a Chapter of Green Chemistry Network Centre (GCNC) in association with Delhi University. The Faculty organized National seminar on “Climate Change and Disaster Management for the Study of Administration of Relief (CSAR)”, on June 28 2016.

Faculty participation and organization of events (Conferences, Workshops, Seminars, Trainings):

Participation in the conferences by faculty members is one of the important aspects of presenting research in progress. Also it gives an opportunity to interact with researchers who are actively working in similar areas. Advanced workshops and training expose young faculties to emerging fields besides refreshing the old subjects. Faculty at MRU are given ample opportunities to enhance their knowledge in respective fields of interest.

| Faculty | No. of conference,/workshop/FDP/attended | Organised conference/Invited talk |
|--------------------------------|---|--|
| Applied Sciences | 13 | - |
| Education | 14 | 9 |
| Management and Humanity | 43 | 2 |
| Engineering | 103 | 14 |

Annexure 3.1.4.B (Details of participation and organised conference/workshop/FDP/invited talk)

Establishing Manav Rachna Research, Innovation and Incubation Centre, Centre of Excellence and Research Clusters:

MRIC is a seminal initiative of MREI and is dedicated to Founder Visionary Dr. O.P. Bhalla whose dream was to encourage research, innovation and entrepreneurship to help the students to develop professional entrepreneurial ability and mindset to set up their own enterprises. MRIC has been established in the Manav Rachna Campus to cater to the needs of students and faculty members who are inclined towards research, innovation, novel ideas and are buzzing with out-of-box thinking.

Since inception, MREI have been striving to develop themselves into institutions of excellence in education and research in consonance with the contemporary and future needs of India through meaningful education, quality research and technological innovations for the industrial growth of the Country. In addition to offering formal Undergraduate and Post-graduate Programs, it actively encourage its faculty and students to undertake in-house and sponsored research and consultancy projects in order to strengthen the research profile of the Institutions. Presently MRU with the support of MRIC is actively engaged in research in several areas of Engineering, Manufacturing, Management, Basic and Applied Sciences and Energy and Environment.

Research and Innovation Clusters (RICs):

Research Clusters are formed as close research groups who are active in research fields of common interest. There are eight Research Clusters under the umbrella of MRIC, namely:

1. Mechanical, Automobile and Aerospace, Head Cluster Dr. Rajeev Nandan Rai
2. Electronics & Electrical Computing, Head Cluster Mr. Umesh Datta
3. Molecular Biosciences, Head Cluster Dr. Shilpa
4. Health Science & Nutrition, Head Cluster Prof. Dang
5. Civil Architecture & Design, Head Cluster Ms. Anjali Gupta
6. Material Science, Head Cluster Dr. Pradeep K. Varshney

7. Atmospheric & Environmental Sciences, Head Cluster Dr. B. M. Bahal
8. Computing Cluster, Head Cluster Dr. Jai Bhatnagar.

The faculty of MRU and its students are actively involved with Mechanical, Electronics & Electrical, Computing, Material Science and Atmospheric & Environment clusters. The main responsibility of these clusters is to provide technological and innovation support for conducting research. Some of its main functions are to:

- a) Cater to research in its domain area and publish in Scopus, Web of Science, Science Citations Index (SCI) Expanded, EBSCO Scopus/SCIE Journals/conferences
- b) Provide advanced training to faculty
- c) Train and mentor students for national and international competitions through innovations
- d) Provide consultancy and extension work.
- e) Training in Advanced Areas or future technologies, Product Development, Collaboration & Consultancy and Patents & IPR.

Centre of Excellence:

Under the aegis of MRIIC, the following Centres of Excellence (CEs) are established in collaboration with reputed industries for enhancing the training & research skills of students. Most of these centres are in collaboration with industries.

1. Smart Energy Centre of Excellence
2. SAP Centre of Excellence,
3. Mitsubishi Centre of Excellence,
4. Sky Testers Centre of Excellence,
5. Automotive Training & Research Centre (Honda Motors),
6. Reliance Jio Centre of Excellence,
7. Sports Science and Rehabilitation Centre of Excellence,
8. Advanced Water Technology & Management Centre of Excellence.

Intellectual Property Rights (IPR):

At Manav Rachna, the IPR cell was established under MRIIC in February 2017 and it has organized more than 10 IPR awareness programs like presentations, external expert speakers, education series etc. It has also organized patent drafting training for the inventors. The IPR cell can be connected at info.ipr@mriic.in for any support on IPR.

In an Institution, Intellectual Property (IP) can be considered as the outcome of research projects, collaborations, consultancies and other activities. The IPR cell adequately meets the needs of the academic fraternity. University has applied for patent applications.

Manav Rachna University faculty has 15 patents to its credit and has recently applied for two more patents. The detailed list in tabular form is given in Annexure 3.2.3.C

Startup and Business Incubator Cell:

Business Incubator has been launched under the banner of MRIIC to bridge the gap between theory and practice so as to enable the students to improve their skills and set up their own startups. With the launch of **Business Incubator (BI)**, financial support of Rs. 2.87 Crores from DST-NESTEDB, Govt. of India was sanctioned for setting up of a Manav Rachna New Generation Innovation and Entrepreneurship Development Centre (MR New Gen-IEDC) in Manav Rachna International University campus (sister concern) to nurture student- entrepreneurial ventures. This facility is open to students of MRU. It has a physical working space of more than 5000 sq. feet area with latest amenities including internet, Wi-Fi, conference rooms, multimedia

projector, pantry, and recreational area. Each startup will receive funding of Rs. 2.5 Lakhs for the developmental work along with recurring grant. Presently 10 startups are being incubated in **MR New Gen-IEDC Centre** and total 85 such startups will be incubated in next five years. Our faculty **Professor B. M Bahal at MRU is mentoring one such incubation project "Aarkaya Solar Solutions"**.

Innoskill 2017:

Manav Rachna Educational Institutions unraveled a fascinating world of innovation and technology at Innoskill 2017 as part of its 4th Founders Day celebrations. April 3, 2017: Innovation and technology were the buzzwords at Innoskill 2017, the annual technical festival which got off to a pulsating start at the Manav Rachna campus and was inaugurated by Smt Satya Bhalla, Chief Patron, MREI; Dr Amit Bhalla, Vice President, MREI and Mr. Rajiv Kapoor, Executive Director-Group HRM at UNO Minda, Gurgaon. Students from MREI's Schools and Colleges showcased their dream projects and innovations. With students/faculty members of Delhi-NCR giving a free rein to their imagination and innovative talent, 'INNOSKILL 2017' crystallized into a trail blazer packed with mind-blowing gizmos, robots, workshops and techshows.

It was noteworthy that as many as 460 students participated at Innoskill 2017 which had on display 55 projects at the campus. The salient features of INNOSKILL-2017 included Project Competitions involving SRIJAN (Project Demonstration competition for the youth), **DIGITAL BHARAT in which students pitched their projects** in areas such as the Internet of Things (IOT), Environment & Healthcare, Mobility, Energy Management, Automation, Building Resilience and Technology for Rural areas etc.

Through Tech shows, more than 800 students and 100 faculty members were privy to Metal Laser Cutting Machine, Artificial Intelligence, Advanced Infrared Technology, and Air Quality Monitoring System not to mention Quantum Computing Technology. Innoskill 2017 also showcased Startups and Projects by Manav Rachna Research Innovation & Incubation Centre.

Research Integrated UG program:

Manav Rachna University has partnered from July 2016 with Accendere, a **Career Launcher Educate group** for establishing Industry Academia Research Collaboration whereby we enable our undergraduate students to participate in research and innovation projects, producing research publications in high impact factor journals along with patent filings and start-ups with regular mentoring from the science, engineering and management communicators. Under this partnership students undergo mandatory training in research field which is spread over a period of 4 semesters and starts with introducing the students to what research and development means and culminates into writing of an original scientific paper or development of a prototype.

For the last one and half years students have been involved in scientific research in the form of case studies, reviewing current research topics, experiments, real time implications etc. Their domain target ranges from communication to construction, portraying their extreme skills and interest. This kind of research involvement provides students hands on experience and knowledge in addition to their regular course work. All undergraduate students are given access to research enhancer tools viz. Research Index, Deep dyve platform etc. Students in their second year start research activity which continues up to third year. Already the program has been initiated in two batches of engineering: 2015-16 and 2016-17.

Students of 2016-17 i.e. 3rd Semester (completed six month work) have started literature review work. Out of 277 students 244 have successfully completed first phase of the literature review.

5th Semester students have devoted one and half years for research work. In this batch seven students have confirmed Publications, thirteen have communicated to Journals and conferences and in sixty two cases draft is in the final stage of preparation and soon will be communicated.

Innovations and competitions won:

Research and development (R&D) activities fuel innovations which help scientists and researchers to develop new knowledge, techniques, and technologies. This results in increased productivity. Growth in productivity leads to growth in the economy.

With this guiding philosophy Manav Rachna University encourages its faculty and students to invest in innovative projects. MRIIC, a central facility on the campus, further supports such innovation through its "Research and Innovation Clusters" and centre of excellence which provide required technology and mentoring support to its innovators.

Some of the innovative projects of 2016-2017 which have received recognition at the national and international level are mentioned below:

Some of the important innovation based competitions won by students

- a) 2016: Team Kronos comprising Aakash Lohan, Anjan Kar and Himanshi Bhadana bagged the second position in the national finals of the Microsoft Imagine cup under world citizenship category.
- b) 2017 Valeo Innovation Challenge: Team "TECHSPIRITS" comprising Vansh Mudgil, Tarundeep and Abhijeet participated in Valeo Innovation Challenge 2017 and have been shortlisted as one of the 24 semifinalists from among 1628 participating teams. They have been provided with the grant of ₹5,000 to develop the prototype. Final round of the competition will take place in Paris.
- c) MRU student Roopam was selected as "India's top innovators under 35", organized by Mint, HT Media Ltd, and MIT Technology Review. He was mentored by John Chambers, Founder Chairman Cisco to further work on his idea.
- d) In 2016, Neeraj Saini was invited by University of Pennsylvania to participate in fall's Penn Apps event. He attended the same followed by another event Hack MIT organized at Massachusetts Institute of Technology. He received funding of USD 500 from University of Pennsylvania to attend the event. He was also invited to showcase his R&D work at the HUB week. Founded by The Boston Globe, Harvard University, MIT and Mass General Hospital, HUB week is a first-of-its-kind civic collaboration that brings together the most creative and inventive minds making an impact in Boston and around the world. Neeraj has been recognized as one of the world finalists for the Tomorrow challenge 2016, a global event for most promising Science Technology projects and Startups. The event was held at Paris in the month of October.
- e) Dhruv Dangji, developed an app named 'Transparency' and won the first prize of ₹ 1,00,000 /- under "Apps for YU Challenge" organized by YU from Micromax.
- f) **TERI-New Zealand India sustainability Challenge 2017**: Two teams from MRU have qualified regional final and made it to the second round of the competition.
- g) **G-STIC 2017**: GiveYour Wings to the PinkBin, Akanksha Ahuja (CSE, IV Year, MRU; student member Atmospheric and Environmental Sciences Cluster) participated in the Global Science, Technology & Innovation Conference (G-STIC) 2017 under the supervision of Prof. (Dr.) B.M. Bahal and Ms. Meena Kapahi. Akanksha emerged as one of the top three winners in Student Challenge category all over the world.
- h) Finally, she was invited to participate in **G-STIC 2017** being organized in Brussels from 23 to 25 October to present her idea. At Brussels she was declared overall winner of the G-STIC 2017 competition where she also presented her idea in the plenary session. She was highly appreciated for the innovative work.
- i) **MIT Climat colab 2017**:
- j) Akanksha Ahuja, under the mentorship of Prof. (Dr.) B.M. Bahal and Ms. Meena Kapahi, is currently participating in the competition "MIT Climatecolab 2017" presenting the project "**From Agro-Wastes to a Sustainable income**". Paddy and wheat straw which is otherwise burnt by the farmers during harvesting season causing severe pollution to nearby cities. An alternative solution is proposed where a bioconversion of paddy/wheat crop residues is used for cultivation of the nutrient-rich Oyster mushrooms through a simple and low-cost technology. The waste left after harvesting of mushrooms can be fed to cattle or made into manure - leaving no waste at all. It has the potential to generate

employment for the laborers and opens entrepreneurial avenues across the country.

Incubation & Start-Ups :

University provides awareness to students about Entrepreneurship and helps them ideate their business ideas and develop business plans. Team of NEN (National Entrepreneurship Network) certified Faculty members and Manav Rachna Research Innovation and Incubation Centre (MRIIC) are entrusted with handholding these students. Events like Innoskill, Start up Jalsa 2016 (<http://startupjalsa.com/>) organized at ManavRachna Campus, provide an ideal platform bringing the venture capitalists and aspiring entrepreneurs together. MRIIC provides facilities to both students as well as faculty members to come up with their start ups which can be incubated in-house. The Centre tries to identify mentors from industry specific to the requirement of the area of startup. Tie up with Wadwani Foundation/ National Entrepreneurship Network for Training, Course material, Networking, Mentoring etc. creates a favorable environment.

Some of the Alumni Startup Ventures are:

1. Sihag&Mohit Bahl: **TechnoPlanet Pvt. Ltd.** (technoplanetlab.com/)
2. AnubhavSukhija: **Cricket Gear**; onlinesale
3. HimanshuSehgal: **Travel & Food Blog - My yellow Plate** (www.myyellowplate.com/)
4. Karishma Gupta: **Kattitude Crunch & Trends** (Facebook Page - Kattitude Crunch & Trends)
5. Sunakshi Mehta: **Website Sketchers Pvt. Ltd.** (www.websitesketchers.com)
6. Tarush Jain: **Brainwiz** (brainwiz.in)
7. SaurabhNagpal: **Visie- Analytics Solutions** (visie.co.in)
8. Rubina Ashri: **Ashri Traders** (fleashoppers.com)
9. Ajit Pal Thind: **Mansaa** (<http://www.mansaa.io/>)
10. NeerajSaini&Roshith: **Respiro** (respiro.in)
11. Roopam Sharma: **ManovueVenture**, product development stage
(<https://www.youtube.com/watch?v=3K2JvwrGzA4>)

4. PROFESSIONAL ACHIEVEMENTS OF MRU FACULTY

The faculty members of Manav Rachna keep themselves updated in consonance with emerging trends in education and latest thrust areas in research by involving in various academic activities. Following details throw light on their remarkable achievements, participation along with their endeavors in different associated fields. Their contribution is commendable in empowering learned society either by becoming member of committees, invited speaker, reviewer /editor of research journal or external examiner etc., Several Faculty members are given special recognition and awarded for their exemplary work during session 2016 -17. Listed below are some of their participations, awards and recognitions:

FACULTY OF APPLIED SCIENCE

Members of committees

1. Ms. Meena Kapahi was member of the **reviewer group-Smart Cities in Smart Regions 2016** Conference, May 2016, Lahti university of Applied Sciences, Finland. She was also a member of **Technical Review Group**, International Union for Conservation of Nature_ World Conservation Congress (IUCN_WCC), September 2016, Hawaii. In addition to this she is also **Commission Member** of International Union for conservation of Nature, Commission on Education and Communication(IUC CEC) Higher Education, Knowledge

- Management and Capacity Development, NatureForAll,CEPA, Social and Behaviour Change Communications , South and South-eastern Asia 2017-2020.
2. Dr. Jai Parkash is **reviewer** of the Journal of **Alloys and Compounds**.
 3. Dr. Haider Abbas is **reviewer** of the Journals; **J.Fluorescence, Materials Letters, Materials Chemistry and Physics, J. n-Cryst Solids, J. Materials Chemistry C**.and was also the **member of Selection Committee** of Physics Department at MRU.
 4. Dr. Anshuman Sahai was member of **Materials Research Society of India (MRSI), Neutron Scattering Society of India** and also **reviews Journal of Physics D: Applied Physics**.

Other achievements

1. Ms. Meena Kapahi attended an International Summer School 2017 (29 MAY - 9 JUNE, 2017), **Lahti University of Applied Sciences (LUAS)**, Finland, as a **visiting lecturer**.
2. Ms Meena Kapahi was **convener** of National Seminar on Climate Change and Disaster Management organized by Manav Rachna Educational institutions (MREI) & the Centre for the Study of Administration of Relief (CSAR) on 18th June, 2016 at MR campus.
3. Dr. Anshuman Sahai was **awarded** with **INSPIRE Fellowship** by DST India.

Faculty of Engineering

4.2.1 Members of Committees

1. **Ms. Hanu Bhardwaj and Dr. Jyoti Pruthi** are **reviewer of journals**; International Conference on Advances in Computing, Communications and Informatics **ICACCI-2016, Jaipur, India (2016)**.
2. **Dr. Jyoti Pruthi** is **reviewer** of the **Second International Symposium on Computer Vision and the Internet (VisionNet'15)**, Kerala India (2015).
3. **Dr. Jay Bhatnagar** was **member of Advisory committee** ASCC 2018. He also **reviews** Journals; IEEE SMC B, IET (formerly IEE UK) UK Wireless Comm. 2013 onwards. Apart from this he was also the **advisory member** of JJTU PhD program.
4. **Ms. Manpreet Kaur** is **Board Member of the International Journal of Mathematics Trends and Technology** along with INDIACOM 2018.
5. **Mr. Hardeo Kumar Thakur** was **members** of International Conference on Computing ,communication and Automation (**ICCCA 2018**), International Conferences on Advances in Computing, communications and informatics (**ICACCI 2015, 2016, India Com 2018**). He also **chaired** the session of **ICCCA 2017** along with it he was **session chairperson** of INDIACOM 2018 at Institute of computer applications and management. Apart from this he is also **reviewer** of the International journal of Service, Management, Engineering, and Technology IJSSMET, International Journal of Information Retrieval Research IJIRR.
6. **Ms. Yogita Gupta, Ms. P.M Arivananthi, K. Deepa, Ms. Nitika, Dr. Yogendra Kumar Awasthi** were **members** of the **organizing committee**, National conference on Emerging trends and Innovations in electronics and communication ETIETE/ June 28, 2016/ MRU, Faridabad.
7. **Dr. Yogendra Kumar Awasthi** was **member of the Program Committee**, "International Conference on Next Generation Computing and Communication Technology" (ICNGCCT-17) Annamacharya Institute of Technology and Science, Rajampet, India on 18th-19th March, 2017, Technical Program Committee, "Futuristic Spectrum of Mechanicompuctronics & Applied Sciences 2016" (FSMCAS2016) Dr. Bhim Rao Ambedkar University, National **Advisory Board**, "International Conference on Applied Sciences, Engineering Technology and Management 2017 (ICASET M)", DRK Institute of Science and Hyderabad, Telangana, 2nd-3rd November, 2017.

a) **Dr. Yogendra Kumar Awasthi** is also **member of Editorial Board of UGC Approved Journals**:

- I. International Journal of Electrical and Electronics Engineers (UGC Report) www.ijeee.co.in.
- II. International Journal of Science, Technology and Management (UGC Report) www.ijstm.com
- III. International Journal of Advance Research in Science and Engineering (UGC Report) www.ijarse.com.
- IV. International Journal of Advanced Technology in Engineering and Science (UGC Report) www.ijates.com.

b) Dr. Yogendra Kumar Awasthi is reviewer of following Journals:

- I. Reviewer, IEEE Antennas and Propagation Magazine.
 - II. Reviewer, IEEE Transactions on Antennas & Propagation
 - III. Reviewer, AEUE – International Journal of Electronics and Communication, Elsevier.
 - IV. Reviewer, Journal of Electromagnetic Waves and Applications (JEMWA), Taylor & Francis
 - V. Reviewer, International Journal of Electronics, Taylor & Francis.
 - VI. Reviewer, Applied Computational Electromagnetic Society, ACES
 - VII. Dr. Yogendra Kumar **Awasthi reviewer of Funding Agencies** of Department of Science & Technology (DST) funded Project.
 - VIII. Dr. Yogendra Kumar Awasthi is member of the **Review Committee National/** International Conference Manav Rachna International University, Fbd, HR.
8. **Dr. Sujata Nayak** is a reviewer of the Journals Applied Energy .She was also the Organising Secretary of , ESTESME 2017 and **Mr. Ajit, Mr. Sanjay Taneja, Mr. Ramesh Chandra Chaturvaedi, Mr. Jai Parksh Taneja, Mr. Piyush, Mr. Gianendra, Mr. Nazish Ahmed Shamsi, Mr. Mandeep Badhana** were organizing members of the committees. Along with this she is also member of the **Selection Committee** Faculty Recruitment process.
 9. Mr. Piyush Mahendru is member of **Extended Working Committee** Member of ISHRAE Delhi Chapter
 10. Mr. Gianender is **members of the CEGR, New Delhi and Placement Committee at MRU**
 11. Dr. Mange Ram Tyagi **was** Chairman of the **Sectional Committee (PGD-19)**, Bureau of Indian Standards, New, Delhi
 12. Ms. Rinki Yadav **was member of the Centre for Education Growth and Research (CEGR)** New Delhi
 13. Mr. Ajay Kumar Agarwal **was Sponsorship Coordinator** at ESTESME-2017. He is also the **Editor** of Journals, **A. R. Publications and Conference World; IAENG HongKong.** In addition to that he is also the **reviewer of Journals IJSER and IASIR, USA.**
 14. Dr. Baldev Dutt Pathak **was the** Chief Patron of ESTESME 2017.
 15. Mr. Pradeep kumar Mouria **was the** Member of Organizing Committee ESTESME 2017.

Awards and Certification

1. Ms. Hanu Bhardwaj, HoD Computer Science & Technology, won the first prize under the 'Inspire Faculty Contest for Distinguished Facilitator' for successfully incorporating agile methodology in first year programming courses at Manav Rachna University. She was awarded with a *tablet PC*. The award was during Inspire Faculty Excellence Awards - annual event on 29th June, 2016 at Infosys Chandigarh Development Centre
2. Mentioned faculty members were **recognized as silver and bronze partner under infosys inspire** – The Campus Connect faculty Partnership in 2016 & 17.: **Ms. Hanu Bhardwaj –silver , Ms. Jyoti, Ms. Neelu ,Ms. ,Ms. Nitika, Ms. Priyanka, Mr. Ram Chaterji –Bronze**
3. Mr. Nazish Ahmed Shamsi completed a Certificate course of AutoCAD.
4. Ms Rinki **certified** for SAP MM COURSE COMPLETION CERTIFICAT
5. Mr. Prashant **certified** for Course Of Autocad, UNIGRAPHICS AND MOLD WIZARD ON unigraph
6. Mr. Sudhir Singh **certified** for SAP MM course completion.

7. Ms. Ruchi Chaudhary **certified** for DELCAM CNC programming from RVM-CAD centre.

Invited speaker&Session chaired

1. Dr. Sujata Nayak was invited as speaker at Lingayas GVKSIMT on 28th May, 2016 in a National Conference on : Recent Developments in Science and Technology at Lingaya's GVKS Institute of Management & Technology and she delivered lecture on topic - Performance Evaluation of an integrated Hybrid Photovoltaic-thermal and Earth air heat Exchanger Greenhouse system”.

2. Dr. Sujata Nayak was invited as speaker at YMCA University of Science and Technology on 4-8 July 2016 on topic “Solar energy applications for greenhouse system”.

3. Dr. Mange Ram Tyagi chaired a session in an International Conference on Quality, Productivity and Reliability (ICQPROM) on 7th Dec 2016 at MRIU.

4. Dr. D. K. Sharma is nominated as a COSPAR Associate by the Committee on Space Research (COSPAR), Paris (France).

FACULTY OF MANAGEMENT AND HUMANITY

4.3.1 Members of Committees

1. Dr Priyanaka Srivastava is member of **AIMA, Jharkhand Journal** of Social Development.
2. Dr Rajat Gera is reviewer for **Emerald** (IJEM, JRIM, Asia Pacific Journal of Marketing and Logistics), **Inderscience** and **Palgrave** journals.
3. Dr Akhilesh kr. Dwivedi is **editor of the journal “Criterion: An international Journal in English”**

Awards / Certification/Degree

1. **Prof Dr. S Srivastava awarded International Honorary Research Fellowship for five years upto 2021 at Lahti University of Applied Sciences, Helsinki, Finland by Prime Minister of Finland**
2. Dr. Pragati Chauhan was **awarded Doctoral Degree** in 2016.
3. Dr Priyanaka Srivastava was **awarded Silver Partnership** from Infosys.
4. Dr. Bindu Agrawal, was **certified as Master Business Coach by leading simulation Games Company, Marketplace@ Live, USA**. She earned this certification at Townsend, Tennessee, USA in the month of April 2017. It was a funded training programme by Market Place Live. She was also **awarded and honored as The Great Contribution to the Society**, on 18th Feb 2017 & 8th Feb 2015 for imparting Snaskars to the kids of age group of 7- 11 years for the last three years continuously on every Sunday as social service. She is a trained Sanskar Kendra Teacher by Art of Living NGO. The module of Sanskar Kendra has been developed by Sri Sri Ravi Shankar Ji for the 52 weeks.

Other Achievements

1. **Prof Dr S Srivastava** delivered the Keynote Address at **2017 International Conference on Family Business AND Entrepreneurship** (ICFBE 2017) Grand Inna Sanur Bali Beach Hotel, May 3-5, 2017
2. Dr Rajat Gera was invited to **chair the International Conference** on Family Business and Entrepreneurship, Bali-Indonesia, May 3-5, 2017.
3. Dr Priyanaka Srivastava Got a **Paper Published** in **International Scopus Indexed** Journal "Global Business Economic Review"

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FACULTY OF LAW

Invited Judge

1. Dr. Versha Vahini **Judged** the **Moot Court** competition, held at Raffles University, Neemrana in the month of March, 2017; and also judged the **Moot Court** competition, held at Ansal University, Gurgaon in the month of April, 2017.

FACULTY OF EDUCATION

Members of Committee

1. Dr. Babita Parasher is the **Editor of Teacher Education Journal** and the **Reviewer of Journal of Educational and Psychological Research**, (ISSN: 2230-9586.)

Other Achievements

1. Dr. Babita Parasher **chaired Session** at National conference on Emanations of Sustainable Technologies in Engineering, Science, Management and Education on 1st April 2017

PhD Degree

1. Dr. Jasmeet Kaur was **awarded Ph.D** Degree by Jamia Millia Islamia in June 2017

Apart from these faculty members from different departments were also invited as external examiners for evaluation at various universities and institutions such as YMCA, Amity, SGT, Mahatma Jyoti Rao Phoolke University Jaipur etc. during session 2016-17.

5. INTERNSHIP AND PLACEMENT

SUMMER TRAINING AT MANAV RACHNA UNIVERSITY, FARIDABAD

B.Tech/BSc./MSc course curriculum are premeditated to acquire core subjective knowledge for resilient foundation. Subsequently, taking admission in these courses one can learn and understand fundamentals to fit into employment market as well as smudge them in research. In case of MBA this is the best chance for students to get middle management industry exposure.

Today all organizations are looking for those graduates / degree holders who are technically sound, creative and analytical. Summer training performs an important part to develop these skills. It takes students to real-world exposure to gain practical knowledge. This way both employer and employee will be benefited up to a certain extent as summer training is:

- Beneficial to gain in-depth technical knowledge of opted engineering stream
- Helps to enhance technical skills in real time environment
- Aids to understand area of interest and selection of area of specialization
- Helps to learn basics of how to work as a team member to complete given tasks
- Real time work and workshop projects help to learn more analytically
- Interaction with experts help to solve queries with practical exposure
- Certificate obtained from reputed organization give weightage to resume or curriculum vitae
- Projects during summer training help to judge learners' capabilities and skills

At Manav Rachna University all the Departments emphasize on numerous activities acknowledged as modules depending upon the requisite of several industries. These modules embrace several types of platforms for designing and simulation of software as well as hardware. These modules make the students industry ready and also empower them to pursue their research to the extent of prototyping and simulation. Moreover, students are not constrained within University premises for summer training; instead they are endorsed to join the reputed industries to have the essence of real world.

SUMMER TRAINING MODULES (2016-2017)

DEPARTMENT OF ME

SUMMER TRAINING MODULES FOR POST SECOND SEMESTER

| SR. NO. | NAME OF MODULE |
|---------|----------------|
| 1 | ED-AutoCAD |
| 2. | Workshop |

SUMMER TRAINING MODULES FOR POST FOURTH SEMESTER

| SR. NO. | NAME OF MODULE |
|---------|--------------------------------|
| 1 | INFOSYS SOFT SKILLS |
| 2. | CNC TRAINING at RVM CAD CENTRE |

SUMMER TRAINING MODULES FOR POST SIXTH SEMESTER

| SR. NO. | NAME OF MODULE |
|---------|---------------------|
| 1 | HVAC |
| 2 | ANSYS 17.0 |
| 3 | CATIA |
| 4 | INDUSTRIAL TRAINING |

During the summer training Mechanical Engineering Department taught different new age technology and software. The seed of creativity and knowledge was sown from initial days of learning by teaching students AUTOCAD and Workshop Technologies post 2nd semester. During this part of summer training students were familiarized with the initial 2-D and 3-D modeling software AUTOCAD and Manufacturing processes in Mechanical Workshop to give them the insight of basic processes and design consideration

Post Fourth Semester industry specific software and modules were taught, Students were trained in 3-D modeling tools like CATIA, SOLIDWORKS, CREO, UG-NX which will help students in modeling their design, students were taught Machining & manufacturing software like DELCAM, MASTERCAM, CNC Programming, these software are helpful in creating the production layout, Prototypes and Models for Analysis and realization of their concept.

To further increase the credibility and performance, Post 6th semester Simulation tools like ANSYS, HYPERMESH were taught to students to empower them to validate their design and simulate the performances

of their designs which helps students in developing product that is economically, ecologically fit for the industry and users. This gives students an added advantage over majority pool of other students from various institutes.

Students also had option of learning HVAC module, that prepares students to have wide career scope in Heating Ventilation Air conditioning and Refrigeration industries, HVAC&R industries have taken a huge leap in recent years. MED helps students learn the concept and new age technology to get into HVAC& R industry, Food processing and Process Industry and match with the pace of the organizations.

MED allow students to learn from the industry experts in their den through Industry Summer Training Module. Students were given the opportunity to join the vocational training at the industry and organization of their choice to learn the crucial business processes of the industry of their choice. The summer training module of MED was so structured that it maintained continues growth of students in multifold including professional ethics, communication skills and programming languages along with domain knowledge.

SUMMER TRAINING MODULES (2016-2017)

DEPARTMENT OF CST

SUMMER TRAINING MODULES FOR POST SECOND SEMESTER

| SR NO. | MODULE NAME |
|---------------|---------------------|
| 1 | TESTING (SKYTESTER) |
| 2 | PYTHON |
| 3 | ICARNEGIELAB |

SUMMER TRAINING MODULES FOR POSTFOURTH SEMESTER

| SR NO. | MODULE NAME |
|---------------|--------------------|
| 1 | CLOUD COMPUTING |
| 2 | ANDROID |
| 3 | PHP |
| 4 | NS2.3 |

SUMMER TRAINING MODULES FOR POST SIXTH SEMESTER

| SR NO. | MODULE NAME |
|---------------|--|
| 1 | INFOSYS CAMPUS CONNECT MODULE TRAINING |
| 2 | JAVA |
| 3 | WEB DESIGNING WITH JHOOMLA USING PHP |
| 4 | PERSONALITY DEVELOPMENT TRAINING |

1. SkyTester, Python and Icarnegie Lab

Computer Science & Technology Department conducted summer training program of 60 hours for post second semester students. Students were trained for two courses: Software Testing and Python. Well known Experienced Engineers from SkyTesters Industry exposed the students to testing on live projects so that the quality of software can be enhanced. Students learnt Python programming language through hands on industry oriented projects like Gaming software, data analysis and image processing .This course was delivered to our

students by an IIT Delhi Alumni. These two modules have very high demand in IT market. Apart from this the Icarnege certified faculties of CST Department conducted SDP(Software Development Program) Workshop of 45 hours for Electronics and Mechanical students where students were trained on java Programming. This workshop was based on Project based problem solving.

CST Conducted summer training for post 4th semester students in which advance technologies like Cloud Computing,Android,NS2.3,PHP were taught to students by faculties. Hands on Projects were assigned to students to learn these technologies.

2 Infosys Campus Connect Module Training

CST Department conducted Infosys Campus Connect Module training for post sixth semester students. Students applied their conceptual knowledge on the assignments provided by Infosys Campus Connect Module. These Assignments covered core subjects like Relational Database System, Java Programming, Software Testing, and IWT. After completion of all assignments, they appeared in Online Test. Those who cleared will get certificates from Infosys.

3. Personality Development training

Apart from technical Training Career Development Cell organized Personality Development training for students which covered Group discussions, Presentations etc.to enhance the communication skills of students. CDC also conducted Aptitude Training for students.

SUMMER TRAINING MODULES (2016-2017)

DEPARTMENT OF ECE

SUMMER TRAINING MODULES FOR POST SECOND SEMESTER

| SR. NO. | NAME OF MODULE |
|---------|--|
| 1 | PCB and Circuit Designing in association with CROMA CAMPUS |
| 2 | Analytical Solutions of Electronic Components using MATLAB |

SUMMER TRAINING MODULES FOR POST FOURTH SEMESTER

| SR. NO. | NAME OF MODULE |
|---------|--|
| 1 | PCB and Circuit Designing in association with CROMA CAMPUS |
| 2 | Infosys Campus Connect |

SUMMER TRAINING MODULES FOR POST SIXTH SEMESTER

| SR. NO. | NAME OF MODULE |
|---------|---|
| 1 | Designing Multi-Band Antennas Using Hfss Simulation Tool. |

| | |
|----------------|---|
| 2 | CCNA Module |
| 3 | Projects Like Line Follower, Obstacle Detector, Fingerprint Sensing Using Arduino |
| SR. NO. | NAME OF MODULE |
| 1 | Automation Using Programmable Logic Controllers (PLC Ladder Logic) |
| 2 | Image Processing Using MATLAB |

The objective of this summer training was to familiarize the UG students with the principles, developments and research trends in the area of Electronics & Communication. The summer training had enclosed the impeccable arrangement of conceptual and hands-on sessions in together. The components included various software as well as hardware components that have enhanced the technical skills of students.

1. ONE WEEK WORKSHOP ON "PCB AND CIRCUIT DESIGNING"

PCB Designing is one of most emerging fields in Electronics in today's era. PCB designers are key personnel in Research and Development (R&D), electronics production units as well as in the PCB industry. The workshop was aimed to provide knowledge about simulation tools to design and simulate electronics circuits. PCB design software titled Cad Soft EAGLE & Proteus were provided to students for hands on. Following content are covered in workshop:

(1) Schematic Design , (2) Component Footprint Design, (3) Integrated Library Design (4) PCB Design & Routing

2. ANALYTICAL SOLUTIONS OF ELECTRONIC COMPONENTS USING MATLAB

In this module, characteristics of Electronic devices were realized. All the derived results of respective device characteristics were plotted using MATLAB tool with the help of mathematical equations. Further enhancing the same, device level simulation was performed on Simulink tool.

3. PROJECTS LIKE LINE FOLLOWER, OBSTACLE DETECTOR, FINGER PRINT SENSING USING ARDUINO

ARDUINO workshop of 40 hours was conducted for ECE students. Students were given hands on training with small modules and projects using ARDUINO Uno and thereafter, groups choose their projects (Obstacle detector, Robotic hand, Line follower Robot with PID controller, LED cube matrix). For their respective projects students made their hardware design and programming.

4. IMAGE PROCESSING USING MATLAB

A short term course on "Digital Image Processing "was conducted for the students by the Department of ECE, MRU. The course focused on the fundamentals of Digital image processing techniques. The course covered the topics starting from the image representation, uses of image processing, applications of image processing etc. Different types of image representation formats and their significance, spatial and frequency domain techniques of image enhancement, image restoration etc were covered. The concepts of audio signal processing were also introduced. It included the production, representation of audio signals, and visualization of signals in time and frequency domain. The synthesis of audio signals using various filtering techniques was carried out.

Video processing concepts were also introduced. All the concepts and techniques were realized using Digital Image and Sound processing toolbox in MATLAB. Minor project on vehicle identification and face

detection were also implemented. The participants participated in the course with great enthusiasm and few of them showed their interest in continuing further to develop major projects in future.

5. DESIGNING MULTI-BAND ANTENNAS USING HFSS SIMULATION TOOL

The objective of this summer training was to acquaint the ECE students with the principles, developments and research trends in the area of microwave, antennas and propagation. The summer training had covered the perfect combination of theory and practical sessions in the well balanced manner. This work will certainly help students to improve technical skill set and hence employability quotient. This will also help them to explore the field of microwave and antennas for finding new possibilities of development in the field.

Students spent many extra hours working on the design aspects of antenna. The main contents of the course had been as follows:

(1) CAD-HFSS: Hands on Session, (2) GPS Antenna for Global Navigation Satellite System (GNSS) (3) Circularly Polarized Antenna for GPS, (4) Multi-band Antenna (Penta & Hexa- bands) (5) Antenna for Bluetooth.

6. CCNA MODULE

In this module students were gone through the basics of routers and switches that constitute the main elements of networking. After attending this modules, students were able to configure local networking with the help of static/dynamic routing, Telnet, VLAN as well as VTP/STP.

7. AUTOMATION USING PROGRAMMABLE LOGIC CONTROLLERS (PLC LADDER LOGIC)

In this module, the basics of PLC and its ladder logic programming was introduced to students. Students learned design tool and simulated the same in real time application on the PLC software, IDEC. Some of the applications designed were Automatic Car Parking System, Elevator Control System, and Automatic Coffee Maker Machine etc. After the hands on the software efficiently, the students were introduced to the Hardware of PLC available in Control Systems Engineering Lab, The laptops were interfaced with the hardware and then students checked all the applications designed physically on the hardware.

SUMMER TRAINING MODULES (2016-2017)

DEPARTMENT OF MANAGEMENT AND COMMERCE

| S NO. | SUMMER TRAINING ORGANIZATIONS |
|-------|---|
| 1 | Cygnus Hospitals (Rewari, KKR, Panipat, Sonapat, Nangloi, Gurgaon) |
| 2 | 7ps of service marketing in VUE MAGIQUE RESORTS AND CAMPS Chail, HP |
| | Accounting & us gaap at KCC , New Delhi |
| | Accounting entries at Talbros Automotive Ltd, Faridabad |
| | Finance and Accounts at KCC, New Delhi |
| | Financial Accounting at Royal Touch Interiors Pvt Ltd, New Delhi |

| | |
|---|---|
| | Future of Indian Retail Industry with special focus on Pantaloon Retail India Ltd, Gurgaon, Haryana |
| | Identifying a stock for creating investment portfolio at Modex Intl Securities Ltd, Delhi |
| | Marketing Strategies in Equat Advertisement |
| | New Venture creation at NIESBUD, Noida |
| | Organization study with reference to Finance & Account at GarirAutomotivesPvt Ltd, Faridabad |
| | Promotion of heavy equipment of construction in Paramjit Construction Co |
| | Promotion of tags at One stop Packaging Inc |
| | Study of wood industry and its marketing at Joss House Wood products, Benaras, UP |
| | Understanding of home delivery milk sales through card system At Mother Dairy, Faridabad |
| 3 | A study on Search Engine Optimization at Cricket gears, Faridabad |
| | Accountancy Practices at One stop Packaging Inc, Faridabad |
| | Digital Marketing |
| | E-commerce with consumer perception & related risk at Cricket Gears, Faridabad |
| | Marketing in AM.AS engineering works, Faridabad |
| | Sales and Retail management at MeenaJewellers, Pilbhit, UP |

SUMMER TRAINING MODULES (2016-2017)

5.5 DEPARTMENT OF CHEMISTRY

| Sr. No. | Summer Training Organization |
|---------|---|
| 1 | NCCB, FARIDABAD |
| 2 | DELHI UNIVERSITY |
| 3 | SHREYA LIFE SCIENCES, ROORKEE |
| 4 | IOCL, R & D FARIDABAD |
| 5 | SIDDHARTH GREASE & LUBES PVT. LTD., MANESAR GURGAON |
| 6 | NCCB, FARIDABAD |
| 7 | DELHI UNIVERSITY |
| 8 | IOCL, R & D FARIDABAD |
| 9 | SIDDHARTH GREASE & LUBES PVT. LTD., MANESAR GURGAON |
| 10 | SHREYA LIFE SCIENCES, ROORKEE |

| | |
|----|-------------------------------|
| 11 | DELHI UNIVERSITY |
| 12 | IOCL, R & D FARIDABAD |
| 13 | SHREYA LIFE SCIENCES, ROORKEE |
| 14 | IOCL, R & D FARIDABAD |

SUMMER TRAINING MODULES (2016-2017)

5.6 DEPARTMENT OF PHYSICS

SUMMER TRAINING MODULES FOR POST SECOND SEMESTER (B.SC.)

| SR. NO. | NAME OF MODULE |
|---------|--|
| 1 | Design and implementation of fire alarm on veroboard and breadboard. |
| 2 | Solutions of Advanced Mathematical problems. |

SUMMER TRAINING MODULES FOR POST SECOND SEMESTER (M.SC.)

| SR. NO. | NAME OF MODULE |
|---------|--|
| 1 | Fabrication and Characterization of MEHPPV based organic light emitting diodes |

The objective of this summer training was to apprise the students with the principles, developments and research trends in the area of organic devices, working projects in electronics and solution of mathematical problems. The summer training had covered the perfect combination of theory and practical sessions in the well balanced manner. This work will certainly help students to improve technical skill set and hence employability quotient. This will also help them to explore the field of organic electronics for finding new possibilities of development in the field.

SUMMER TRAINING MODULES (2016-2017)

5.7 DEPARTMENT OF MATHEMATICS

SUMMER TRAINING MODULES FOR POST SECOND SEMESTER (B.SC.)

| SR. NO. | NAME OF MODULE |
|---------|----------------------------------|
| 1 | Communicative English |
| 2 | Number Theory & Its Applications |
| 3 | Web Designing Using Dreamweaver |

SUMMER TRAINING MODULES FOR POST FOURTH SEMESTER (B.SC.)

| SR. NO. | NAME OF MODULE |
|---------|-------------------------------|
| 1 | Soft Skills |
| 2 | Mathematical Logic |
| 3 | Sampling & Hypothesis Testing |

SUMMER TRAINING MODULES FOR POST SECOND SEMESTER (M.SC.)

| SR. NO. | NAME OF MODULE |
|---------|--------------------|
| 1 | Soft Skills |
| 2 | Operation Research |
| 3 | Programming in C |

The objective of this summer training was to acquaint the UG students with the principles, developments and research trends in the area of organic devices. The summer training had covered the perfect combination of theory and practical sessions in the well balanced manner. The module elaborated on advanced mathematical methods based on partial differential equations used in modeling problems in the field of physical sciences. The summer training had covered the perfect combination of theory and practical sessions in the well balanced manner. This work will certainly help students to improve technical skill set and hence employability quotient. This will also help them to explore the field of organic electronics for finding new possibilities of development in the field.

6. INTERNATIONAL COLLABORATIONS/LINKAGES

Manav Rachna University has always believed in providing global education exposure to the students. MR has partnered with more than 40 foreign institutes of repute through Memorandum of Understanding (MoU) with all the necessary guidelines and conditions.

The collaborations between MR and partner institutions allow mobility of students and faculty members from either institution and get a chance to visit the campus for various academic ventures like (but not limited to) internship projects, international summer schools, research, expert lectures, joint international conferences, etc. Faculty members from the partner institutions get the opportunity to teach courses and participate in academic activities. The students experience entirely new cultural and academic environments at partner universities.

Academic activities like courses and projects undertaken at the partner institutions generally count towards the credit requirements towards degree completion.

1. MR participated in the First International Smart Cities in Smart Regions 2016 Conference (May 10–12, 2016), organised by Lahti University of Applied Sciences (LUAS), Lahti, Finland. Manav Rachna University partnered with LUAS in organising the same.
2. Prof. (Dr) Sanjay Srivastava, MD MREI and VC MRU & Honorary Research Fellow, Lahti University of Applied Sciences, Finland, delivered theme keynote on 'Changing Paradigms of Psychological Constructs, Wellbeing and Social Cohesion' in the session 'Citizens and Urban Sustainability' on 10th May during the conference.

3. Ms. Sanjana Malhotra, HoD Department of Electronics & Communication Engg., MRU, participated as one of the speakers in the conference.
4. Ms. Meena Kapahi, Associate Professor, Mechanical Engineering Department, MRU, participated as oral presenter, reviewer for the research papers submitted; & member international steering committee in the conference.
5. Prof. (Dr.) Rajat Gera (HoD Department of Management & Commerce) and Meena Kapahi (Associate Professor, MRU) guided three students from LAMK, Finland, for their industrial training cum project (5-month duration) at MRU which included development and user testing of low cost and micro composting tumbler for organic waste management and concept testing of a dry toilet for individual households.

Annexure 6.0 Ehas been enclosed for Collaboration detail

6.1 SUSTAINABILITY STRATEGIES

Coordinator: Meena Kapahi & Co-coordinator: Mr. Aditya (Department of Education)

The course 'Sustainability Strategies' by Purdue University, under PurdueNeXt in collaboration with Wiley, was offered to the entire II year across B.Tech. & MBA programmes. The course was offered in online mode. Keeping in view the online mode, the flipped classroom pedagogical technique was adopted:

7. OUTREACH & PROFESSIONAL SERVICES

7.1 STUDENTS' ACTIVITIES

Student activities are an integral feature to promote a vibrant, stimulating, engaging and respectful campus culture. Manav Rachna University creates a balance between academic, curricular and extracurricular activities for preparing the young adults for life.

The office of the Dean of Students is primarily concerned with students' welfare from entry to graduation. University life marks the beginning of one's career and requires one to make mental, physical and emotional adjustments. MRU promotes the participation of students at International & National Level Activities, Institute & Department Level Activities and Social Activities. MRU Students Council Body works through its different clubs such as Technical Club, Cultural Club, Literary Club and Sports Club. The body plans the various activities such as contests, seminars, workshops, guest lectures etc.; publishes a students' activity calendar for the semester and accordingly organizes various co- and extra-curricular activities. Financial aid is provided to the students for developing the projects and their participation in various competitions at International as well as National level. All the activities of these clubs are managed by students, under the mentorship of a faculty member.

MRU hosted various activities around the year under the banner of different clubs like Technical, Cultural, Literary, Sports, Entrepreneurship Development cell and Socio. These clubs further expanded and new clubs were added as a branching. While MRU strives to offer an excellent educational experience to our students, our students also add feathers to the University's cap by their achievements and activities. An account of their achievement is given below:

Student's Achievements

1. **In September 2016**, Neeraj Saini of ECE was invited by **University of Pennsylvania** to participate in **fall's Penn Apps event**. He attended the same followed by another event **Hack MIT organized at Massachusetts Institute of Technology**. He received funding of **USD 500 from University of Pennsylvania** to attend the event. **He was also invited to showcase his R&D work at the HUB week. Founded by The Boston Globe, Harvard University, MIT and Mass General Hospital, HUBweek** is a first-of-its-kind civic collaboration that brings together the most creative and inventive minds making an impact in Boston and around the world. Apart from this he **was recognized as one of the**

- world finalists for the Tomorrow challenge 2016**, a global event for most promising Science Technology projects and Startups. The event was held at **Paris in the month of October**.
2. **Team Grivaditi, Eye Luminatae from MRU got the Jurry's choice award in Yahoo Accenture innovation Jockey's Season 5 held in October 2016 at Bangalore.** Three teams from MRU, **Team Path Finders (Alpana (ECE) & Nidhi Goel (CSE)), Team E2 (Vikrant Prashar (ME)) & Team MANAS (Kapil Tewatia (ME))** got shortlisted for the finals under different categories of Yahoo Accenture innovation Jockey's Season 5 and represented Manav Rachna University.
 3. **Team CHAIN RXN from MRU (ME Department)** Participated in competition **Efficycle 7** held at Lovely Professional University and was ranked under **top 20 out of 138 total teams** that participated from various institutes of the country.
 4. Daksh Sharma of CSE 4th semester participated in **SUMMIT MANIPAL**, the Model United Nations conference organized by Leaders of Tomorrow club, Manipal, under its latest edition of flagship event. Daksh Sharma was the chairperson of the Futuristic Security Council, which has been tackling multiple crises ranging from economic to military issues plaguing the world.
 5. Two days National CONFERENCE ON 'INNOVATIONS IN CHEMISTRY LABORATORY TEACHING' was organized by 'ZAKIR HUSSAIN COLLEGE, DEPARTMENT OF CHEMISTRY' DELHI UNIVERSITY from February 8-9, 2017. Conference was attended by Dr. Megha Mittal, Head Chemistry Department and M.Sc. students Ms. Saloni, Sherry, Priyanka Arora, Shivangi and Aanchal.
 6. Aman Bhardwaj of B.Tech. CSE 2nd year and Yuvan Saluja of B.Tech. CSE 1st year participated in the Extempore held in Students' Pulse session during the 30th TIFAC Foundation Day organized at IIT, Delhi on 10th February 2017. Yuvan Saluja got the 3rd position and received certificate from Dr. Prabhat Ranjan, ED, and TIFAC.
 7. Two teams from MRU participated in **IDEA PRESENTATION competition organized under Lakshay 2017 at AMITY University from 14th to 16th Feb 2017**. The participating teams were Technology For Tomorrow (TFT), led by Mr. Nilanjan Bhadury with team members Mr. Shubham Goel, Mr. Shitiz Sharma (B.Tech – CSE), Mr. Aman Nishchal (BBA EFB) and Shram Vikas, led by Mr. Siddharth Upamanyu with team members Mr. Akhil Jain, Ms. Muskan Bansal (B.Tech – CSE). Both the teams from MRU were able to qualify the first round and reach the final stage of this competition.
 8. Students of Manav Rachna University participated in a **State Level Event, 'IGNIDEA 2017'** organized by the English Literary Society, the Environment Club and the Planning Forum of DAV Centenary College, Faridabad on 22nd March 2017. Alpana Bhanot (ECE 3rd year) bagged second prize in English Debate Competition. Shailaish Raathi and Shubham Aggarwal (ME 3rd year) won second prize in Quiz Competition
 9. **SAP** organized its **first ever ecosystem awareness QUIZ** for Manav Rachna students on 30th March 2017. 140 students from various streams participated in this event. The first prize was grabbed by students from **B.Tech, CSE (3rd year)**, Manav Rachna University. **Nilanjan Bhadury, Prateek Guleria, Shivam Gupta, Shubham Goel and Shubham Parashar** were awarded **Gold Trophies**. It was a nail biting competition and the suspense was maintained till the very end.
 10. Akshita Sachdeva, CSE 2012-16 Batch Honored with the Geek Goddess by Tech GIG in March 2017 (*Techgig* is India's Largest online Tech Community, where you can learn, update your skills, compete with fellow techies and get your dream job.) Aksita is Joining **Northeastern University** for pursuing her **Masters in Computer Science**.
 11. Kartik Sibbal of CSE 2nd Year got selected for Prestigious Google Summer of Code Program
 12. Akash Kaliraman, Chairperson MRU IEEE was awarded with prestigious Dr. JK Pal Memorial award. Divesh Popli, Vice Chairperson of MRU IEEE was awarded with Dr. JK Pal Memorial Best Student Volunteer Award and Raashi Gupta Chairperson of MRU IEEE WIE was awarded with the Outstanding Student Volunteer Award.
 13. Manav Rachna Leo club received appreciation award from The International Associations of Lions Clubs District 321-A1 for organizing blood donation Camp and offering its services to the society through various social initiatives for the year 2016-17
 14. Two teams from MRU were shortlisted for the National Finals of Imagine Cup 2017. Team Cannons comprising of Nishu Goel and Manish Batra of IT for their project R U Safe: Public Safety app and Team Cronos comprising of Aakash Lohan, Anjan Kar and Rahul Sharma of ECE for their project Klodo.
 15. Team **"TECHSPIRITS"** comprising of Vansh Mudgil, Tarun & Abhijeet (ME 8thSEM) participated in **Valeo Innovation Challenge 2017 organised by Valeo Ltd Paris** and have been shortlisted as semifinalists. **Total of 1628 teams participated across the globe and out of these only 24 made it through the**

semifinals. All the selected teams will be provided with the grant of **€5,000 to develop the prototype.** Teams submitted the concept under the mentorship of Dr. Y.K Awasthi (Associate Prof. ECE Department-MRU) and Final round of the competition will take place at Paris in October.

16. Students of BBA EFB participated in Startup Jalsa held on 23rd October 2017 at Manav Rachna University.

ACTIVITIES ORGANIZED IN-HOUSE UNDER VARIOUS CLUBS

TECHNICAL ACTIVITIES

1. Entrepreneurship Development Cell conducted a Panel discussion on "Explore your Business Idea.
2. Workshop on "**555 Timer & its Applications**" was conducted for the first year students to introduce them with Proteus simulation tool by Electronics Society.
3. MRU IEEE organized WEEKLY TIP event every Wednesday. Objective of the event was to teach the aptitude concepts.
4. MRU IEEE organized IEEE membership drive event. Event was organized by Execom committee of IEEE on 05 Aug 2016. Total number of students participated were 100. Objective of the event: To encourage students to join MRU IEEE.
5. MRU IEEE organized Digital poster making competition on 21 Aug 2016. Objective of the event was to find the hidden talent of student through the poster making competition.
6. MRU IEEE organized Life Vision Motivational Seminar on 5th sept, 2016. 60 students attended the seminar and its objective was to enlighten students to render their aim and purpose of their life. This seminar was organized by Leo Club in collaboration with our in-house student cum motivational speaker Mr. Jitesh Pundir who is a well-known motivational speaker talked about finding your purpose of life.
7. Department of Computer Science and Technology, organized Technical Quiz Contest for CSE 3rd semester students on the 22nd of September 2016. Quiz was based on small snippets of C language code. The winners were given merit certificates and a small token of appreciation.
8. SAE, MRU organized Work shop on 25th & 26th October 2017 on 2 stroke engine, 4 stroke engine, Carburetor, Automatic transmission, CRDI, Maruti 800 Engine and Manual Transmission & Power point presentation on Turbocharger, Supercharger.
9. MRU IEEE organized Prakashdeep Diwali Event from 24th to 26th October 2016. MRU IEEE student members visited Prakashdeep NGO to spread smiles among the students. Various activities were organized by the society. Diya and candle decorated by NGO students were afterward in the campus and the total profit generated was given to NGO.
10. IEEE Delhi Student activity cell with the support from 'India Strategic Initiative on Student Retention Program' brought to its member hands on workshop on "Circuit Simulations and Assembling" on 3rd & 4th November 2016. The workshop aimed to edify the concepts of electronics devices among the students. Three students from MRU attended the workshop.
11. Department of Computer Science and Technology, organized Web site designing competition for CSE 1st semester students on the 18th of November, 2016. The themes were Incredible India and Digital India. Team 'SWAFT' was Winner Team.
12. ACREX 2017 organized by the ISHRAE chapter of Delhi at India Exposition Center Greater Noida from 23 - 25 February 2017. The students of **Manav Rachna University** participated as volunteers under the ISHRAE chapter of Delhi. Each and every student got the full opportunity to interact with company corporates, employees, CEO's etc. regarding their career in HVAC & R Industry.
13. Department of **Computer Science and Technology**, organized a **Programming Contest** for **CSE 4th semester students on 9th March 2017**. Students were grouped in a team of two and they participated with full enthusiasm. **30 Teams** participated in the competition.
14. Computer Science & Technology Department, organized **TechMage – Coding cum Quiz competition**, for B.Tech CSE/IT 1st year students on 24th April, 2017. More than 150 students participated in this event.

CULTURAL ACTIVITIES

1. Fine arts club organized the Quilling event on 9th August 2016, the focus of the activity was to create a platform for the students to exhibit their creative skills. Nine students participated in the competition. Among them 3 participants were declared as winners.
2. **Music society of MRU on the eve of Independence day organized YAAD KARO KURBANI** to pay tribute to our Freedom fighters Heroes. The event had us witness the sheer talent of the students as they sing beautiful harmonies of their songs.
3. **DOT of MRU organized Ad Mad Competition** on August 12, 2016 on the theme Independence Day on the topics Lathi, Kartoos, Patang, Talwar, Hatkadi, Bandoos, Fansi Ka Fanda, Manjha, Kurta. Students used their creativity and the performances were breath-taking.
4. Rangoli competition was organized on 16th August 2016, the event was organized to create enthusiasm and infuse patriotism among the youth. The students brought about an amazing artwork which was much associated with our tricolor recollections. Five Teams participated in the competition. The zealous participants etched out awe- inspiring creative designs.
5. **DOT performed street play** on September 1, 2016 Event was very interesting and entertaining, the topic was Issues going on in India.
6. **Dance society of MRU organized Bollywood Dance Workshop** on 1st September 2016. Training session was given to the students to improve their musicality, sharpness in dancing and dancing feel.
7. Fine art society of MRU organized sketching competition for the art lovers on 2nd September 2016. This event has been made possible through the generous participation of students filled with talent and creativity
8. Fine Arts Club organized the activity FLOURISH THE PERISH on 14th October 2016 and students exhibited their creative skills by making use of waste.
9. **Singing competition was organized** on 21st October 2016, it was a delight for spectators and the organizers too as they got to see some amazing students,
10. Event MAGIC OF FINGERS was organized on 21st October 2016 to create a platform for the students to exhibit their creative skills on the theme "India". Twenty Eight students participated in the competition.
11. **On the occasion of Children day DOT organized** an event "Fete and Fiesta" on 10th November 2016. In this event, many fun activities were organized for the students to have a gala time, to enjoy and was a competition too, in which exciting prizes were given.
12. PAINTING activity was organized on the theme cleanliness on 15th November 2016 to INCULCATE AWARENESS AND NEED OF CLEANLINESS among students. The students brought about beautiful artwork with creative ideas and new technique of painting.
13. **Nail Art and Poster Making Competition was organized on 25th January, 2017** to create a platform for the students to exhibit their creative skills.
14. **Sketching competition was organized on 3rd February 2017**, 29 students participated in the competition
15. Music Recital Competition, was organized on 3rd February 2017, event witnessed the sheer talent of the students as they sing beautiful harmonies of their songs.
16. **Activity FLOURISH THE PERISH was Organized 9th February 2017** to show their creativity and create best out of waste
17. On 23rd February 2017 **MATRIBHASHA DIWAS was organized and** activities were conducted by different clubs of Cultural Society. **DOT organized DIALOGBAAZI** competition where different participants spoke different dialogues in different regional languages of INDIA and hence supported the phrase "BHASHAEN ANEK, DESH EK".
18. On the spot clip dancing was organized on 2nd February 2017 to express their emotion by dancing and give stage experience to participants
19. Hip Hop dance battle was organized on 9th March 2017, objective of the competition was to bring out the experience of stage and give student a platform to show their talent.
20. The western dance society of MRU organized an event i.e. Bollysweat on 24th March 2017 Training session was given to the students and simple choreography was also taught to them.

LITERARY ACTIVITIES

1. Quiz Competition was organized on 10th, August 2016 to celebrate the 70th Independence Day. The Literary Society conducted an exuberating, motivating, enlightening and engaging Quiz Competition for the enthusiastic first year students of the Electronics & Communication Department.
2. Online Selfie Contest “**Yaad Karo Kurban**” was organized on 13th August – 16th August 2016 to generate enthusiasm around University activities and to increase social networking among students.
3. POETRY COMPETITION was organized on 12th August 2016, objective was to help student become more self-assured when speaking before others and improve their reading, spelling, vocabulary, and language skills.
4. Digital Poster making competition was organized on 17th August 2016 for students to explore some of the technologies to create digital poster.
5. The photography club “**Drishti**” of the Literary society organized a photography workshop on 18th October 2016. More than 30 students attended the workshop. Workshop was delivered by Divanshu Goyal and Rishabh Chooni, both members of the Society and they successfully covered all the basic topics in the allotted time.
6. Debate Competition 25th of October 2016. Many students turned up for the competition and out of them 4 were selected for the second round where each one had to say both positive and negative points on the topic chosen by them.
7. Under the Central Vigilance Week, Indian Oil and R&D (IOCL) visited Manav Rachna University for conducting a Panel Discussion on the topic “Importance of Morals & Values, Integrity & Honesty, Ethics, and Transparency in Good Governance” on 4th November 2016. The panel consisted of 8 teams discussing a variety of ideas towards good governance and the solutions to the glitches in the system.
8. Plethora of events were organized on 15th November 2016, on the occasion of Swachh Bharat Pakhwada with an objective of inculcating awareness and need of cleanliness. The following events were included to showcase the divergent thinking of participants in context of cleanliness drive: **Painting Competition, Essay Writing Competition, Slogan Writing Competition, Photography.**
9. **On 25th January 2017**, as Republic Day was around the corner, the Literary Society conducted an exuberating, motivating, enlightening and engaging Quiz Competition and “**SNAP-A-SHOT**” for the enthusiastic students of the University. The objective was to create awareness among students.
10. EVENT AD DICTION was organised on 9th February 2017. It is an ‘Advertisement Making Competition’ for the students to showcase their creativity in Marketing products and services. Its objective is to acquaint the students about promotional strategies in marketing through advertisements.
11. MRU, in association with Humara Manch organised a Kavi Sammelan in the campus in honour of the MATRIBHASHA DIWAS on 23rd February 2017. The chief guest for the event, Dr Harisharan Varma, a senior writer and researcher spoke about the importance of poems and talked about how the world is not appreciating Literature anymore. Dr Harisharan Varma, Yashdeep Kaushik Revadi, Kuldeep Singh, Ajay Agyat were the poets who graced the occasion.
12. Students of **Manav Rachna University** participated in a State Level Event, ‘**IGNIDEA 2017**’ organized by the English Literary Society, the Environment Club and the Planning Forum of DAV Centenary College, Faridabad on 22nd March 2017. Alpana Bhanot (ECE 3rd year) bagged second prize in English Debate Competition. Shailaish Raathi and Shubham Aggarwal (ME 3rd year) won second prize in Quiz Competition.

INSTITUTIONAL SOCIAL RESPONSIBILITY (ISR)

Students at MRU are very much involved in various community services like no one sleeps hungry, cleanliness drives, blood donation camps, creating awareness on health & hygiene, promoting education by teaching students at various Government schools and schools run by NGO’s. All these activities are carried out in close association with Dr. O P bhalla Foundation, Leo club under the advisory of Lion Club of Faridabad, Prakashdeep NGO and Datri blood stem cell donors’ registry an organization that offers a dedicated service for blood stem cell donation. Students’ participation in these activities instills in them the lifetime commitment of helping others and understanding their duty towards the society.

DR. O P BHALLA FOUNDATION:

Manav Rachna along with creating excellence and professionalism also aims to contribute to international philanthropy, dedicated to improving the quality of Life of People, Nation and the World through inclusive growth and development of society and its people and conserving the diversity of cultures, the world, environment and the planet. Manav Rachna has been playing a pioneering role in building up the Institutional Social Responsibility since its inception in 1997 as Career Institute of Technology and Management. The projects undertaken include creating awareness about diseases such as Thalassaemia, Haemophilia, Mouth Cancer, Dengue etc. Various health check-up camps and blood donation camps were held. The institution ever since that time has taken 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.

In continuation with this above thought process, development activities, research and training in the following fields were undertaken: -

Education, Capacity building of people and Creating knowledge societies.

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

Protecting and reviving our heritage and fostering creativity

It will endeavor to protect and safeguard the cultural and natural heritage. It supports, promotes and encourages creativity and work towards protecting our heritage and keep it revived 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 multipronged 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 a society or group and work towards an inclusive society where no one is left behind. It focuses on the vulnerable section of the society and tries to take them forward in 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.

ACTIVITIES UNDERTAKEN FROM JULY 2016- JUNE 2017

ADOPTION OF SCHOOLS

1. Adoption of Mohna Govt. Girls School & 26 Govt. schools of Faridabad district (in association with Faridabad Nav Chetna Trust) for Quality improvement, Improvement in Learning Teaching Process and Infrastructural Development.
2. Establishment of a Skill Development Centre in Mohna Village - Computer skills classes, Library facility and training in vocational skills.
3. A weekly calendar as per which all Faculty and students visit the Mohna village and the school. The impact of this initiative of Adoption of Mohna Village has been the upliftment of the residents of Mohna Village through all the three programmes. The Computer Classes have had enrollments of over 300 students whom have received computer training. The Career Enhancement Programs were run on a weekly basis and were provided to over 300 participants. Both the programs were appreciated and found useful by

the youth of Mohna Village. The Dental Clinics were run three times a week and were very useful for the residents of Mohna Village for all their dental problems.

EK MUTTHI DAAN

1. The rice thus- collected is supplied to 3 NGOs – Prayas, Sai Milan and Naz Foundation.
2. During the last one year from 1st April 2016 to 31st March 2017, more than 8,400 kilos of rice has been distributed to the 3 NGOs:
3. NGO 'Prayas Juvenile Aid Centre' which runs shelters for street children based in Tughlakabad, NewDelhi.
4. NGO 'Sai Milan' that is running the program 'Feed the Hungry' and is feeding the street children, homeless and destitute, situated at Lajpat Nagar, New Delhi.
5. Naz Foundation, an NGO dedicated to the fight against the HIV/AIDS epidemic in India mainly focused on women and children located in East of Kailash, New Delhi.

SWACCH BHARAT ABHIYAAN

1. Weekly cleaning of Old Railway Station, Faridabad and Shiv Mandir
2. Swacchta awareness campaigns at the University.
3. Anti polythene drive

SUSTAINABLE DEVELOPMENT AND ENVIRONMENT PROTECTION

1. Revival of Badkal Lake - conducted the Feasibility Study.
2. Maintenance of Tallest Tiranga in Faridabad
3. Protecting animal rights and visiting Animal Shelter
4. Anti cracker rally
5. Tree Plantation Drive
6. Waste Management Workshop
7. Say no to polythene drive

7.2.1.2 SMART CITY PROJECT

Actively supporting the Govt. in the Smart Cities Project

MRU STUDENTS' PARTICIPATION IN VARIOUS SOCIAL ACTIVITIES:

1. **Leo Club Manav Rachna** in association with Dr. O P Bhalla Foundation and Lions Club Faridabad organized the blood donation camp on 16th September 2016. More than 350 unit of blood was donated by the students of MRU.
2. Under Dr. O P Bhalla Foundation, Students of MRU visited Govt. Girls High School in Mohna Village on 14th& 21st October 2016 and conducted classes for the school students on concepts of Science, Mathematics, personal hygiene and general awareness. They were accompanied by three students from Lahti University of Applied Sciences, Finland, who were undergoing 5-month training project at MRU.
3. Under Dr. O P Bhalla Foundation, students, faculty and staff of MRU collected **1500 Kg rice** under the project **Ek Muthi Daan in the month of October 2016 and March 2017**. Rice collected through this drive was sent to three different NGO's running shelter homes for underprivileged children.
4. Under Dr. OP Bhalla Foundation, cleanliness drive was carried out at Faridabad Railway station and Shiv Mandir, Sainik Colony, Sector 49, Faridabad
5. LEO Club of Manav Rachna in collaboration with Manav Rachna Dental college organized Dental Checkup camp for the students of NGO Prakashdeep, Sector 21D, Faridabad.
6. English Language at Mohna Govt Girls School: Academic Training for Rajkiya Govt Girls High School under Project Mohna started on May 18, 2016 with great excitement for the students of grade 9 and 10. Total of 167 students attended the training and was conducted by CDC on every Thursday for a month. Total 33 hrs

of training is delivered and methodology is topic discussions and worksheets. CDC ensured the training must focus on learning Basic English language (i.e Grammar) concepts and enhance personality.

7. Manav Rachna University is associated with Jeevandayini Social Foundation which is working for awareness of blood related disorders like Leukaemia, Thalassaemia, Aplastic & Sickle Cell Anaemia, and supporting patients with these disorders & bringing hope for their families. Manav Rachna under the aegis of Dr OP. Bhalla Foundation and Jeevandayini Social Foundation in technical collaboration with Datri, India's largest Stem Cell Donor Registry organized Bone Marrow drive at Manav Rachna Campus on 29th, August 2016 and 201 stem cell donor registration were done on the same day. The World Thalassaemia Day was commemorated on May 8th 2017 at **District Jassola Park**, near Apollo Hospital. Faculty members and Student members of **Youth club, Manav Rachna University** organized the event in association with Jeevandayini. To mark **International Thalassaemia Day & World Cancer Day, Jeevandayini Social Foundation** in association with **Sarvodaya Hospital** took a step ahead to spread happiness among the young warriors battling with Cancer & Thalassaemia. **"Celebrating Life"** event was organized on 19th May 2017 by Jeevandayini members along with **Youth club of MRU**. Apart from these events, students and faculty members regularly donate blood and meet blood cancer & Thalassaemia patients in hospitals.
8. Three Students, Roope Sippola, Viivi Anttonen and Teemu, of B. Tech, Lahti University of Applied Sciences (LUAS, Finland), were there at MRU under Student exchange programme and worked on the project (sept 1, 2016-January 24, 2017) on themes of waste management, urban development and environmental sustainability at Manav Rachna University. The project was supervised by Prof. (Dr.) Rajat Gera, Department of Management and Commerce and Prof Ms. Meena Kapahi, Department of Applied Sciences. Their guide for the project was Dr Pia, LUAS, Finland. Under these projects they designed and developed two low cost composting tumblers which have been installed in the MRU campus and at Dr. OP Bhalla Community Centre (Mohna village). As part of their acculturation, the students conducted cleanliness campaigns in Government Boys and Govt. Girls' Schools at Mohna village which was appreciated by the school authorities. The school children enthusiastically participated in the campaigns. Their project ideas, concepts and prototypes were tested with residents and students at Mohna Village with support of O P Bhalla Foundation. During their six months sojourn at MRU, they participated in various cultural (Christmas, Diwali, Russian Ballad) and institutional activities and became part of the MREI family.

RESURRECTION 2K 16(CULTURAL FEST):

Resurrection 2K16, the Annual Festival of Manav Rachna at its Campus on 6-8th October 2016. This event witnessed participation of students from various colleges and institutions in 25+ events ranging from Cultural, Literary and Fine arts departments. In addition to the scintillating events, the FEST had three happening PRO-NITES: Performance by Euphoria band on 6th and an EDM Night on 7th October which saw 15,000 students jumping to the beats by Candice Deming followed by Star Night by Benny Dayal on 8th October. DJ Wars, Fashion Show, Battle of Bands, Nutri Salad, Group Dance, Street Soccer were the highlights of the events and magnetized huge crowds.

ORIENTATION 2K16:

Manav Rachna University's Orientation Programme for its First Year Engineering, Sciences and Management students commenced on a positive note, setting the tone for the Academic session ahead. A havan ceremony was organized to radiate positivity and pray for the student's progress in academics and bright future. The Orientation programme welcomed parents and students and gave them glimpses of the galaxy of Manav Rachna Educational Institutions, the regulations and the academic philosophy of the Institution

As a unique blend of learning, fun and realization, the programme aimed at providing a smooth transition for the students into the new environment of the University. The programme also included parents, who were able to get a feel of the University that their wards will be attending in the next few years. Students were briefed on regulations and the academic philosophy of the Institution. To create a sense of belonging towards the University, the introduction session of all the Deans, Director's, HODs, Faculties, Administrative staff was given to the new entrants. The programme continued for the entire week and students were engaged in various activities such as tree plantation, treasure hunt, visiting the central facilities at Manav Rachna like Manav Rachna

Innovation and Incubation Centre, Solar Energy Center and Shooting range. Students were also briefed by the Career Development and Career Resource Center to get an idea about their placement prospects.

VISAKA:

Vittiya Saksharta Abhiyaan, an initiative by MHRD on Digital Transaction: On Thursday, 15th December 2016 a Promotional Campaign on Cashless Transactions was held in I- Block Auditorium for Faculty & Staff members. To promote this drive, faculty coordinators of all the departments educated the students of their respective departments from 16th to 21st December. Students further carried this drive forward by educating people in their locality, vendors in nearby market places about the various digital mode of transactions.

CONCLUDING CEREMONY:

Concluding ceremony was organized on 20th May 2017, to distribute the provisional certificates to all eligible graduates. Students were enlightened about the importance of this ceremony as an opportunity to reiterate that learning is a continuous journey and the degree or certificate does not signal an end but rather the beginning of a long journey – it is what they do, and how they do, it after graduation that will determine their success in life. Each pass out was emphasized to continue their interest in their alma mater which shall always remain a home away from home and to actively participate in alumni activities and stay connected as we all join hands to contribute to the development.

ALUMNI NETWORK

When choosing colleges/universities for higher education, students put a high priority on finding the best academic programs for their field of study. While this is obviously important, another factor that potential students should consider is the alumni network at each of their prospective choices. Alumni networks do more than help fund Alma Maters; they become a professional and personal community to aid graduates in advancement throughout the course of their lives. MRU also has an Alumni Association to cater the needs to future students and establishing an everlasting relationship with our Alma matter.

Manav Rachna Alumni Association organized a series of Alumni Lectures for the current students during the year. Purpose of this interaction is to make the student aware of culture in the industries, options available to students after B Tech, latest technological trends/ upcoming technologies in the relevant streams and to motivate students about progressing from college life to professional life keeping hand in hand with the basic attributes of life which are time management and positive attitude. Board of studies of every department has one Alumnus as member of its BOS and they are part of our curriculum development process.

ALUMNI LECTURES

1. Deepak Gupta & Sonam Dwivedi (CST), Prashant Gupta (ECE), Vaibhav Taneja (ME) interacted with new entrants of MRU during orientation programme on 15th July 2016 and shared their experiences about college life and how their learning and student life at Manav Rachna has been helpful in their holistic development.
2. Mr. Anubhav Sukhija of MBA (batch 2013-15), He is running a company of E-commerce, with more than 5 million turn-over interacted with BBA students on 16th July 2016 during the orientation programme.
3. Mr. Rajiv Rai Bhatia, an Alumnus of 2011 of ECE, is working as Sr. Software Engineer, in Globallogic, Noida, India delivered a lecture on "Inventing new life using Technology" to ECE students on 5th August 2016.
4. Mr. Ajay an Alumnus of 2015 of ECE working as CTO, at Zeolr Technologies Pvt. Ltd. India, delivered a lecture on "Future and Scope of Electronics in various field" to ECE students on 5th October 2016
5. Ms Khushbu Manchanda, MBA batch 2013-15, she is working as an Assistant Prof with Stya Appejay University interacted with BBA students on 14th October 2016.
6. Mr. Rohit of CSE has a rich experience of seven years in Business Intelligence and is currently working as Senior Consultant at Capgemini. He delivered the lecture on "Role of Business Intelligence Technologies in IT Sector" on 17th October 2016 to CSE & IT students.

7. Ms. Dashmeet Kaur, an alumna of MBA 2012-14 Batch, working as recruitment specialist at Guest Houser. Com interacted with Students of BBA department on 17th October 2016.
8. Ms.Kaur an alumna of department of Management and Commerce delivered a lecture on Managing Your Career.on 22nd October 2016.
9. Department of **Computer Science & Technology** organized a three-day Workshop on **website designing**. From 15th to **18th November 2016**. The resource person for the workshop was **Mr. Sumit (an alumna of CST department)**, working as Associate Team Lead in SkyTesters Ltd. and has a rich experience in Website Designing.
10. Alumni lecture on the topic "LTE Evolution in Mobile Communication" was delivered by Mr. Vimal Sharma, an Alumna of 2008 batch of ECE working as Service Solution Manager at Nokia Networking. Noida was delivered on 24th November 2016 to ECE students.
11. Manav Rachna was elated to welcome Mr. Tushar Chugh, our Alumna from ECE, MRU (formerly MRCE) 2007 – 11 Batch on 8th February 2017. He shared his memories, of initiating Technoplanet Labs at the campus. During his student days at Manav Rachna, Mr. Tushar Chugh represented India at the Microsoft Imagine Cup in 2010 and 2011.
12. Department of Management and Commerce organized alumni lecture on 'Intellectual Properties Rights' by Ms. Kirti Mittal for students of BBA-FAA, BBA-EFB and BBA-HCM on 27nd February 2017.
13. Department of Computer Science and Technology, organized an Alumni Lecture on "**Role of Analytics, Predictive Modeling & Business Intelligence Technologies in IT Sector**" on **27 February, 2017**. The lecture was delivered by **Mr. Ikshith Puri**, an Alumna of B.Tech. CSE 2004-2008 Batch and is working as a Manager, at **Unites Health Group**.
14. Students of B.Tech. CSE & IT, Manav Rachna University were privileged to have one of their alumna B.Tech. CSE 2008-12 Batch, **Mr. Himanshu Sehgal**, the guy behind '**My Yellow Plate**', on 2nd March 2017. Being an Engineer himself, he inspired all to do what they can do the best, as there are endless opportunities waiting to be explored. He shared his experience with the audience whole heartedly, how an ordinary, yet fascinating yellow plate brought a goal to his life.
15. Department of **Computer Science & Technology** organized a one-day Workshop on **PHP** in association with Venture7 Pvt. Ltd. on **18th March 2017**. The resource person for the workshop was **Mr. Sumit Choudhary**, Associate Team Lead and **Mr. Devendar Adhlakha (CSE 2011-14)**, Associate Software Developer. Workshop helped the participants to get a firm foothold to apply PHP to live projects
16. MRU was proud to welcome it's another Alumni Achiever Mr. Harshit Chaubey (AEI 2004-2008 batch) on 31st March 2017. Harshit has worked with Patchblocks@ in UK and currently working for a renowned Hollywood Composer/Producer Wayne Sharpe. He interacted with students about the different paths of careers which can be derived from Engineering.
17. Department of CST organized an Alumni Lecture on "**Understanding life @ IT sector across various Verticals**" on 13 April 2017. The lecture was delivered by **Mr. Tarun Mittal**, an Alumna of **B.Tech. IT 2006-2010 Batch**, currently working as **Software Architect**, in **LIST India Pvt. Ltd.** The lecture was attended by CSE Fourth semester students and faculty members of Computer Science and Technology Department.
18. An alumni guest lecture was organised by ECE department on April 13, 2017. The lecture was delivered by our alumna, Nishant Ahuja from ECE branch (2006-10 batch) working for Sapient as an Associate team lead in software testing. He interacted with students and created awareness of latest trends in communication and IT methodologies
19. Manav Rachna Alumni Association welcomed another alumna, Mayank Masand of 2005 – 2009 Batch on Thursday, 20th April 2017. During his visit to the campus, Mayank interacted with students from MRU. Mr. Mayank Masand is currently employed with Aristocrat Technologies India Pvt. Ltd. as a Technical Lead in the Product Development Studios alongside the development teams based out of India, Sydney & Las Vegas Studios.
20. Ms. Nidhi Puliani (CSE 2004-08 batch) is currently working in NIIT Technologies as System Specialist. She interacted with the CSE & IT students on 24th April 2017 and discussed about the Work and Opportunities in Production Support Environment

VISITS TO INDUSTRIES AND EXHIBITIONS

1. Visit to **Infosys Ltd.**, Chandigarh was organized for the first year B.Tech. Computer Science & Information Technology students with an aim to sensitizethestudents about the practical challenges that organizations face. **Mr. Ankit Dewan addressed the students on the topic "Project Think Approach"**, emphasizing how business organizations have applied this approach to become successful. This was followed by the tour of campus including the working arena and the facilities like gymnasium, pharmacy, physiotherapy, library etc.
2. **During wild life week, B Tech and BSc. first year students visited Asola Bhati** and interacted with the officials there and attended a lecture on wild life and various projects running at Asola Bhati
3. **MRU STUDENTS VISIT TO RENEWABLE ENERGY INDIA EXPO, 2016:** The 10th Renewable Energy India (REI) Expo, Organised by UBM India from 7th to 9th September 2016 at the India Expo Center, Greater Noida was inaugurated by Chief Guest, Shri Upendra Tripathi, Secretary, Ministry of New and Renewable Energy, Government of India. In the Expo students got the opportunity to learn, inquire and see the emphasis laid down by Smart Solar Technologies prevalent around the world, which is growing its roots in India as well.
4. **Faculty and Students of B.tech ECE attended the launch of World's Biggest Hackathon initiative 'Smart India Hackathon 2017'** The **'Smart India Hackathon 2017'** was inaugurated by **Hon'ble Union Minister, HRD, Shri Prakash Javadekar** by handing over a torch to technology students at the **Teen Murti Bhavan, New Delhi.**
5. **Faculty and students of ECE, ME & CST Department visited International Engineering & Technology Expo at Pragati Maidan on 4th Feb 2017** to get insight of future technologies in their respective areas.
6. On April 7th, 2017 Department of Chemistry, MRU organised its first Industrial Visit for M.Sc. Chemistry students to IIT-Roorkee along with a multinational pharmaceutical manufacturing setup Shreya Pharmaceuticals. Dr. Priti Gupta, Training coordinator of department spearheaded the entire program to ensure that students take a leap outside text book arena and learn some practical concepts of Chemistry.
7. **Students of BBA program attended 9th Chevening India Lecture and panel Discussion on "SDGs: Challenges in implementation and way forward for India" at United Nations, Lodhi Estate, New Delhi.** The eminent panel of speakers consisted of Dr Ajay Mathur, Director General, TERI, Mr Govind Mohan, IAS, Principal Secretary Energy & Principal Resident Commissioner, Govt. of Sikkim, The discussion highlighted the 17 Sustainable Development Goals (SDGs) and 169 targets that are also a part of the National Development agenda of Indian Government.
8. **BBA FA students visited Sriram pistons and Rings LTd, SP-1/892, RIICO Industrial Area, District Alwar, Pathredi, and Rajsthan** on November 26, 2016. students were exposed to live experience of entire process of manufacturing the pistons and valves.
9. **BBA HCM students visited Cygnus MLS Hospital, Rohini on November 19, 2017.**

GUEST LECTURES & WORKSHOPS BY INDUSTRY EXPERTS

1. An educational workshop - **'Building Business Leaders of the Future - Risk as a Differentiator'** in collaboration with Global Risk Management Institute (GRMI), a pioneer in the world of education in risk was organised in I block auditorium on 11th November 2016. Mr. Nitin Jain, Director GRMI, former AVP, Axis Risk Consulting, along with Mr. Puneet Malhotra from GRMI conducted an educational workshop on Risk Management for final year B. Tech. and MBA students. He shared some valuable insights about risk management and critical decision-making principles by providing the students the simulated environment of a retail industry with an opportunity to share the same by the way of presentation.
2. A brainstorming and interactive session on **"Design for Sustainable Development"** was organised on 27th April 2017. The keynote speaker for the session was **Shri Rajiv Yadav**, IAS, Secretary Parliamentary Affairs, Government of India, New Delhi. The main objective of this session was to bring consciousness and awareness on Design for Sustainable Development. He spoke about the skills that are much needed in today's era like: being a very keen observant, to be inquisitive, out of the box thinking. He briefed the significance of saving energy and staying healthy.
3. Manav Rachna University organised a career-oriented seminar for the students of CSE, IT, ECE and ME 2nd year, to spread awareness about various jobs in civil services. Our Hon'ble Pro Vice Chancellor Dr. V.

- K. Mahna enlightened the students with his repertoire of more than four decades of experience. Dr. Mahna inspired the students by mentioning some real-life examples of students who cracked and got selected with their continuous hard work and dedication.
4. To bridge the gap between industry and academia – a talk was conducted by Mr. Narender Kumar, CEO, **SkyTesters** on **19th July 2016**. He guided the students about current industry trends by imparting them with technical as well as dialogue on business. He promised to support the students in their studies and further to facilitate their success.
 5. To keep pace with the corporate world, a talk by an industry expert was organized. Mr. Nagesh Marwaha, Executive Director HR, **Krishna Maruti Group** on 20th July 2016, he motivated and encouraged the students to be self-driven towards their goals. He taught students the 3D Mantra – Dedication, Determination and Discipline.
 6. Exposure to real life industries is one of the key elements implicitly emphasized in the Program Outcomes (PO) for the students. On 26th July 2016, Mr. Sunil Manga, Director, Victora Auto Pvt. Ltd. and Mr. Ashutosh, Head HR, Paras Buildtech India interacted with the students. A great deal of information regarding the latest requirements in industry as well as the importance of professional ethics and conduct were shared by the speakers.
 7. **Department of Computer Science & Technology, organized** an expert talk on **‘Embrace Challenges & Work Together to get Success’** for 1st Year and 2nd Year B.Tech. CSE/IT students on 16th March 2017. The speaker of the day was **Prof. Nathaniel. G. Martin**, Professor, CST Dept., MRU. The session laid emphasis on the techniques (Test Driven Development, github, cunit, product backlogs) to acquaint the students about the latest requirements of the industry. Prof. Martin bestowed some practical tips to students to enhance their project development skills using Agile Methodology.
 8. The Department of Mechanical Engineering organized a “Workshop on 3D Printing” on 18th February 2017. The workshop was organised in collaboration with CARBONSLICE, Faridabad. The workshop was attended by 31 students and 4 Faculty members of Mechanical Engineering Department. In the beginning Mr. Soumil Mahajan gave the introduction on 3D Printing and its various applications in the today’s world. Later he explained the different types of 3D Printing Technologies and its day to day application in today’s time. Students performed “Hands on Activity” on the 3D Printer
 9. A one day workshop titled “A Practical Introduction to Ergonomics and Technologies for the Future” was organized by the Department Research Committee (DRC), Department of Mechanical Engineering on February 4, 2017. Total of 32 participants attended the workshop. Mr. Ajit Katiyar, Associate Professor, Mechanical Engineering, MRU conducted the lecture in morning session with great care and expertise. Mr. Katiyar assisted the participants in learning the basic concept of Ergonomics and solved the REBA and RULA method.

8.EXTERNAL AND INTERNAL INTERFACE

The Manav Rachna University emphasizes on industry/ profession relevant curriculum. To deliver on such curriculum, teaching by academic staff is not sufficient. Professionals from the industry are invited to interact with students and teachers on regular basis. Their inputs are critical to fill the gap between the theory and practical aspects of learning. The integration between academia and profession is incomplete unless academic institutions and professionals in the industry have regular interactions with each other.

The Faculty of Engineering has been proactive in industry interaction during the year 2016-17. There are three different departments under Faculty of Engineering, wherein altogether 22 professionals were invited to visit the campus and interact with the students and faculty. Some notable dignitaries, who graced the campus with their presence included Ms. Rashmi Vohra and Mr. Amitava Chakraborty from IBM India, Mr. Parvinder Bajwa from Accenture, Mr. Sonal Gupta from Nokia Siemens Networks and Mr. Prikshit Gupta from OLX India, to name a few.

By no measure faculty of Management and Humanities is any less dynamic as far as industry interaction is concerned. The management professionals from the Industry, who visited and interacted with the students

of Management include Mr. Kaushal Mehtani from Tata Communications, Ms. Tulika Jha from Walmart Global E-commerce and Ms. Sucheta Kalra, senior consultant at KPMG etc. Apart from this, the faculty members too visited the seminars and conferences organized by industry and professionals at different places outside the campus.

Faculty of Law, MRU held and hosted two major professional programs, one on Experts' Workshop on Criminal Prosecution and another on "Right of Senior Citizens". The two events witnessed the majestic gathering of legal luminaries such as Justice Deepak Misra and Justice Chelameshwar, judges of the Supreme Court and Justice Rajan Gupta and Justice Ajay Kumar Mittal from the High Court of Punjab and Haryana and senior counsels from Supreme Court of India Mr. Aman Lekhi and Mr. Tushar Mehta inter alia.

Faculty of applied sciences has also proactively invited people from industry such as Scientist Emeritus from Indian Oil R&D Center, Faridabad and Shreya Pharmaceuticals etc.

Distinguished Speakers & Invited Visitors

| S. No. | Date | Name of Speaker | Organisation/Institute | Benefit to: Faculty, student, Both | No. of Students benefited / No. of Faculty Benefited | Topic/Theme |
|----------------------------------|--|--------------------------|--|------------------------------------|--|---|
| Department of Chemistry | | | | | | |
| 1 | 17 th March , 17 | Dr. A. S. Sarpal | Indian Oil R&D Centre, Faridabad | Both | 25/10 | Expert Lecture Series on Carbon-13 NMR Spectroscopy |
| 2 | 21 st Mar,17 | Dr. Avtar Matharu | Dy. Director, Green Chemistry Centre of Excellence, University of York, U.K. | Both | 100/25 | Expert Lecture on Agricultural Straws to Composites & Extraction of Pectin from Mango Peels |
| 3 | 29 th Mar,17 | DR. SANGEETA PANDITA, | Zakir Hussain College, University of Delhi. | Both | 50/10 | INNOVATION IN CHEMISTRY LAB TEACHING |
| 4 | 30 th Nov,16 | Dr. INDU TUCKER SIDHWANI | Associate Professor, Gargi College, | Both | 50/10 | GREEN CHEMISTRY |
| 5 | 16 th Nov,16 | Dr. SHASHIKANT | Scientist Emeritus at Indian Oil Research and Development Centre, Faridabad | Both | 70/15 | Olefin Polymers: Materials of Choice for Industries |
| 6 | 7 th -8 th April, 2017 | | IIT-Roorkee and Shreya Pharmaceuticals | Both | 15/3 | Industrial Visit |
| Department of Mathematics | | | | | | |
| 1 | 10 th Mar,17 | Dr Jagdish Chand Bansal | South Asian University, New Delhi | Both | 100 | Nature inspired Optimization Techniques |

Department of Physics

| | | | | | | |
|---|----------------|---------------------|---|------|-------|--|
| 1 | 17thMar, 17 | Prof. P.K.Bhatnagar | Retired Professor (Presently UGC BSR Fellow), Department of Electronic Science, University of Delhi South Campus, New Delhi. | Both | 50/20 | Advance Electronic Materials and Devices |
| 2 | 31st March, 17 | Prof. D K Rai | Head Department of Physics and Materials Science and Engineering Jaypee Institute of Information Technology (Deemed University) | Both | 50/20 | green energy materials |

Department of Mechanical Engineering

| | | | | | | |
|---|--------------------|---|--------------------------------|------|--------|--|
| 1 | 23rd Jun,17 | Ashish Gupta | ISHRAE Trainer | Both | 24/3 | Heat load calculation |
| 2 | 15thJun,17 | Suhash Mathur | ISHRAE Trainer | Both | 24/3 | Installation and HVAC equipment selection |
| 3 | 4th July,17 | Mr.R Bhargav | ISHRAE Trainer | Both | 24/3 | eQUEST simulation |
| 4 | 18thApr,17 | Mr. Parimal Priyadarshi | Head | Both | 100/15 | Bridging the gap between Academia & Industry |
| 5 | 27th - 28th-MAR,17 | Mrs. Rakhi Pruthi | NPTI | Both | 92/5/ | 2- days lecture |
| 6 | 16th Mar,17 | Mr. Ravi Makhija | (RVM CAD) | Both | 80/11 | Designing Software & CNC Programming |
| 7 | 17thFeb16 | Mr. Aneesh Kadyan | ISHRAE Delhi Chapter President | Both | 100/15 | Basic Concepts of HVAC&R |
| 8 | 25thNov,16 | Mr. Parag Kavthekar (BOSCH Training centre) | Trainer Bosch Training Centre | Both | 100/15 | Diesel System |

Department of Computer Science & Technology

| | | | | | | |
|---|--------------------------|----------------------|---|------|-------|----------------------------------|
| 1 | 21 st oct ,16 | Mr. Sonal Gupta | Nokia Siemens Networks | Both | 65/12 | Voice over LTE |
| 2 | 07 th Nov,16 | Mr. Sandeep Bhardwaj | CSC India Pvt. Ltd. | Both | 84/21 | Software Testing & Agile Process |
| 3 | 17 th Nov16 | Mr. Joginder singh | Motherson Sumi INFotech & Designs Ltd, Noida (India),SEI CMMi Level 3 | Both | 66/14 | IoT (Internet of Things) |

| | | | Company | | | |
|----|-------------------------|-------------------------|-------------------------------|---------|-------|----------------------------|
| 4 | 23 rd Feb,17 | Mr. Rohit Dhall | HCL Technology | Both | 56/16 | Big Data & Cloud Computing |
| 5 | 10 th Mar,17 | Mr. Parvinder Bajwa | Accenture | Both | 35/25 | Agile Methodology |
| 6 | 18 th Mar,17 | Mr. Sumit Choudhary | Venture7 Technology Pvt. Ltd. | Faculty | 22 | PHP |
| 7 | 16 th Mar,17 | Ms. Rashmi Vohra | IBM India Pvt. Ltd, Gurgaon | Both | 80/16 | Agile and Scrum |
| 8 | 06 th Apr,17 | Mr. Prikshit Gupta | OLX India Pvt Lmt | Both | 57/21 | Kanban Methodology |
| 9 | 07 th Apr,17 | Mr. Pramod Pal | British Telecom | Both | 65/20 | Data warehouse Management |
| 10 | 25 th Apr,17 | Mr. Amitava Chakraborty | IBM India PVT LTD | Both | 60/16 | Database Technology |

DEPARTMENT OF Electronics &Communication Engineering

| | | | | | | |
|---|--------------------------|------------------|------------------|-----|----|--------------------------------------|
| 1 | 18 th Mar,17 | Er.Prateek Sikka | Design engineer | FDP | 14 | Verilog for Digital Syatem Design-I |
| 2 | 1 st April,17 | Er.Prateek Sikka | Design engineer | FDP | 14 | Verilog for Digital Syatem Design-II |
| 3 | 13 th Apr,17 | ElectroTech Club | Students VII Sem | SDP | 32 | Innovate with Aurdino |

Department of Management and Commerce

| | | | | | | |
|---|---------------------------|---|---------------------------|---------------------|----|---|
| 1 | 27 th Jan , 17 | Ms Sucheta Kalra | Senior consultant at KPMG | student interaction | 40 | Accounting |
| 2 | 18 th Jan, ,17 | Mr Animesh Tripathi | | student interaction | 60 | Human Computer Interaction & opportunities to explore |
| 3 | 25 th Nov,16 | Mr. Kaushal Mehtani Director Finance & Global Head Transformation and Digitization | Tata Communications | student interaction | | |

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|----|---------------------------|---|--|---------------------|-----|---|
| 4 | 1 st Sept ,16 | Mr Sanjay Kumar Singh Senior Faculty and HOD (Finance), | Indian Institute of Coal Management, Ranchi. | student interaction | 100 | "GST and its impact on indian Economy |
| 5 | 20 th Sept ,16 | Mr. Sidharth Aggarwal Co-owner & Operator - BQ Express, | Cooper's Grill & Bar, MHCPL | student interaction | 28 | Becoming an Entrepreneur |
| 6 | 22 nd Sept 16 | Mr Sanjeev Sethi Vice President - Human Resources | Hyatt Regency New Delh | student interaction | 100 | Doing Business |
| 7 | 4 th Oct16 | Ms Tulika Jha Senior Product/Project Manager | Walmart Global E-Commerce | student interaction | 36 | Project Manager: Career and Expectations |
| 8 | 13 th Oct ,16 | Mr Sharad Kohli Founder and Chairman, | KCC Group. | student interaction | 100 | "Practical aspects of Start Ups" |
| 9 | 17 th Oct ,16 | Mr Varun Jain, National Instructor-CPA & CMA, | Miles Education , | student interaction | 34 | "Global and Indian Environment for Finance ", |
| 10 | 24 th oct,16 | Mr Sarvesh Pancholi, CEO and Founder, | Popularizers Digital Marketing, | student interaction | 24 | "Digital marketing ", |
| 11 | 3 rd Nov ,16 | Ms Gitanjali Gupta, Board Member Simplified Fintech, CPA specialist, | CMA | student interaction | 36 | "GAAP and IFRS - Accounting standards" |
| 12 | 23 rd Nov | Prof.Dr.Sanjiv Mittal Dean USMS | GGSIPIU | Student interaction | 67 | entrepreneurship |

Faculty of law

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|----|----------------|--|----------------------------------|--|-------------------------------------|--------------------------|
| 1. | 15th April ,17 | Justice Deepak Mishra Justice | Supreme Court | | 300+ (Police Personals) | Right of Senior Citizens |
| 2 | 15th April ,17 | Justice Rajan Gupta Justice | High Court of Punjab and Haryana | | 300+(Police Personals) | Right of Senior Citizens |
| 3 | 15 April ,17 | Justice Ajay Kumar Mittal Justice | High Court of Punjab and Haryana | | 300+(Police Personals) | Right of Senior Citizens |
| 4 | 16 thApril 17 | Justice Chelameshwar Justice | Supreme Court of India | | 150+ (Police Personals and faculty) | Criminal Prosecution |
| 5 | 16th April ,17 | Justice Indira Bannerjee Justice | High Court of Madras | | 150+ (Police Personals and faculty) | Criminal Prosecution |
| 6 | 16th April,17 | Justice G S Sistani Justice | High Court of Delhi | | 150+ (Police Personals and faculty) | Criminal Prosecution |
| 7 | 16th April,17 | Mr. Aman Lekhi Senior Advocate | Supreme Court of India | | 150+ (Police Personals and faculty) | Criminal Prosecution |
| 8 | 16th April,17 | Mr. Tushar Mehta ASG | Supreme Court of India | | 150+ (Police Personals and faculty) | Criminal Prosecution |
| 9 | 16th April ,17 | Dr. K P Singh DGP | Punjab Police | | 150+ (Police Personals and faculty) | Criminal Prosecution |
| 10 | 19th May, 17 | Mr. Sanjay Vashisth Advocate | Supreme Court of India | | 20+ Law Aspirants | Career in Law |

9.IQAC

Based on the guidelines of National Assessment and Accreditation council, Manav Rachna University has constituted an Internal Quality Assurance Cell. The IQAC strives to bring quality in a person through education at different stages. Starting from defining the admission criteria and upto the placement of students, IQAC aims to bring quality improvements. The choice based credit system offers a flexible curriculum to the students. The curriculum is designed so as to meet the industry needs. At various stages IQAC keeps a check on results, feedbacks from students and parents so that a necessary action can be taken to work on weaker areas. IQAC organizes workshops, seminars etc for updating the knowledge of faculty members. IQAC ensures discipline through a proctoral committee and Women Cell. In Academic Session 2016-17, various initiatives were taken for the quality improvement.

Activities held during July 2016 - August 2017

| SNo. | Activity | Facilitator / Speaker | Date | Venue |
|---|--|--|------------|----------------------------|
| 1 | Orientation Program (B.Tech 1st sem students) | Directors, Deans and Heads , MRU | July, 2016 | MRU campus |
| 2 | Workshop on "Leading a stress free life" | Mr.Ravi Virk and Mr.Prateek | 28/07/2016 | I block auditorium |
| 3 | Orientation Program (PhD students) | Directors, Deans and Heads , MRU | 02/04/2017 | MRU campus |
| 4 | Workshop on "Quality improvement in Examination system " | Prof.B.D.Pathak, Dean Examinations | 03/04/2017 | Seminar Hall, H block, MRU |
| 5 | Workshop on "Feedback system in MRU" | Prof.Meenakshi Khurana, Dean Academics | 18/02/17 | Room No. I-G-03 MRU |
| 6 | Workshop on "Teaching and Learning Process " a reflective approach | Dr.Babita Parashar, Head, Dept. of Education | 18/3/17 | Room No. I-G-03 MRU |
| Other quality improvement measures | | | | |
| 1 | Introduction of Anti Plagiarism software Urkund at MRU | Implemented by Library, MRU from 2016-17 | | |
| 2 | Submission of AQAR 2015-16 | IQAC Team May, 2017 | | |
| 3 | Design and Implementation of University Feedback form | IQAC Team | | |

11. Committees

A well organised University set up requires a lot to be monitored for smooth functioning and overall excellence such as attendance ,feedback, course uploading to name only a few in this regard . Managing this entire gamut is not a one man show but it requires a collaborative effort from all staff members. To achieve this objective Manav Rachna University has formulated several committees and utilized the talent and capabilities of every member .These committees are headed by the coordinators and have defined roles and responsibilities to perform .A detail of these committees has been provided below :

| Committee Name | Coordinator | Role and Responsibilities |
|--|---|--|
| ATTENDANCE COMMITTEE | Mr. Agha Imran Hussain | <ol style="list-style-type: none"> 1. The attendance periods for a semester shall be prepared in advance. 2. Manage the attendance monitoring process, including the setting up and maintenance of relevant databases and the recording of reasons for absence. 3. Monitor student attendance and respond accordingly in line with Manav Rachna University regulations. 4. Ensuring of short attendance letters to students in a timely manner by the administration department. 5. Produce timely reports as requested, through the use of Manav Rachna University's electronic reporting systems. 6. Participate in supporting new staff in the attendance monitoring practices, processes, procedures and responsibilities. 7. Respond to staff queries on attendance in a timely manner. 8. Contribute to the maintenance of a comprehensive and accurate filing system. |
| COURSE UPLOADING COORDINATION COMMITTEE | Dr. Jyoti Pruthi | <ol style="list-style-type: none"> 1. Finalize the course uploading activity calendar and share it with dean academics, HoD's, sub-coordinators and departmental coordinators. 2. Coordinate with ERP coordinator of TCSion(lx) portal. 3. Coordinate with departmental coordinators. 4. Conduct meetings with departmental coordinators to discuss the course uploading dates, reviews and other issues if any and maintain the records of meetings. 5. Set up strategy for resolving the issues faced by faculty members and students while uploading & downloading of courses on the portal. 6. Finalize the sheets of formative and summative review of course uploading. 7. Track the course uploading status of all the departments. 8. Share consolidated feedback with Dean Academics at the end of the semester. |
| FEEDBACK COMMITTEE | Dr. Ruchi Gupta & Dr. Y. K. Sharma | <ol style="list-style-type: none"> 1. Coordinate the design and analysis team for timely completion of the event. 2. Prepare the schedule of feedback with the help of time table team and conduct team. 3. Coordinate the conduct team during the feedback duration. 4. Prepare the feedback report with the help of analysing team with in time limit. 5. If overall coordinator is absent then coordinator and sub |

| | | |
|---|----------------------------|---|
| | | coordinator will look after the feedback task. |
| PLACEMENT COORDINATION COMMITTEE | Dr. Meenakshi Gupta | <ol style="list-style-type: none"> 1. Facilitate CRC for the campus placement drives 2. Coordinate with the Career Development Centre (CDC) and Manav Rachna Centre for Foreign Language (MRCFL) 3. Refer students to various companies for industrial training and placement 4. Provide the necessary information for the MRU web site update 5. Coordinate and visit the companies for final year students feedback 6. Provide update of the new company contacts to CRC 7. Track movement of final year students during internship and after graduating from University 8. Maintain record of internship progress of final year students 9. Coordinate presentations and final viva of the final year students 10. Obtain consent of the students for each and every drive, each and every activity for the master data 11. Provide information to the parents, regarding their wards placement activities/ placement progress 12. Provide complementary aptitude course material by rankjunction.com (video lecture) to the students 13. Create awareness amongst students about job fairs. 14. Provide pre-placement study material for recruitment drives 15. Provide NOC for companies for internship and placements 16. Organize Industry Guest Lectures for various streams 17. Provide pre placement technical training 18. Coordinate and conduct the guest lecture to enrich the students with the latest updates of the industry 19. Placement drives and various tests like cocubes and amcat. 20. Verify the students account on crc portal. 21. Provide the necessary information about the various companies offered by talent grids graduate competence test (Tggct), AMCAT and CoCubes 22. Provide the NOC as per the companies policy 23. Coordinate concluding ceremony |
| TIME TABLE COMMITTEE | Mr. Rohit Tanwar | <ol style="list-style-type: none"> 1. Finalize Time Table Calendar. 2. Ask from HOD's for their respective departmental time table team. 3. Set up strategy for making and maintaining time table by discussion with departmental time table coordinators. 4. Finalize various formats for load allocation, class and faculty time table, room master and lab master. 5. Finalize rules to be followed while generating and modifying time table. 6. Maintain coordination between different departmental coordinators and schedule meetings to resolve their issues if any and maintain records of meetings. 7. Coordinate with ERP and website uploading team. 8. Give consolidated feedback (including peer feedback) to HOD's and Deans. |

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|-----------------------------------|------------------------------------|--|
| <p>WEBSITE COMMITTEE</p> | <p>Ms. Sugandhi Midha</p> | <ol style="list-style-type: none"> 1. Finalizing website activity calendar 2. Managing Contents. 3. Maintaining Web Design. 4. Maintaining continuity of themes, layout. 5. Streamlining navigation. 6. Updating Contents. 7. Ask from the Dean's, HoD's for their respective areas contents and events information. 8. Communicate with the Web Team to keep apprised of developments. 9. Coordinating with the team members. 10. Reviewing website contents time to time to match with the updations in the university information database. 11. To be responsible for all Web data and the file structures in which it is kept. 12. Give consolidated feedback to Dean's and HoD's. |
| <p>ADMISSION COMMITTEE</p> | <p>Ms. Sanjana Malhotra</p> | <ol style="list-style-type: none"> 1. Collate data for admission brochure and other admission related material. 2. Coordinate with website committee for regular updation of admission related information on MRU website. 3. Coordinate with central admission team for deputing admission counselors and other admission activities. 4. Handling queries during admission counseling. 5. Planning and managing the admission process/physical counseling. 6. Compilation of data/preparation of merit list and vetting of data at the time of admission. 7. Coordinating MRNAT/UNIGAUGE entrance examination. |

| MANAV RACHNA UNIVERSITY | | | | | | |
|---|-------------|----------------|-----------------|---------------------|---------------------------------|---|
| JOURNAL REGISTER FROM 01/04/2016 TO 31/03/2017 | | | | | | |
| | | | | | ANNEXURE - 2.2.4.A | |
| Branch : ALL | | | | | | |
| Batch : All Mode :ALL | | | | | | |
| S.No. | Date | Voucher | Roll No. | Student Name | Fees Name | Approval By |
| 1 | 22/04/2016 | 300 | MRCE13105098 | Himanshu Yadav | Fee Concession- Special Aproval | SVP |
| 2 | 22/04/2016 | 301 | MRCE13105379 | Anjan Kar | Fee Concession- Special Aproval | SVP |
| 2 | 25/04/2016 | 302 | MRCE13104532 | Divyanshu Chhibber | Fee Concession- Special Aproval | SVP |
| 3 | 25/04/2016 | 303 | MRCE13104963 | Shivam Shikhar | Fee Concession- Special Aproval | SVP |
| 3 | 30/04/2016 | 304 | MRCE14001172 | Shivam Singhal | Fee Concession- Special Aproval | SVP |
| 4 | 07/05/2016 | 315 | MRCE14001171 | Rajat Sachdeva | Fee Concession- Special Aproval | 25% concession given by svp |
| 4 | 16/05/2016 | 316 | MRCE14000566 | Bashrat Bashir | Fee Concession- Special Aproval | concession given by svp |
| 5 | 16/05/2016 | 317 | MRCE13105931 | Aman Taneja | Fee Concession- Special Aproval | concession for 2016-17 given by svp |
| 5 | 16/05/2016 | 318 | MRCE14001365 | Rahul Kalra | Fee Concession- Special Aproval | concession for 2016-17 given by svp |
| 6 | 16/05/2016 | 319 | MRCE13105376 | Shivam Singh | Fee Concession- Special Aproval | concession for 2016-17 given by svp |
| 6 | 16/05/2016 | 320 | MRCE14000466 | Udit Grover | Fee Concession- Special Aproval | concession for 2016-17 given by svp |
| 7 | 16/05/2016 | 321 | MRCE13100039 | Rashmi Patel | Fee Concession- Special Aproval | concession for 2016-17 given by svp |
| 7 | 16/05/2016 | 322 | MRCE14000191 | Vaibhav Gupta | Fee Concession- Special Aproval | concession for 2016-17 given by svp |
| 8 | 20/05/2016 | 334 | MRU00266 | ANURAG SETIA | Tuition Fee Waive Off-25% | 25% T.F. WAIVER 2015-16 |
| 8 | 20/05/2016 | 335 | MRU00267 | K ADITYA | Tuition Fee Waive Off-25% | 25% T.F. WAIVER 2015-16 |
| 9 | 21/05/2016 | 336 | MRU00646 | PRATHAM GUPTA | Fee Concession- Special Aproval | CONCESSION FOR 2016-17, GIVEN BY SVP |
| 9 | 21/05/2016 | 337 | MRU00437 | GURPREET SINGH | Fee Concession- Special Aproval | CONCESSION FOR 2016-17 GIVEN BY SVP |
| 10 | 16/06/2016 | 339 | MRCE13105972 | Abhishek Yadav | Fee Concession- Special Aproval | fees per year 60000/-,remaining concession given by svp |
| 10 | 29/06/2016 | 348 | MRCE12104248 | KUMARI DIVYA | Fee Concession- Special Aproval | concession given by svp |
| 11 | 21/07/2016 | 354 | MRU1600369 | UJJWAL GAUR | Fee Concession- Special Aproval | SVP |
| 11 | 27/07/2016 | 361 | MRU1600833 | Yashika Bhardwaj | Fee Concession- Special Aproval | SVP |
| 12 | 27/07/2016 | 362 | MRU1600449 | ANKUR SINGH | Fee Concession- Special Aproval | SVP |
| 12 | 10/08/2016 | 364 | MRU00740 | SANJANA | Fee Concession of MREI | VC MRU |
| 13 | 10/08/2016 | 365 | MRU00701 | ARIVANANTHI P M | Fee Concession of MREI | VC MRU |
| 13 | 10/08/2016 | 366 | MRU00702 | MONIKA | Fee Concession of MREI | VC MRU |
| 14 | 10/08/2016 | 367 | MRU00705 | MANISHA HOODA | Fee Concession of MREI | VC MRU |

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|----|------------|-----|--------------|------------------|---------------------------------|-------------------------------------|
| 14 | 10/08/2016 | 368 | MRU00718 | YOGITA KHANNA | Fee Concession of MREI | VC MRU |
| 15 | 10/08/2016 | 369 | MRU00723 | NITIKA | Fee Concession of MREI | VC MRU |
| 15 | 10/08/2016 | 370 | MRU00732 | SUNITA JOSHI | Fee Concession of MREI | VC MRU |
| 16 | 10/08/2016 | 371 | MRU00731 | NEELU CHAUDHARY | Fee Concession of MREI | VC MRU |
| 16 | 10/08/2016 | 372 | MRU00750 | HANU PURI | Fee Concession of MREI | VC MRU |
| 17 | 10/08/2016 | 373 | MRU00752 | YASHIKA SHARMA | Fee Concession of MREI | VC MRU |
| 17 | 10/08/2016 | 374 | MRU00688 | Joginder Singh | Fee Concession of MREI | VC MRU |
| 18 | 10/08/2016 | 375 | MRU00695 | DEEPA K | Fee Concession of MREI | VC MRU |
| 18 | 10/08/2016 | 376 | MRU00720 | BHARTI JHA | Fee Concession of MREI | VC MRU |
| 19 | 10/08/2016 | 377 | MRU00745 | URMILA PILANIA | Fee Concession of MREI | VC MRU |
| 19 | 10/08/2016 | 378 | MRU00748 | MEENA | Fee Concession of MREI | VC MRU |
| 20 | 10/08/2016 | 379 | MRU00741 | PINKI SAGAR | Fee Concession of MREI | VC MRU |
| 20 | 17/08/2016 | 380 | MRU1600893 | Shalini Sharma | Fee Concession of MREI | Director Admissions |
| 21 | 09/09/2016 | 386 | MRU1600938 | VAIBHAV | Fee Concession- Special Aproval | vp (ppc) |
| 21 | 09/09/2016 | 387 | MRU1600870 | Divya Chhabra | Fee Concession- Special Aproval | SVP |
| 22 | 17/09/2016 | 395 | MRU1601017 | ABHISHEK JAIN | Fee Concession- Special Aproval | concession given in fet trfd to mru |
| 22 | 17/09/2016 | 396 | MRCE13105612 | Himanshu | Tuition fee waive off 100% | VC (MRU) |
| 23 | 17/09/2016 | 397 | MRCE13104930 | Rupesh Jha | Tuition fee waive off 100% | VC (MRU) |
| 23 | 17/09/2016 | 398 | MRCE13105578 | Yash Prajapati | Tuition fee waive off 100% | VC (MRU) |
| 24 | 17/09/2016 | 399 | MRCE13105588 | Ashutosh Kumar | Tuition fee waive off 100% | VC (MRU) |
| 24 | 17/09/2016 | 400 | MRCE13105619 | Rishabh Kadian | Tuition fee waive off 100% | VC (MRU) |
| 25 | 17/09/2016 | 401 | MRCE13105571 | Deepanshu | Tuition fee waive off 100% | VC (MRU) |
| 25 | 17/09/2016 | 402 | MRCE13105787 | Sawraj Singh | Tuition fee waive off 100% | VC (MRU) |
| 26 | 17/09/2016 | 403 | MRCE13105574 | Rahul Kaushik | Tuition fee waive off 100% | VC (MRU) |
| 26 | 17/09/2016 | 404 | MRCE13105567 | Rahul Goyal | Tuition fee waive off 100% | VC (MRU) |
| 27 | 17/09/2016 | 405 | MRCE13105698 | Akash Kumar | Tuition fee waive off 100% | VC (MRU) |
| 27 | 17/09/2016 | 406 | MRCE13105563 | Kalpana Kaushik | Tuition fee waive off 100% | VC (MRU) |
| 28 | 17/09/2016 | 407 | MRCE13105705 | Keval Kumar | Tuition fee waive off 100% | VC (MRU) |
| 28 | 17/09/2016 | 408 | MRCE13105615 | Amit Kumar | Tuition fee waive off 100% | VC (MRU) |
| 29 | 17/09/2016 | 409 | MRCE13105771 | Anil | Tuition fee waive off 100% | VC (MRU) |
| 29 | 17/09/2016 | 410 | MRCE13105346 | Ankit Kumar | Tuition fee waive off 100% | VC (MRU) |
| 30 | 17/09/2016 | 411 | MRCE13105719 | Mohit Rohilla | Tuition fee waive off 100% | VC (MRU) |
| 30 | 17/09/2016 | 412 | MRCE13105362 | Vivek Pandey | Tuition fee waive off 100% | VC (MRU) |
| 31 | 17/09/2016 | 413 | MRCE13105568 | Aakash Lohan | Tuition fee waive off 100% | VC (MRU) |
| 31 | 17/09/2016 | 414 | MRCE13105555 | Jaidev Bajaj | Tuition fee waive off 100% | VC (MRU) |
| 32 | 17/09/2016 | 415 | MRCE13105592 | Shubham Gandhi | Tuition fee waive off 100% | VC (MRU) |
| 32 | 17/09/2016 | 416 | MRCE14001208 | Sagar Duhan | Tuition fee waive off 100% | VC (MRU) |
| 33 | 17/09/2016 | 417 | MRCE14001176 | Bhavika | Tuition fee waive off 100% | VC (MRU) |
| 33 | 17/09/2016 | 418 | MRCE14001210 | Sahil Sehra | Tuition fee waive off 100% | VC (MRU) |
| 34 | 17/09/2016 | 419 | MRCE14001161 | Shubham | Tuition fee waive off 100% | VC (MRU) |
| 34 | 17/09/2016 | 420 | MRCE14001209 | Shubham Bhardwaj | Tuition fee waive off 100% | VC (MRU) |
| 35 | 17/09/2016 | 421 | MRCE14001338 | Shubham Goel | Tuition fee waive off 100% | VC (MRU) |

| | | | | | | |
|----|------------|-----|--------------|---------------------|---------------------------------|--------------------------|
| 35 | 17/09/2016 | 422 | MRCE14001165 | Gaurav Tewatia | Tuition fee waive off 100% | VC (MRU) |
| 36 | 17/09/2016 | 423 | MRCE14001214 | Vishvender Chauhan | Tuition fee waive off 100% | VC (MRU) |
| 36 | 17/09/2016 | 424 | MRCE14000632 | Akash Gupta | Tuition fee waive off 100% | VC (MRU) |
| 37 | 17/09/2016 | 425 | MRCE14001310 | Pankaj Panghal | Tuition fee waive off 100% | VC (MRU) |
| 37 | 17/09/2016 | 426 | MRCE14001180 | Samuel Thomas | Tuition fee waive off 100% | VC (MRU) |
| 38 | 17/09/2016 | 427 | MRCE14001177 | Shaiq Ahmed Khan | Tuition fee waive off 100% | VC (MRU) |
| 38 | 17/09/2016 | 428 | MRCE14001186 | Himanshu Jain | Tuition fee waive off 100% | VC (MRU) |
| 39 | 17/09/2016 | 429 | MRCE14001207 | Nitin Kumar Atri | Tuition fee waive off 100% | VC (MRU) |
| 39 | 17/09/2016 | 430 | MRCE14001197 | Shivam Jadon | Tuition fee waive off 100% | VC (MRU) |
| 40 | 17/09/2016 | 431 | MRCE14001288 | Sagar Arora | Tuition fee waive off 100% | VC (MRU) |
| 40 | 17/09/2016 | 432 | MRCE14000444 | Mohit Jhamb | Tuition fee waive off 100% | VC (MRU) |
| 41 | 17/09/2016 | 433 | MRCE14001196 | Sudhir Kumar Prasad | Tuition fee waive off 100% | VC (MRU) |
| 41 | 17/09/2016 | 434 | MRCE12104157 | YOGESH AHLAWAT | Tuition fee waive off 100% | VC (MRU) |
| 42 | 20/09/2016 | 435 | MRCE13105379 | Anjan Kar | Fee Concession- Special Aproval | svp |
| 42 | 22/09/2016 | 436 | MRU00660 | BAL MOHAN | Fee Concession of MREI | pro vc (mru) |
| 43 | 26/09/2016 | 438 | MRU1600351 | SONALIKA SINGH | Fee Concession- Special Aproval | VP(PPC) |
| 43 | 28/09/2016 | 439 | MRU1600807 | Suraj Sharma | Fee Concession- Special Aproval | SVP |
| 44 | 05/11/2016 | 465 | MRU1601022 | SNEHA | Tuition Fee Waive Off-50% | 50% scholarship |
| 44 | 05/11/2016 | 466 | MRU1600847 | Pankaj | Tuition fee waive off 100% | 100% scholarship-IST SEM |
| 45 | 05/11/2016 | 467 | MRU1601023 | NIDHI CHAUDHARY | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 45 | 05/11/2016 | 468 | MRU1600692 | VARUN SHARMA | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 46 | 05/11/2016 | 469 | MRU1600503 | YASH | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 46 | 05/11/2016 | 470 | MRU1600084 | KARAN GARG | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 47 | 05/11/2016 | 471 | MRU1600424 | SUDHANSU DAS | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 47 | 05/11/2016 | 472 | MRU1600262 | SARTHAK SETIA | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 48 | 05/11/2016 | 473 | MRU1600502 | RISHABH GARG | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 48 | 05/11/2016 | 474 | MRU1600471 | AARUSH SHARMA | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 49 | 05/11/2016 | 475 | MRU1600413 | RAJEEV SINGH | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 49 | 05/11/2016 | 476 | MRU1600297 | ANURAG RAWAL | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 50 | 05/11/2016 | 477 | MRU1600473 | DIVIJ JINDAL | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 50 | 05/11/2016 | 478 | MRU1600412 | Mayank Mehmi | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 51 | 05/11/2016 | 479 | MRU1600742 | Abhishek Sontakke | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 51 | 05/11/2016 | 480 | MRU1600845 | SONAL SINGHAL | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 52 | 05/11/2016 | 481 | MRU1600855 | Deepanshu Aggarwal | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 52 | 05/11/2016 | 482 | MRU1600865 | Harsh Aggarwal | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 53 | 05/11/2016 | 483 | MRU1600890 | GAURAV JOSHI | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 53 | 05/11/2016 | 484 | MRU1600528 | Hitesh Bajaj | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 54 | 05/11/2016 | 485 | MRU1600985 | Sanjil Jain | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 54 | 05/11/2016 | 486 | MRU1600997 | RITESH NAGPAL | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 55 | 05/11/2016 | 487 | MRU1600907 | Prajwal Saini | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 55 | 05/11/2016 | 488 | MRU1600827 | CHIRAG WALECHA | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 56 | 05/11/2016 | 489 | MRU1600363 | NAMAN JAIN | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |

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| 56 | 05/11/2016 | 490 | MRU1600072 | AISHWARYA NAIR | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 57 | 05/11/2016 | 491 | MRU1600132 | Shashak Uppal | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 57 | 05/11/2016 | 492 | MRU1600409 | SAKSHI ARORA | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 58 | 05/11/2016 | 493 | MRU1600389 | HITESH KHANNA | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 58 | 05/11/2016 | 494 | MRU1600399 | VIRENDER KADIAN | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 59 | 05/11/2016 | 495 | MRU1600373 | DHRUV KUMAR | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 59 | 05/11/2016 | 496 | MRU1600624 | TRIDEV NATH | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 60 | 05/11/2016 | 497 | MRU1600278 | POOJA SETH | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 60 | 05/11/2016 | 498 | MRU1600663 | ASHISH VERMA | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 61 | 05/11/2016 | 499 | MRU1600671 | SURAJ MAKKAR | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 61 | 05/11/2016 | 500 | MRU1600676 | Saurabh Sethi | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 62 | 05/11/2016 | 501 | MRU1600707 | Aditya Bhushan | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 62 | 05/11/2016 | 502 | MRU1600558 | SRISHTI SETIA | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 63 | 05/11/2016 | 503 | MRU1600840 | SHAILJA YADAV | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 63 | 05/11/2016 | 504 | MRU1600850 | Gaurav | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 64 | 05/11/2016 | 505 | MRU1600906 | Pawan Gupta | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 64 | 05/11/2016 | 506 | MRU1600422 | SURBHI MAKKAR | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 65 | 05/11/2016 | 507 | MRU1600530 | NIKITA SANGHI | Tuition fee waive off 100% | 100% scholarship-IST SEM |
| 65 | 05/11/2016 | 508 | MRU1600341 | YUVRAJ SHARMA | Tuition fee waive off 100% | 100% scholarship-IST SEM |
| 66 | 05/11/2016 | 509 | MRU1600773 | KANIKA GUPTA | Tuition fee waive off 100% | 100% scholarship-IST SEM |
| 66 | 05/11/2016 | 510 | MRU1600908 | Sumeet Chandel | Tuition fee waive off 100% | 100% scholarship-IST SEM |
| 67 | 05/11/2016 | 511 | MRU1600947 | Kaustubh Dhasmana | Tuition fee waive off 100% | 100% scholarship-IST SEM |
| 67 | 05/11/2016 | 512 | MRU1600599 | AMAN DIWAKAR | Tuition fee waive off 100% | 100% scholarship-IST SEM |
| 68 | 05/11/2016 | 513 | MRU1600330 | ARIKA SINGLA | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 68 | 05/11/2016 | 514 | MRU1600571 | SANCHITA DHAR | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 69 | 05/11/2016 | 515 | MRU1600235 | Mayank Hans | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 69 | 05/11/2016 | 516 | MRU1600526 | AYUSH GOYAL | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 70 | 05/11/2016 | 517 | MRU1600918 | Abhiroop Chopra | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 70 | 05/11/2016 | 518 | MRU1600898 | Palak Arora | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 71 | 05/11/2016 | 519 | MRU1600920 | Mayank Nagpal | Tuition fee waive off 100% | |
| 71 | 05/11/2016 | 520 | MRU1600831 | Himanshu rawat | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 72 | 05/11/2016 | 521 | MRU1600729 | SOMESH S | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 72 | 05/11/2016 | 522 | MRU1600745 | MAYANK SADHRA | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 73 | 05/11/2016 | 523 | MRU1600866 | ISHA SHARMA | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 73 | 05/11/2016 | 524 | MRU1600415 | MUKUL BHATIA | Tuition fee waive off 100% | 100% scholarship-IST SEM |
| 74 | 05/11/2016 | 525 | MRU1600915 | Harsh Tyagi | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 74 | 05/11/2016 | 526 | MRU1600835 | SAGAR AGGARWAL | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 75 | 05/11/2016 | 527 | MRU1600744 | Jayana Pruthi | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 75 | 05/11/2016 | 528 | MRU1600736 | Ashwat Gupta | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 76 | 05/11/2016 | 529 | MRU1600255 | Yogita Singh | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 76 | 05/11/2016 | 530 | MRU1600836 | VAMSI | Tuition fee waive off 100% | 100% scholarship-IST SEM |
| 77 | 05/11/2016 | 531 | MRU1601006 | MEGHNA SINGH | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |

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| 77 | 05/11/2016 | 532 | MRU1600902 | Himanshi Kaushik | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 78 | 05/11/2016 | 533 | MRU1600888 | Saloni Goyal | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 78 | 05/11/2016 | 534 | MRU1600870 | Divya Chhabra | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 79 | 05/11/2016 | 535 | MRU1600470 | KAJOL RANA | Tuition fee waive off 100% | 100% scholarship-IST SEM |
| 79 | 05/11/2016 | 536 | MRU1600986 | PRIYANKA ARORA | Tuition fee waive off 100% | 100% scholarship-IST SEM |
| 80 | 05/11/2016 | 537 | MRU1600134 | Dipti Srivastava | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 80 | 05/11/2016 | 538 | MRU1600763 | Kanika Bhatia | Tuition Fee Waive Off-50% | 50% scholarship-IST SEM |
| 81 | 05/11/2016 | 539 | MRU1600948 | PRANAV ARORA | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 81 | 05/11/2016 | 540 | MRU1600347 | HIMANSHI MUDGIL | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 82 | 05/11/2016 | 541 | MRU1600709 | AARUSHI SHARMA | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 82 | 05/11/2016 | 542 | MRU1600519 | DHRUV KAPOOR | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 83 | 05/11/2016 | 543 | MRU1600993 | YADU NANDAN | Tuition Fee Waive Off-25% | 25% scholarship-IST SEM |
| 83 | 05/11/2016 | 544 | MRU1601022 | SNEHA | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 84 | 05/11/2016 | 545 | MRU1600847 | Pankaj | Tuition fee waive off 100% | 100% scholarship-2ND SEM |
| 84 | 05/11/2016 | 546 | MRU1601023 | NIDHI CHAUDHARY | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 85 | 05/11/2016 | 547 | MRU1600692 | VARUN SHARMA | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 85 | 05/11/2016 | 548 | MRU1600503 | YASH | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 86 | 05/11/2016 | 549 | MRU1600084 | KARAN GARG | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 86 | 05/11/2016 | 550 | MRU1600424 | SUDHANSU DAS | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 87 | 05/11/2016 | 551 | MRU1600262 | SARTHAK SETIA | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 87 | 05/11/2016 | 552 | MRU1600502 | RISHABH GARG | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 88 | 05/11/2016 | 553 | MRU1600471 | AARUSH SHARMA | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 88 | 05/11/2016 | 554 | MRU1600413 | RAJEEV SINGH | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 89 | 05/11/2016 | 555 | MRU1600297 | ANURAG RAWAL | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 89 | 05/11/2016 | 556 | MRU1600473 | DIVIJ JINDAL | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 90 | 05/11/2016 | 557 | MRU1600412 | Mayank Mehmi | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 90 | 05/11/2016 | 558 | MRU1600742 | Abhishek Sontakke | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 91 | 05/11/2016 | 559 | MRU1600845 | SONAL SINGHAL | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 91 | 05/11/2016 | 560 | MRU1600855 | Deepanshu Aggarwal | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 92 | 05/11/2016 | 561 | MRU1600865 | Harsh Aggarwal | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 92 | 05/11/2016 | 562 | MRU1600890 | GAURAV JOSHI | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 93 | 05/11/2016 | 563 | MRU1600528 | Hitesh Bajaj | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 93 | 05/11/2016 | 564 | MRU1600985 | Sanjil Jain | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 94 | 05/11/2016 | 565 | MRU1600997 | RITESH NAGPAL | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 94 | 05/11/2016 | 566 | MRU1600907 | Prajwal Saini | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 95 | 05/11/2016 | 567 | MRU1600827 | CHIRAG WALECHA | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 95 | 05/11/2016 | 568 | MRU1600363 | NAMAN JAIN | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 96 | 05/11/2016 | 569 | MRU1600072 | AISHWARYA NAIR | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 96 | 05/11/2016 | 570 | MRU1600132 | Shashak Uppal | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 97 | 05/11/2016 | 571 | MRU1600409 | SAKSHI ARORA | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 97 | 05/11/2016 | 572 | MRU1600389 | HITESH KHANNA | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 98 | 05/11/2016 | 573 | MRU1600399 | VIRENDER KADIAN | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |

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| 98 | 05/11/2016 | 574 | MRU1600373 | DHRUV KUMAR | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 99 | 05/11/2016 | 575 | MRU1600624 | TRIDEV NATH | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 99 | 05/11/2016 | 576 | MRU1600278 | POOJA SETH | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 100 | 05/11/2016 | 577 | MRU1600663 | ASHISH VERMA | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 100 | 05/11/2016 | 578 | MRU1600671 | SURAJ MAKKAR | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 101 | 05/11/2016 | 579 | MRU1600676 | Saurabh Sethi | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 101 | 05/11/2016 | 580 | MRU1600707 | Aditya Bhushan | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 102 | 05/11/2016 | 581 | MRU1600558 | SRISHTI SETIA | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 102 | 05/11/2016 | 582 | MRU1600840 | SHAILJA YADAV | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 103 | 05/11/2016 | 583 | MRU1600850 | Gaurav | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 103 | 05/11/2016 | 584 | MRU1600906 | Pawan Gupta | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 104 | 05/11/2016 | 585 | MRU1600422 | SURBHI MAKKAR | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 104 | 05/11/2016 | 586 | MRU1600530 | NIKITA SANGHI | Tuition fee waive off 100% | 100% scholarship-2ND SEM |
| 105 | 05/11/2016 | 587 | MRU1600341 | YUVRAJ SHARMA | Tuition fee waive off 100% | 100% scholarship-2ND SEM |
| 105 | 05/11/2016 | 588 | MRU1600773 | KANIKA GUPTA | Tuition fee waive off 100% | 100% scholarship-2ND SEM |
| 106 | 05/11/2016 | 589 | MRU1600908 | Sumeet Chandel | Tuition fee waive off 100% | 100% scholarship-2ND SEM |
| 106 | 05/11/2016 | 590 | MRU1600947 | Kaustubh Dhasmana | Tuition fee waive off 100% | 100% scholarship-2ND SEM |
| 107 | 05/11/2016 | 591 | MRU1600599 | AMAN DIWAKAR | Tuition fee waive off 100% | 100% scholarship-2ND SEM |
| 107 | 05/11/2016 | 592 | MRU1600330 | ARIKA SINGLA | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 108 | 05/11/2016 | 593 | MRU1600571 | SANCHITA DHAR | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 108 | 05/11/2016 | 594 | MRU1600235 | Mayank Hans | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 109 | 05/11/2016 | 595 | MRU1600526 | AYUSH GOYAL | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 109 | 05/11/2016 | 596 | MRU1600918 | Abhiroop Chopra | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 110 | 05/11/2016 | 597 | MRU1600898 | Palak Arora | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 110 | 05/11/2016 | 598 | MRU1600920 | Mayank Nagpal | Tuition fee waive off 100% | 100% scholarship-2ND SEM |
| 111 | 05/11/2016 | 599 | MRU1600831 | Himanshu rawat | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 111 | 05/11/2016 | 600 | MRU1600729 | SOMESH S | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 112 | 05/11/2016 | 601 | MRU1600745 | MAYANK SADHRA | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 112 | 05/11/2016 | 602 | MRU1600866 | ISHA SHARMA | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 113 | 05/11/2016 | 603 | MRU1600415 | MUKUL BHATIA | Tuition fee waive off 100% | 100% scholarship-2ND SEM |
| 113 | 05/11/2016 | 604 | MRU1600915 | Harsh Tyagi | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 114 | 05/11/2016 | 605 | MRU1600835 | SAGAR AGGARWAL | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 114 | 05/11/2016 | 606 | MRU1600744 | Jayana Pruthi | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 115 | 05/11/2016 | 607 | MRU1600736 | Ashwat Gupta | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 115 | 05/11/2016 | 608 | MRU1600255 | Yogita Singh | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 116 | 05/11/2016 | 609 | MRU1600836 | VAMSI | Tuition fee waive off 100% | 100% scholarship-2ND SEM |
| 116 | 05/11/2016 | 610 | MRU1601006 | MEGHNA SINGH | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 117 | 05/11/2016 | 611 | MRU1600902 | Himanshi Kaushik | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 117 | 05/11/2016 | 612 | MRU1600888 | Saloni Goyal | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 118 | 05/11/2016 | 613 | MRU1600870 | Divya Chhabra | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 118 | 05/11/2016 | 614 | MRU1600470 | KAJOL RANA | Tuition fee waive off 100% | 100% scholarship-2ND SEM |
| 119 | 05/11/2016 | 615 | MRU1600986 | PRIYANKA ARORA | Tuition fee waive off 100% | 100% scholarship-2ND SEM |

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| 119 | 05/11/2016 | 616 | MRU1600134 | Dipti Srivastava | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 120 | 05/11/2016 | 617 | MRU1600763 | Kanika Bhatia | Tuition Fee Waive Off-50% | 50% scholarship-2ND SEM |
| 120 | 05/11/2016 | 618 | MRU1600948 | PRANAV ARORA | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 121 | 05/11/2016 | 619 | MRU1600347 | HIMANSHI MUDGIL | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 121 | 05/11/2016 | 620 | MRU1600709 | AARUSHI SHARMA | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 122 | 05/11/2016 | 621 | MRU1600519 | DHRUV KAPOOR | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 122 | 05/11/2016 | 622 | MRU1600993 | YADU NANDAN | Tuition Fee Waive Off-25% | 25% scholarship-2ND SEM |
| 123 | 17/11/2016 | 623 | MRCE13105113 | Varun Rajpal | Fee Concession- Special Aproval | svp |
| 123 | 02/12/2016 | 625 | MRCE14000785 | Sakshi Nautiyal | Fee Concession- Special Aproval | svp |
| 124 | 02/12/2016 | 627 | MRCE13104963 | Shivam Shikhar | Fee Concession- Special Aproval | SVP |
| 124 | 02/12/2016 | 628 | MRU1600369 | UJJWAL GAUR | Fee Concession- Special Aproval | SVP |
| 125 | 02/12/2016 | 629 | MRU1600938 | VAIBHAV | Fee Concession- Special Aproval | VP(PPC) |
| 125 | 02/12/2016 | 630 | MRCE13105972 | Abhishek Yadav | Fee Concession- Special Aproval | SVP |
| 126 | 02/12/2016 | 631 | MRCE13105098 | Himanshu Yadav | Fee Concession- Special Aproval | SVP |
| 126 | 02/12/2016 | 632 | MRCE14001171 | Rajat Sachdeva | Fee Concession- Special Aproval | SVP |
| 127 | 02/12/2016 | 633 | MRU1600271 | ANKIT MANN | Fee Concession- Special Aproval | SVP |
| 127 | 02/12/2016 | 634 | MRU00347 | UTKARSH KAUSHIK | Fee Concession- Special Aproval | SVP |
| 128 | 09/12/2016 | 635 | MRU1600481 | ADITYA SHARMA | Fee Concession- Special Aproval | svp |
| 128 | 09/12/2016 | 636 | MRCE14001172 | Shivam Singhal | Fee Concession- Special Aproval | svp |
| 129 | 23/12/2016 | 645 | MRU1600397 | SHOBHEN TEWATIA | Fee Concession- Special Aproval | SVP |
| 129 | 19/01/2017 | 647 | MRU1600841 | RIYA SANDHU | Fee Concession of MREI | VC(MRU) |
| 130 | 04/02/2017 | 648 | MRU1600424 | SUDHANSU DAS | Fee Concession- Special Aproval | WAIVER GIVEN BY SVP |
| 130 | 07/02/2017 | 649 | MRU00654 | Puneet Gulati | TUITION FEE | registrar office order 15.12.16 |
| 131 | 07/02/2017 | 651 | MRU00561 | RAHUL LAMBA | TUITION FEE | office order 15.12.16 |
| 131 | 07/02/2017 | 652 | MRU00261 | VINAYAK KUMAR | TUITION FEE | office order 15.12.16 |
| 132 | 07/02/2017 | 653 | MRU00529 | AMAN BHARDWAJ | TUITION FEE | office order 15.12.16 |
| 132 | 07/02/2017 | 654 | MRU00512 | RISHABH | TUITION FEE | office order 15.12.16 |
| 133 | 07/02/2017 | 655 | MRU00319 | Dheeraj | TUITION FEE | office order 15.12.16 |
| 133 | 07/02/2017 | 656 | MRU00539 | SIMRAN SACHDEVA | TUITION FEE | office order 15.12.16 |
| 134 | 07/02/2017 | 657 | MRU00311 | HIMANSHU GUPTA | TUITION FEE | office order 15.2.16 |
| 134 | 07/02/2017 | 659 | MRU00267 | K ADITYA | TUITION FEE | office order 15.12.16 |
| 135 | 07/02/2017 | 661 | MRU00128 | RIYA NAGPAL | TUITION FEE | office order 15.12.16 |
| 135 | 07/02/2017 | 662 | MRU00041 | SHREYA MITTAL | TUITION FEE | office order 15.12.16 |
| 136 | 07/02/2017 | 663 | MRU00331 | KARAN KAUSHIK | TUITION FEE | office order 15.12.16 |
| 136 | 07/02/2017 | 664 | MRU00664 | HARSH VOHRA | TUITION FEE | office order 15.12.16 |
| 137 | 07/02/2017 | 665 | MRU00660 | BAL MOHAN | TUITION FEE | office order 15.12.16 |
| 137 | 07/02/2017 | 666 | MRU00657 | PRIYANKA TEWATIA | TUITION FEE | office order 15.12.16 |
| 138 | 07/02/2017 | 667 | MRU00673 | AYUSH | TUITION FEE | office order 15.12.16 |
| 138 | 07/02/2017 | 671 | MRU00586 | YASHESH DAGAR | TUITION FEE | office order 15.12.16 |
| 139 | 07/02/2017 | 672 | MRCE00012 | DIVYA TYAGI | TUITION FEE | office order 19.12.16 |

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| 139 | 07/02/2017 | 674 | MRU00653 | ADITYA SHARMA | TUITION FEE | office order 15.12.16 |
| 140 | 07/02/2017 | 675 | MRU00360 | KARAN SEHGAL | TUITION FEE | office order 15.12.16 |
| 140 | 07/02/2017 | 676 | MRU00022 | VIBHUTI MITTAL | TUITION FEE | office order 15.12.16 |
| 141 | 07/02/2017 | 677 | MRU00460 | ANKIT DAHIYA | TUITION FEE | office order 15.12.16 |
| 141 | 07/02/2017 | 678 | MRU00586 | YASHESH DAGAR | TUITION FEE | office order 15.12.16 |
| 142 | 07/02/2017 | 679 | MRU00629 | SHIVAM BANSAL | TUITION FEE | office order 15.12.16 |
| 142 | 13/02/2017 | 680 | MRU00022 | VIBHUTI MITTAL | TUITION FEE | office order 15.12.16 |
| 143 | 13/02/2017 | 681 | MRU00022 | VIBHUTI MITTAL | TUITION FEE | office order 15.12.16 |
| 143 | 13/02/2017 | 682 | MRU00022 | VIBHUTI MITTAL | TUITION FEE | office order 15.12.16 |
| 144 | 17/02/2017 | 683 | MRU00606 | MOSIM | TUITION FEE | office order 14.2.17 |
| 144 | 17/02/2017 | 684 | MRU00606 | MOSIM | TUITION FEE | office order 14.2.17 |
| 145 | 17/02/2017 | 685 | MRCE14001496 | Meera Raina | Fee Concession- Special Aproval | office order 18.1.16 |
| 145 | 17/02/2017 | 685 | MRCE14001496 | Meera Raina | Fee Concession- Special Aproval | office order 18.1.16 |
| 146 | 17/02/2017 | 685 | MRCE14001496 | Meera Raina | Fee Concession- Special Aproval | office order 18.1.16 |
| 146 | 17/02/2017 | 685 | MRCE14001496 | Meera Raina | Fee Concession- Special Aproval | office order 18.1.16 |
| 147 | 22/02/2017 | 690 | MRCE14001496 | Meera Raina | Fee Concession- Special Aproval | OFFICE ORDER 18.1.17 |
| 147 | 22/02/2017 | 690 | MRCE14001496 | Meera Raina | Fee Concession- Special Aproval | OFFICE ORDER 18.1.17 |
| 148 | 22/02/2017 | 690 | MRCE14001496 | Meera Raina | Fee Concession- Special Aproval | OFFICE ORDER 18.1.17 |
| 148 | 22/02/2017 | 690 | MRCE14001496 | Meera Raina | Fee Concession- Special Aproval | OFFICE ORDER 18.1.17 |
| 149 | 22/02/2017 | 690 | MRCE14001496 | Meera Raina | Fee Concession- Special Aproval | OFFICE ORDER 18.1.17 |
| 149 | 22/02/2017 | 690 | MRCE14001496 | Meera Raina | Fee Concession- Special Aproval | OFFICE ORDER 18.1.17 |
| 150 | 22/02/2017 | 690 | MRCE14001496 | Meera Raina | Fee Concession- Special Aproval | OFFICE ORDER 18.1.17 |
| 150 | 22/02/2017 | 690 | MRCE14001496 | Meera Raina | Fee Concession- Special Aproval | OFFICE ORDER 18.1.17 |
| 151 | 22/02/2017 | 690 | MRCE14001496 | Meera Raina | Fee Concession- Special Aproval | OFFICE ORDER 18.1.17 |
| 151 | 22/02/2017 | 690 | MRCE14001496 | Meera Raina | Fee Concession- Special Aproval | OFFICE ORDER 18.1.17 |
| 152 | 22/02/2017 | 690 | MRCE14001496 | Meera Raina | Fee Concession- Special Aproval | OFFICE ORDER 18.1.17 |
| 152 | 22/02/2017 | 690 | MRCE14001496 | Meera Raina | Fee Concession- Special Aproval | OFFICE ORDER 18.1.17 |
| 153 | 22/02/2017 | 690 | MRCE14001496 | Meera Raina | Fee Concession- Special Aproval | OFFICE ORDER 18.1.17 |
| 153 | 22/02/2017 | 690 | MRCE14001496 | Meera Raina | Fee Concession- Special Aproval | OFFICE ORDER 18.1.17 |
| 154 | 22/02/2017 | 691 | MRCE14001496 | Meera Raina | Fee Concession- Special Aproval | OFFICE ORDER 18.1.17 |
| 154 | 27/02/2017 | 692 | MRU1600931 | Santosh Kumar | TUITION FEE | office order 23.2.17 |
| 155 | 27/02/2017 | 693 | MRU1600931 | Santosh Kumar | TUITION FEE | office order 23.2.17 |
| 155 | 27/02/2017 | 695 | MRU1600876 | Vishwajeet Mallick | TUITION FEE | office order 23.2.17 |
| 156 | 27/02/2017 | 696 | MRU1600876 | Vishwajeet Mallick | TUITION FEE | office order 23.2.17 |
| 156 | 27/02/2017 | 697 | MRU1600646 | VIJAY ARORA | TUITION FEE | office order 23.2.17 |
| 157 | 27/02/2017 | 698 | MRU1600646 | VIJAY ARORA | TUITION FEE | office order 23.2.17 |
| 157 | 27/02/2017 | 699 | MRU1600508 | PRAVEEN SHARMA | TUITION FEE | office order 23.2.17 |
| 158 | 27/02/2017 | 700 | MRU1600508 | PRAVEEN SHARMA | TUITION FEE | office order 23.2.17 |
| 158 | 27/02/2017 | 701 | MRU1600689 | PAWAN KAUSHIK | TUITION FEE | office order 23.2.17 |
| 159 | 27/02/2017 | 702 | MRU1600689 | PAWAN KAUSHIK | TUITION FEE | office order 23.2.17 |
| 159 | 27/02/2017 | 703 | MRU1600174 | NISHANT DHINGRA | TUITION FEE | office order 23.2.17 |
| 160 | 27/02/2017 | 704 | MRU1600174 | NISHANT DHINGRA | TUITION FEE | office order 23.2.17 |

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| 160 | 27/02/2017 | 705 | MRU1600726 | Subodh Gupta | TUITION FEE | office order 23.2.17 |
| 161 | 27/02/2017 | 706 | MRU1600726 | Subodh Gupta | TUITION FEE | office order 23.2.17 |
| 161 | 27/02/2017 | 707 | MRU1600919 | Tejasv Tanwar | TUITION FEE | office order 23.2.17 |
| 162 | 27/02/2017 | 708 | MRU1600919 | Tejasv Tanwar | TUITION FEE | office order 23.2.17 |
| 162 | 27/02/2017 | 709 | MRU1600864 | Shubham Mavi | TUITION FEE | office order 23.2.17 |
| 163 | 27/02/2017 | 710 | MRU1600864 | Shubham Mavi | TUITION FEE | office order 23.2.17 |
| 163 | 27/02/2017 | 711 | MRU1600952 | SHIVAM BHATIA | TUITION FEE | office order 23.2.17 |
| 164 | 27/02/2017 | 712 | MRU1600952 | SHIVAM BHATIA | TUITION FEE | office order 23.2.17 |
| 164 | 27/02/2017 | 713 | MRU1600268 | YASH PAL BAGHEL | TUITION FEE | office order 23.2.17 |
| 165 | 27/02/2017 | 714 | MRU1600268 | YASH PAL BAGHEL | TUITION FEE | office order 23.2.17 |
| 165 | 27/02/2017 | 715 | MRU1601034 | RIZWAN | TUITION FEE | office order 23.2.17 |
| 166 | 27/02/2017 | 716 | MRU1601034 | RIZWAN | TUITION FEE | office order 23.2.17 |
| 166 | 27/02/2017 | 717 | MRU1600895 | Himanshu Bhatia | TUITION FEE | OFFICE ORDER 23.2.17 |
| 167 | 27/02/2017 | 718 | MRU1600895 | Himanshu Bhatia | TUITION FEE | OFFICE ORDER 23.2.17 |
| 167 | 27/02/2017 | 719 | MRU1600716 | ISHANT YADAV | TUITION FEE | office order 23.2.17 |
| 168 | 27/02/2017 | 720 | MRU1600716 | ISHANT YADAV | TUITION FEE | office order 23.2.17 |
| 168 | 27/02/2017 | 721 | MRU1600303 | VIKASH SINGH | TUITION FEE | office order 23.2.17 |
| 169 | 27/02/2017 | 722 | MRU1600303 | VIKASH SINGH | TUITION FEE | office order 23.2.17 |
| 169 | 27/02/2017 | 723 | MRU1601031 | BOBY | TUITION FEE | office order 23.2.17 |
| 170 | 27/02/2017 | 724 | MRU1601031 | BOBY | TUITION FEE | office order 23.2.17 |
| 170 | 27/02/2017 | 725 | MRU1600803 | RAHUL SHARMA | TUITION FEE | office order 23.2.17 |
| 171 | 27/02/2017 | 726 | MRU1600803 | RAHUL SHARMA | TUITION FEE | office order 23.2.17 |
| 171 | 27/02/2017 | 727 | MRU1600550 | JAGMOHAN | TUITION FEE | office order 23.2.17 |
| 172 | 27/02/2017 | 728 | MRU1600550 | JAGMOHAN | TUITION FEE | office order 23.2.17 |
| 172 | 27/02/2017 | 729 | MRU1600527 | MAYANK GARG | TUITION FEE | office order 23.2.17 |
| 173 | 27/02/2017 | 730 | MRU1600527 | MAYANK GARG | TUITION FEE | office order 23.2.17 |
| 173 | 27/02/2017 | 731 | MRU1600655 | AMAN YADAV | TUITION FEE | office order 23.2.17 |
| 174 | 27/02/2017 | 732 | MRU1600655 | AMAN YADAV | TUITION FEE | office order 23.2.17 |
| 174 | 27/02/2017 | 733 | MRU1600916 | Shweta | TUITION FEE | office order 23.2.17 |
| 175 | 27/02/2017 | 734 | MRU1600916 | Shweta | TUITION FEE | office order 23.2.17 |
| 175 | 27/02/2017 | 735 | MRU1600181 | YASH CHAUDHARY | TUITION FEE | office order 23.2.17 |
| 176 | 27/02/2017 | 736 | MRU1600181 | YASH CHAUDHARY | TUITION FEE | office order 23.2.17 |
| 176 | 27/02/2017 | 737 | MRU1600531 | ABDUL RUB SAIFI | TUITION FEE | office order 23.2.17 |
| 177 | 27/02/2017 | 738 | MRU1600531 | ABDUL RUB SAIFI | TUITION FEE | office order 23.2.17 |
| 177 | 07/03/2017 | 739 | MRU00740 | SANJANA MALHOTRA | Fee Concession of MREI Student/Staff | VC(MRU) |
| 178 | 07/03/2017 | 740 | MRU00701 | ARIVANANTHI P M | Fee Concession of MREI Student/Staff | VC MRU |
| 178 | 07/03/2017 | 741 | MRU00702 | MONIKA | Fee Concession of MREI Student/Staff | VC MRU |
| 179 | 07/03/2017 | 742 | MRU00705 | MANISHA HOODA | Fee Concession of MREI Student/Staff | VC MRU |

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| 179 | 07/03/2017 | 743 | MRU00718 | YOGITA KHANNA | Fee Concession of MREI Student/Staff | VC MRU |
| 180 | 07/03/2017 | 744 | MRU00723 | NITIKA | Fee Concession of MREI Student/Staff | VC MRU |
| 180 | 07/03/2017 | 745 | MRU00732 | SUNITA JOSHI | Fee Concession of MREI Student/Staff | VC MRU |
| 181 | 07/03/2017 | 746 | MRU00731 | NEELU CHAUDHARY | Fee Concession of MREI Student/Staff | VC MRU |
| 181 | 07/03/2017 | 747 | MRU00750 | HANU PURI | Fee Concession of MREI Student/Staff | VC MRU |
| 182 | 07/03/2017 | 748 | MRU00752 | YASHIKA SHARMA | Fee Concession of MREI Student/Staff | VC MRU |
| 182 | 07/03/2017 | 749 | MRU00688 | Joginder Singh | Fee Concession of MREI Student/Staff | VC MRU |
| 183 | 07/03/2017 | 750 | MRU00695 | DEEPA K | Fee Concession of MREI Student/Staff | VC MRU |
| 183 | 07/03/2017 | 751 | MRU00720 | BHARTI JHA | Fee Concession of MREI Student/Staff | VC MRU |
| 184 | 07/03/2017 | 752 | MRU00745 | URMILA PILANIA | Fee Concession of MREI Student/Staff | VC MRU |
| 184 | 07/03/2017 | 753 | MRU00748 | MEENA CHAUDHARY | Fee Concession of MREI Student/Staff | VC MRU |
| 185 | 07/03/2017 | 754 | MRU00741 | PINKI SAGAR | Fee Concession of MREI Student/Staff | VC MRU |
| 185 | 25/03/2017 | 812 | MRU1601089 | Garima Sharma | Fee Concession- Special Aproval | 50% concession given by vp(ppc) |
| 186 | 25/03/2017 | 812 | MRU1601089 | Garima Sharma | Fee Concession- Special Aproval | 50% concession given by vp(ppc) |
| 186 | 25/03/2017 | 813 | MRCE13105532 | Akash Yadav | Fee Concession- Special Aproval | financial assist.approved by svp |
| 187 | 25/03/2017 | 813 | MRCE13105532 | Akash Yadav | Fee Concession- Special Aproval | financial assist.approved by svp |
| 187 | 31/03/2017 | 814 | MRCE13105619 | Rishabh Kadian | Tuition fee waive off 100% | TFW SCH 8TH SEM, APPROVED BY VP(PPC) |
| 188 | 31/03/2017 | 815 | MRCE13105592 | Shubham Gandhi | Tuition fee waive off 100% | TFW SCH 8TH SEM, APPROVED BY VP(PPC) |
| 188 | 31/03/2017 | 816 | MRCE13105588 | Ashutosh Kumar | Tuition fee waive off 100% | TFW SCH 8TH SEM, APPROVED BY VP(PPC) |
| 189 | 31/03/2017 | 817 | MRCE13105578 | Yash Prajapati | Tuition fee waive off 100% | TFW SCH 8TH SEM, APPROVED BY VP(PPC) |
| 189 | 31/03/2017 | 818 | MRCE13104930 | Rupesh Jha | Tuition fee waive off 100% | TFW SCH 8TH SEM, APPROVED BY VP(PPC) |
| 190 | 31/03/2017 | 819 | MRCE13105612 | Himanshu | Tuition fee waive off 100% | TFW SCH 8TH SEM, APPROVED BY VP(PPC) |
| 190 | 31/03/2017 | 820 | MRCE13105568 | Aakash Lohan | Tuition fee waive off 100% | TFW SCH 8TH SEM, APPROVED BY VP(PPC) |

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| 191 | 31/03/2017 | 821 | MRCE13105574 | Rahul Kaushik | Tuition fee waive off 100% | TFW SCH 8TH SEM, APPROVED BY VP(PPC) |
| 191 | 31/03/2017 | 822 | MRCE13105787 | Sawraj Singh | Tuition fee waive off 100% | TFW SCH 8TH SEM, APPROVED BY VP(PPC) |
| 192 | 31/03/2017 | 823 | MRCE13105555 | Jaidev Bajaj | Tuition fee waive off 100% | TFW SCH 8TH SEM, APPROVED BY VP(PPC) |
| 192 | 31/03/2017 | 824 | MRCE13105571 | Deepanshu | Tuition fee waive off 100% | TFW SCH 8TH SEM, APPROVED BY VP(PPC) |
| 193 | 31/03/2017 | 825 | MRCE13105698 | Akash Kumar | Tuition fee waive off 100% | TFW SCH 8TH SEM, APPROVED BY VP(PPC) |
| 193 | 31/03/2017 | 826 | MRCE13105567 | Rahul Goyal | Tuition fee waive off 100% | TFW SCH 8TH SEM, APPROVED BY VP(PPC) |
| 194 | 31/03/2017 | 827 | MRCE13105563 | Kalpna Kaushik | Tuition fee waive off 100% | TFW SCH 8TH SEM, APPROVED BY VP(PPC) |
| 194 | 31/03/2017 | 828 | MRCE13105615 | Amit Kumar | Tuition fee waive off 100% | TFW SCH 8TH SEM, APPROVED BY VP(PPC) |
| 195 | 31/03/2017 | 829 | MRCE13105362 | Vivek Pandey | Tuition fee waive off 100% | TFW SCH 8TH SEM, APPROVED BY VP(PPC) |
| 195 | 31/03/2017 | 830 | MRCE13105346 | Ankit Kumar | Tuition fee waive off 100% | TFW SCH 8TH SEM, APPROVED BY VP(PPC) |
| 196 | 31/03/2017 | 831 | MRCE13105719 | Mohit Rohilla | Tuition fee waive off 100% | TFW SCH 8TH SEM, APPROVED BY VP(PPC) |
| 196 | 31/03/2017 | 832 | MRCE13105771 | Anil | Tuition fee waive off 100% | TFW SCH 8TH SEM, APPROVED BY VP(PPC) |
| 197 | 31/03/2017 | 833 | MRCE13105705 | Keval Kumar | Tuition fee waive off 100% | TFW SCH 8TH SEM, APPROVED BY VP(PPC) |
| 197 | 31/03/2017 | 834 | MRCE14001161 | Shubham | Tuition fee waive off 100% | TFW SCH 6TH SEM, APPROVED BY VP(PPC) |
| 198 | 31/03/2017 | 835 | MRCE14001209 | Shubham Bhardwaj | Tuition fee waive off 100% | TFW SCH 6TH SEM, APPROVED BY VP(PPC) |
| 198 | 31/03/2017 | 836 | MRCE14000444 | Mohit Jhamb | Tuition fee waive off 100% | TFW SCH 6TH SEM, APPROVED BY VP(PPC) |
| 199 | 31/03/2017 | 837 | MRCE14001176 | Bhavika | Tuition fee waive off 100% | TFW SCH 6TH SEM, APPROVED BY VP(PPC) |
| 199 | 31/03/2017 | 838 | MRCE14001210 | Sahil Sehra | Tuition fee waive off 100% | TFW SCH 6TH SEM, APPROVED BY VP(PPC) |
| 200 | 31/03/2017 | 839 | MRCE14001338 | Shubham Goel | Tuition fee waive off 100% | TFW SCH 6TH SEM, APPROVED BY VP(PPC) |
| 200 | 31/03/2017 | 840 | MRCE14001208 | Sagar Duhan | Tuition fee waive off 100% | TFW SCH 6TH SEM, APPROVED BY VP(PPC) |
| 201 | 31/03/2017 | 841 | MRCE14001165 | Gaurav Tewatia | Tuition fee waive off 100% | TFW SCH 6TH SEM, APPROVED BY VP(PPC) |

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| 201 | 31/03/2017 | 842 | MRCE14001214 | Vishvender Chauhan | Tuition fee waive off 100% | TFW SCH 6TH SEM, APPROVED BY VP(PPC) |
| 202 | 31/03/2017 | 843 | MRCE14000632 | Akash Gupta | Tuition fee waive off 100% | TFW SCH 6TH SEM, APPROVED BY VP(PPC) |
| 202 | 31/03/2017 | 844 | MRCE14001310 | Pankaj Panghal | Tuition fee waive off 100% | TFW SCH 6TH SEM, APPROVED BY VP(PPC) |
| 203 | 31/03/2017 | 845 | MRCE14001180 | Samuel Thomas | Tuition fee waive off 100% | TFW SCH 6TH SEM, APPROVED BY VP(PPC) |
| 203 | 31/03/2017 | 846 | MRCE14000191 | Vaibhav Gupta | Tuition fee waive off 100% | TFW SCH 6TH SEM, APPROVED BY VP(PPC) |
| 204 | 31/03/2017 | 847 | MRCE14001177 | Shaiq Ahmed Khan | Tuition fee waive off 100% | TFW SCH 6TH SEM, APPROVED BY VP(PPC) |
| 204 | 31/03/2017 | 848 | MRCE14001196 | Sudhir Kumar Prasad | Tuition fee waive off 100% | TFW SCH 6TH SEM, APPROVED BY VP(PPC) |
| 205 | 31/03/2017 | 849 | MRCE14001197 | Shivam Jadon | Tuition fee waive off 100% | TFW SCH 6TH SEM, APPROVED BY VP(PPC) |
| 205 | 31/03/2017 | 850 | MRCE14001288 | Sagar Arora | Tuition fee waive off 100% | TFW SCH 6TH SEM, APPROVED BY VP(PPC) |
| 206 | 31/03/2017 | 851 | MRCE14001207 | Nitin Kumar Atri | Tuition fee waive off 100% | TFW SCH 6TH SEM, APPROVED BY VP(PPC) |
| 206 | 31/03/2017 | 852 | MRCE14001186 | Himanshu Jain | Tuition fee waive off 100% | TFW SCH 6TH SEM, APPROVED BY VP(PPC) |
| | | | | Total : | | |

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| | 24500 | 2016 |
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| | 12250 | 2016 |
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| | 49000 | 2016 |
| | 12250 | 2016 |
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| | 49000 | 2016 |
| | 13625 | 2016 |
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| | 27250 | 2016 |
| | 27250 | 2016 |
| | 54500 | 2016 |
| | 22500 | 2016 |

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| | 49000 | 2016 |
| | 13625 | 2016 |
| | 13625 | 2016 |
| | 13625 | 2016 |
| | 27250 | 2016 |
| | 27250 | 2016 |
| | 54500 | 2016 |
| | 22500 | 2016 |
| | 7250 | 2016 |
| | 14500 | 2016 |
| | 14500 | 2016 |
| | 29000 | 2016 |
| | 29000 | 2016 |

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| | 6750 | 2016 |
| | 24500 | 2016 |
| | 12250 | 2016 |
| | 7250 | 2016 |
| | 7250 | 2016 |
| | 12250 | 2016 |
| | 12250 | 2016 |
| concession given by svp 2016-17 | 10000 | 2013 |
| 20% concession in t.f. | 16800 | 2014 |
| 50% T.F.WAIVER,-2016-17 | 21000 | 2013 |
| 50% T.F. WAIVER, 2016-17 | 24500 | 2016 |
| 50% T.F. WAIVER, 2016-17 | 24500 | 2016 |
| PER YEAR FEE 60000/-REMAINIG CONCESSION | 44500 | 2013 |
| 25% T.F. WAIVER, 2016-17 | 10500 | 2013 |
| 25% T.F. WAIVER,2016-17 | 10500 | 2014 |
| 10000/-WAIVER,2016-17 | 10000 | 2016 |
| 10000/- WAIVER FOR 2016-17 | 10000 | 2015 |
| 50% t.f. waiver for 4 years | 49000 | 2016 |
| 20000/- waiver 2016-17 | 20000 | 2014 |
| 25000/-CONCESSION FOR 2016-17 | 25000 | 2016 |
| MREI STUDENT | 5000 | 2016 |
| FINANCIAL ASSISTANCE | 25000 | 2016 |
| merit cum mean sch 2016-17 | 58000 | 2015 |
| merit cum mean sch 2016-17 | 115000 | 2015 |
| merit cum mean sch 2016-17 | 115000 | 2015 |
| merit cum mean sch 2016-17 | 115000 | 2015 |
| merit cum mean sch 2016-17 | 115000 | 2015 |
| merit cum mean sch 2016-17 | 57500 | 2015 |
| merit cum mean sch 2016-17 | 57500 | 2015 |
| merit cum mean sch 2016-17 | 57500 | 2015 |
| merit cum mean sch 2016-17 | 28750 | 2015 |
| merit cum mean sch 2016-17 | 28750 | 2015 |
| merit sch 2016-17 | 115000 | 2015 |
| merit sch 2016-17 | 115000 | 2015 |
| merit sch 2016-17 | 115000 | 2015 |
| merit sch 2016-17 | 29000 | 2015 |
| merit sch 2016-17 | 14500 | 2015 |
| merit sch 2016-17 | 14500 | 2015 |
| merit sch 2016-17 | 14500 | 2015 |
| branch topper sch 2016-17 | 14375 | 2015 |
| merit cum mean sch 2015-16 & 2016-17 | 85000 | 2015 |

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| branch topper sch 2016-17 | 5750 | 2015 |
| branch topper sch 2016-17 | 14375 | 2015 |
| branch topper sch 2016-17 | 25000 | 2015 |
| branch topper sch 2016-17 | 14375 | 2015 |
| branch topper sch 2016-17 | 8625 | 2015 |
| branch topper sch 2016-17 | 5750 | 2015 |
| branch topper sch 2016-17 | -25000 | 2015 |
| branch topper sch Ist sem | 21250 | 2015 |
| branch topper sch 2nd sem | 21250 | 2015 |
| 50% t.f. concession, 3rd sem | 28750 | 2015 |
| 50% t.f. concession , 4th sem | 28750 | 2015 |
| SCH GIVEN FOR 2014-15 | 3300 | 2014 |
| SCH GIVEN FOR 2014-15 | 500 | 2014 |
| SCH GIVEN FOR 2014-15 | 6000 | 2014 |
| SCH GIVEN FOR 2014-15 | 46100 | 2014 |
| SCH GIVEN FOR 2015-16 | 13900 | 2014 |
| SCH GIVEN FOR 2015-16 | 60 | 2014 |
| SCH GIVEN FOR 2015-16 | 1500 | 2014 |
| SCH GIVEN FOR 2015-16 | 245 | 2014 |
| SCH GIVEN FOR 2015-16 | 30 | 2014 |
| SCH GIVEN FOR 2015-16 | 1000 | 2014 |
| SCH GIVEN FOR 2015-16 | 2000 | 2014 |
| SCH GIVEN FOR 2015-16 | 210 | 2014 |
| SCH GIVEN FOR 2015-16 | 180 | 2014 |
| SCH GIVEN FOR 2015-16 | 1000 | 2014 |
| SCH GIVEN FOR 2015-16 | 4500 | 2014 |
| SCH GIVEN FOR 2015-16 | 1000 | 2014 |
| SCH GIVEN FOR 2015-16 | 25775 | 2014 |
| SCH GIVEN FOR 2015-16 | 1000 | 2014 |
| SCH GIVEN FOR 2016-17 | 52400 | 2014 |
| 50% concession Ist sem | 22500 | 2016 |
| 50% concession 2nd sem | 22500 | 2016 |
| merit cum mean sch-Ist sem | 49000 | 2016 |
| merit cum mean sch-2nd sem | 49000 | 2016 |
| merit cum mean sch-Ist sem | 49000 | 2016 |
| merit cum mean sch-2nd sem | 49000 | 2016 |
| merit cum mean sch-Ist sem | 49000 | 2016 |
| merit cum mean sch-2nd sem | 49000 | 2016 |
| merit cum mean sch-Ist sem | 49000 | 2016 |
| merit cum mean sch-2nd sem | 49000 | 2016 |
| merit cum mean sch-Ist sem | 49000 | 2016 |
| merit cum mean sch-2nd sem | 49000 | 2016 |

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| merit cum mean sch-1st sem | 24500 | 2016 |
| merit cum mean sch-2nd sem | 24500 | 2016 |
| merit cum mean sch-1st sem | 24500 | 2016 |
| merit cum mean sch-2nd sem | 24500 | 2016 |
| merit cum mean sch-1st sem | 24500 | 2016 |
| merit cum mean sch-2nd sem | 24500 | 2016 |
| merit cum mean sch-1st sem | 24500 | 2016 |
| merit cum mean sch-2nd sem | 24500 | 2016 |
| merit cum mean sch-1st sem | 24500 | 2016 |
| merit cum mean sch-2nd sem | 24500 | 2016 |
| merit cum mean sch-1st sem | 14500 | 2016 |
| merit cum mean sch-2nd sem | 14500 | 2016 |
| merit cum mean sch-1st sem | 14500 | 2016 |
| merit cum mean sch-2ND sem | 14500 | 2016 |
| merit cum mean sch-1st sem | 24500 | 2016 |
| merit cum mean sch-2nd sem | 24500 | 2016 |
| merit cum mean sch-1st sem | 12250 | 2016 |
| merit cum mean sch-2nd sem | 12250 | 2016 |
| merit cum mean sch-1st sem | 12250 | 2016 |
| merit cum mean sch-2nd sem | 12250 | 2016 |
| merit cum mean sch-1st sem | 12250 | 2016 |
| merit cum mean sch-2nd sem | 12250 | 2016 |
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| merit cum mean sch-2nd sem | 12250 | 2016 |
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| merit cum mean sch-1st sem | 12250 | 2016 |
| merit cum mean sch-2nd sem | 12250 | 2016 |
| merit cum mean sch-1st sem | 7250 | 2016 |
| merit cum mean sch-2nd sem | 7250 | 2016 |
| merit cum mean sch-1st sem | 12250 | 2016 |
| merit cum mean sch-2nd sem | 12250 | 2016 |
| merit cum mean sch-1st sem | 12250 | 2016 |
| merit cum mean sch-2nd sem | 12250 | 2016 |
| CONCESSION FOR MREI STAFF(3RD SEM) | 10000 | 2015 |
| CONCESSION FOR MREI STAFF(3RD SEM) | 5000 | 2015 |
| CONCESSION FOR MREI STAFF(3RD SEM) | 5000 | 2015 |
| CONCESSION FOR MREI STAFF(3RD SEM) | 10000 | 2015 |

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| TFW SCH 6TH SEM, APPROVED BY VP(PPC) | 42000 | 2014 |
| TFW SCH 6TH SEM, APPROVED BY VP(PPC) | 42000 | 2014 |
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| TFW SCH 6TH SEM, APPROVED BY VP(PPC) | 42000 | 2014 |
| TFW SCH 6TH SEM, APPROVED BY VP(PPC) | 42000 | 2014 |
| | 10303077 | |

MAJOR RESEARCH TOPICS

Physics:

1. Atmospheric Physics (Ionosphere) Background density fluctuations present on solar atmosphere
2. Synthesis and Characterization of Multiferroic Materials (solid state physics)
3. P3HT:SWCNT:CdSe quantum dots hybrid solar cells by incorporating Carbon nanotubes
4. Computer simulation: Problems in condensed matter physics and molecule formation in interstellar medium.

Chemistry and Environment:

1. Heavy Metal Water pollution and its remediation,
2. Green Methods of Corrosion Inhibitors
3. Fabrication and Characterization of Organic Polymer (organic chemistry)

Mathematics:

1. Coding Theory: Exploring the possibility of partitioned product cyclic codes and their further studies. Submersion of light-like sub manifolds in to semi-Riemannian manifolds.
2. Differential Geometry Geometry of half-light like sub manifolds of contact manifolds
3. Natural convection MHD flow on a continuous moving inclined surface embedded in a non-Darcian high-porosity medium.
4. Improve or generalize some well-known polynomial inequalities in terms of derivatives and polar derivatives.
5. Improvement of the nature of zeroes of complex polynomials.

Computer Science & Engineering:

1. Automation of the major processes of the University: Registration & Enrollment System, Attendance Monitoring System, Time Table Generation & Adjustment System, Result & Examination System, Feedback Management System, Faculty Data Management System.
2. Area of speech processing soft computing.
3. Area of Soft Computing.
4. Area of Text Mining & Image Processing.
5. Area of Communication Networks

Mechanical Engineering:

1. Design Engineering.
2. Reliability Processes.
3. Industrial and Production Engineering.
4. Fluid Dynamics and Tribology.
5. Non-conventional Energy.

Electronics & Communication Engineering:

1. Design and Construction of Microwave Antenna: Design of CRLH EBG Meta-materials for X.
2. Ku Bands (antenna design)

Management & Commerce:

1. Service quality and e-service
2. Industrial social responsibility
3. Entrepreneurship and family Business
4. Green marketing
5. Corporate finance
6. Customer delight in hotel industry Quality of work life.

Publication Details

Faculty of Engineering

Department of Computer Science & Engineering

1. Rupesh Mishra, Meghna R Bhardwaj, A K Awasthi, Rafael Berlanga Llavori, Kannan Srinathan, "Automatic Rating for tourism services using Opinion mining", in Journal of Engineering and Technological Sciences, Bangkok, Thailand, 16-17 June 2017, ISSN: 2337-5779.
2. Hardeo Kumar Thakur, Anand Gupta, Bhavukjain and Ambika, "Mining Maximal Quasi Regular Patterns in Weighted Dynamic Networks", in International Journal of Information Technology and Computer Science (IJITCS), Vol. 9, No. 4, Pp 48-62, 2017, ISSN: 2074-9015.
3. Anand Gupta, Hardeo Kumar Thakur, Twinkle Gupta and Sanya Yadav , " Regular Pattern Mining (with Jitter) on Weighted Directed Dynamic Graphs", in Journal of Engineering Science and Technology, vol. 12, No 2, Pp 349-364, 2017 (Scopus Indexed), ISSN: 1823-4690.
4. Hardeo Kumar Thakur, Anand Gupta, Ayushi Bhardwaj and Devanshi Verma "Rumor Detection on Twitter Using a Supervised Machine Learning Framework", Vol. 8, Issue 3, in International Journal of Information Retrieval Research (IJIRR IGI Global), (In press), EISSN: 2155-6385.
5. Manvi Breja, Gunjan Chandwani, "Extracting features and content of images to model a data warehouse", in International Journal of Research, Vol 4, 2017, ISSN: 2348-6848, pp. 1379-1381. (UGC Listed Journals).
6. Manvi Breja, "A study of various steganography techniques for information security", in Journal of Computer, Internet and Network Security, July 2017.
7. Sunny Dagar, A Novel Approach to Multifactor Authentication for Mobile Devices using Jumbled Image Set", in International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), Vol.5, Issue-3, March 2017, pp. 3988-3994.
8. Narender, "Software Reliability Modelling: Comparative Analysis" in International Journal of Advanced Research in Computer Science and Software Engineering, Volume7, Issue 5, May 2017, ISSN: 2277128X, pp 514-517.
9. Neha Nandal, Jyoti Pruthi, " A review on Sentiment Analysis", in Souvenir National Seminar on Psychological perspectives of Digital Evolution and Revolution, sponsored by Directorate of Higher Education Haryana, organised by Department of Psychology Vaish College Bhiwani, Page no. 12, 16 Feb 2017.
10. Jayati Ralen, Sugandhi Midha, "A survey on Cloud Computing" in International Journal of Computer Science and Management studies, Volume 37, Issue 01, July 2017.
11. Veepu Uppal "Association Rule Mining Using Revolution R for Market Basket Analysis" June 2017 in IJIRT

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12. Ram Chatterjee, Samiksha Agarwal, "E-OPTIMA (Enhanced - OPinionated Tweet Implied Mining and Analysis) An Innovative Tool to Automate Credibility Analysis", in International Journal of Latest Trends in Engineering and Technology (IJLTET), ISSN: 2319-3778, pp. 153-161, Vol. 7, Issue 3, September, 2016.
13. Garima Dutt, Anup Singh Kushwaha, "Review of JSON DATA interchange Format" in INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, Volume 3 Issue 1 June 2016,ISSN : 2349 - 6002.
14. Garima Dutt, Anup Singh Kushwaha, "Implementation of compressed JSON for Cloud API calls" in INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY, Volume 3 Issue 2 July 2016,ISSN : 2349 - 6002.
15. Manu Krishan Bhardawaj, Brajesh Kumar, "Analysis Twitter data for Multiple languages by applying machine learning Techniques", in IJIRT, Volume 3, Issue-1 June 2016, Paper Id: 143700.
16. Gunjan Chandwani, "No SQL Datawarehouse",in International Journal of Innovative Research in Computer and Communication Engineering, Volume 4,Special Issue 4, August 2016.
17. Mamta Arora and Khushboo Arora "Hybrid Approach for Optimizing Test Suite Based on GA & ACO" in International Journal of Innovative Research In Technology (IJIRT), Volume 3, Issue 2, July 2016, ISSN: 2349-6002.
18. Manoj Kumar, Jyoti Gehlaut, Inderjeet Yadav, "Optimizing hiding data using GA" in International Journal of Civil, Mechanical & Production Engineering (IJCMPE) ISSN-2454-4272 July 2016.
19. Mrinal Pandey, S Taruna, "Towards the integration of multiple classifier pertaining to the Student's performance prediction", Published in Elsevier 2016 Journal in the special issue of Engineering & Material Sciences, 2213-0209.
20. Dr. Prinima, Dr. Jyoti Pruthi, "Evolution of Mobile Communication Network: from 1G to 5G" in International Journal of Innovative Research in Computer & Communication Engineering (IJRCCE, ISSN (online):2320-9801), Pg- 224-227, Vol. 4, Special Issue 4, August 2016.
21. Vandana, Neha Sewal, Shailja Gupta,"Test Path Generation using Cellular Automata", in International Journal of Engineering and Computer Science (IJECS), ISSN: 2319-7242, June 2016, Vol. 5, Issue 6, IF 4.31, pp. 16846-16854
22. Tariq Rashid, Sunny Dagar, "Steganography Techniques: A Review", in International Journal of Innovative Research in Technology (IJIRT), Volume 2, Issue 12, June 2016, pp. 387-391.
23. Sugandhi Midha, "Comparative study of Working on a Host Machine, Cloud Machine and Virtual Machine", in International Journal of Computer Engineering and Technology (IJCET), Volume 7, Issue 3, May-June 2016
24. Smriti Arya, Veepu Uppal "A Review on Association Rule Mining Using Revolutionary R" in International journal of Innovative Research in Computer and Communication Engineering vol4,4 August 2016.
25. Yashika Sharma, Neha Kumawat, "Comparative Analysis of Domain Specific Testing Techniques", in International Journal of Innovative Research in Technology, Volume 3, Issue 1, June 2016.
26. Parul Singla, Sargam Munjal," Hand written Character Recognition using VNP based Segmentation and Artificial Neural Network", in International Journal of Emerging Engineering Research and Technology ,Volume 4, Issue 6, June 2016, PP 38-46, ISSN:2349-4409
27. Manvi Breja, "Prediction of the Next Question for the Question Answering system", in International Journal of Informatics and communication technology, Vol 5, 2016, pp. 31-40.
28. Nidhi Garg, Sachin Lakra, "A Software Metric for the Activeness of a Local Area Network", in International Journal of Computer Applications, 156(10), December, 2016, 7-14(ISSN: 0975-8887).
29. Sachin Lakra, T.V. Prasad, G. Ramakrishna, Modelling and Simulating Response Generation by a Computer using a Rule-based Approach, in International Journal of Soft Computing, 11(5), 2016, pp. 299-304(ISSN:1816-9503).
30. Shailja Gupta,"Test Path Generation using cellular Automata" in International journal of Engineering and

**Publications in Conferences
2016 - 2017**

1. Manvi Breja, "Social Network analysis in Question Answering System", in International conference on Energy, Communication, Data Analytics and Soft Computing (IEEE compliant), 2017 (accepted).
2. Neha Nandal, "Computer Technology helpful for students with disabilities" in National Conference on Positive Attitudes and inclusive Space: Silver Bullets for the development of Persons with Disabilities(DIVYANG), sponsored by Indian Council of Medical Research, New Delhi, Feb 21 2017.
3. Reshu Singla & Dr. Jyoti Pruthi, "Comparative Analysis of VSEO: You tube & Daily Motion". published as a book chapter in "Technology Driven Skill Development for Indis's Growth".
4. Gaganjot Kaur & Sugandhi Midha, "Proposed Routing Protocol for Clouds", in IEEE 2nd International Conference on Telecommunication and Networks, TELNET-2017.
5. Sugandhi Midha & Gaganjot Kaur, "Cloud Deep Down - SWOT Analysis", in IEEE 2nd International Conference on Telecommunication and Networks, TELNET-2017.
6. Agha Imran Hussain, "An Improved Fuzzy – Control Based Energy Efficient Heterogeneous Wireless Sensor Network" has been published in SPIN 2016 in Amity University Noida. (Scopus Indexed)
7. Anup Singh Kushwaha, Gaganjot Kaur "Observation of Energy Efficiency in Green Cloud Simulator" presented for publication in the 6th INTERNATIONAL IEEE CONFERENCE, CONFLUENCE 2016, and Amity University Noida.
8. Sugandhi Midha, Gaganjot Kaur, "Preemptive Priority based job scheduling algorithm in cloud computing" in presented for publication in the 6th INTERNATIONAL IEEE CONFERENCE, CONFLUENCE 2016, and Amity University Noida.
9. Gaganjot Kaur, Garima Malik, "Hybrid Approach to Round Robin and Priority Based Scheduling Algorithm IN CLOUD SIM TOOL" in MANAV RACHNA UNIVERSITY, Faridabad, IIID, National Conference JUNE-2016.
10. Neha Nandal, Suman Panghal, "A Two- Stage Integrated Approach of DNA Cryptography", in Proceedings of International Conference on ICT, Business Media Singapore 2016.
11. Ritu Saluja, Dr. S.K Singh, Dr. A.K Chaturvedi, "Security Checking in ABPMN", in International Conference on Computing, Communication and Automation (ICCCA2016)", ISBN: 978-1-5090-1666-2/16.
12. Ritu Saluja, Dr. S.K Singh, Dr. A.K Chaturvedi, "Flexibility in ABPMN", in 3rd International Conference on Recent Development in Science & Engg. (REDSET2016)", 21-22 Oct 2016.

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1. Y.K. Awasthi, Himanshu Singh, Manish Sharma, S. Kumari, A K Verma, "CAD Based Circuits Model of Microstrip Line for THz Interconnect Technology", in IET Journal of Engineering, DOI:10.1049/joe.2017.0078, 2017.
2. M. Sharma, Y.K. Awasthi, Himanshu Singh, R. Kumar and S. Kumari, "Compact UWB antenna with high rejection triple band-notch characteristics for wireless applications," Wireless Personal Communications in (Springer), DOI-10.1007/s11277-017-4716-z, 2017.
3. M. Sharma, Y. K. Awasthi, Himanshu Singh, "Design of Compact Planar Triple Band-Notch Monopole Antenna for Ultra-wideband Applications," in Wireless Personal Communications (Springer), DOI-10.1007/s11277-017-4684-3, 2017.
4. Y. K. Awasthi, Manish Sharma, Himanshu Singh, "Planar High Rejection Dual Band-Notch UWB Antenna with X & Ku-bands Wireless Applications," in International Journal of Microwave and Wireless Technologies, doi:10.1017/S1759078717000393, 2017.
5. Y. K. Awasthi, Manish Sharma, Himanshu Singh, "Design of CPW-Fed High Rejection Triple Band-Notch UWB Antenna on Silicon with Diverse Wireless Applications," in Progress in Electromagnetics Research C (PIER C), Vol. 74, 19-30, 2017.

6. Ila Chaudhary, Garima Grover, Purna Kakkar "Designing of Optimized Combinational Circuits using Particle Swarm Optimization Algorithm," in *Advances in Computational Science and Technology*, Vol. 10, No. 8, pp. 2395–2410, 2017.
7. R. Kumar, Y. K. Awasthi, Manish Sharma, Himanshu Singh and S. Kumari, "Vase shape UWB antenna," in *Advanced Science Letters*, Vol. 22, No. 11, pp. 3714–3718, Nov. 2016.
8. Y. K. Awasthi, Manish Sharma, Himanshu Singh, Raj Kumar, Sarita K, "Design of Compact Flower Shape Double Band-Notch Monopole Antenna for UWB Applications," in *Journal of RF-Engineering and Telecommunications*, *Frequenz*, Vol. 70, No. 11-12, pp 499–506 Nov. 2016.
9. Y. K. Awasthi, Manish Sharma, Himanshu Singh, Raj Kumar, Sarita K, "Compact Printed High Rejection Triple Band-Notch UWB antenna with Multiple Wireless Applications," in *Elsevier International Journal of Engineering Science and Technology*, Vol. 19, No. 3, pp. 1626–1634 Sept. 2016.
10. Y. K. Awasthi, Manish Sharma, H. Singh, R. Kumar and S. Kumari, "CPW-fed Dual Notched-Band UWB antenna on Silicon Substrate," in *International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE)*, Vol. 4, Issue 4, August 2016.
11. Y. K. Awasthi, Manish Sharma, H. Singh, R. Kumar and S. Kumari, "CPW-Fed Micro-Size phase shifters on Silicon-Substrate," in *International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE)*, Vol. 4, Issue 4, August 2016.
12. Sunita Joshi, Yogita Gupta, Nitika, Y. K. Awasthi, Himanshu Singh, "Review on Tunable Terahertz GrapheneMetamaterial," in *International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE)*, Vol. 4, Issue 4, August 2016.
13. Gitika Gupta, TarunaKaswanSaini, Yogita Gupta, Anchal Bhatia, Sunita Joshi and Y. K. Awasthi, "Triple Band CSRR Based Antenna Using EBG for GSM, WCDMA and WiMAX," in *International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE)*, Vol. 4, Issue 4, August 2016.
14. Taruna Kaswan Saini, Gitika Gupta, Yogita Gupta, Anchal Bhatia, Sunita Joshi and Y. K. Awasthi, "Design of a Stepped UWB Antenna with X-band downlink notched Using EBG Structure," in *International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE)*, Vol. 4, Issue 4, August 2016.
15. Gitika Gupta, Taruna Kaswan Saini, Yogita Gupta, Anchal Bhatia, Sunita Joshi and Y. K. Awasthi, "Penta Band Antenna for Wireless Application Using EBG," in *International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE)*, Vol. 4, Issue 4, August 2016.
16. Yogita Gupta, Sunita Joshi, Nitika Munjal, Y. K. Awasthi, Himanshu Singh, "Progression of Meta materials: Brief Classification," in *International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE)*, Vol. 4, Issue 4, August 2016.
17. Bhanu Pratap Chaudhary, Shivani Singh, Surabhi Sharma, "Simulation Based Study on Different Types of Diaphragm for MEMS Based Pressure Sensors", in *International Journal of Innovative Research in Computer and Communication Engineering*, Vol. 4, Special Issue 4, August 2016.
18. Surabhi Sharma, R.K.Yadav, Bhanu Pratap Chaudhary, "Analytical Modeling of Dual Material Gate AlGaIn-GaN HEMTs", in *International Journal of Innovative Research in Computer and Communication Engineering*, Vol. 4, Special Issue 4, August 2016.
19. Surabhi Sharma, R.K.Yadav, Bhanu Pratap Chaudhary, "Analysis and Characterisation of AlGaIn-GaN HEMTs for Microwave power applications", in *International Journal of Innovative Research in Computer and Communication Engineering*, Vol. 4, Special Issue 4, August 2016.
20. Manisha Hooda, Niharika Thakur., "Review Paper: Evolution in Programmable logic Controllers", in *Journal of Innovative Research in Computer and Communication Engineering*, Vol.4, Special Issue 4, August 2016.
21. Niharika Thakur, Manisha Hooda., "A Review Paper on PLC and its applications in Robotics and Automation", in *International Journal of Innovative Research in Computer and Communication Engineering*, Vol.4, Special Issue 4, August 2016.
22. Bashrat Bahir, K. Deepa, Nitika, "Identification of an Individual Using ECG Signal", in *International Journal of Innovative Research in Computer and Communication Engineering*, Vol. 4, No. 4, August 2016.

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24. Nitika, Yogita Khanna, Sunita Joshi, Sukhmeet Kaur, "A Study on Application Specific Instruction Set Processor", in International Journal of Innovative Research in Computer and Communication Engineering, Vol. 4, No. 4, August 2016.
25. Richa Malhotra, Vishal Sharma, Vineeta Sharma, Nitika, "VLSI Implementation of High Precision Stepper Motor Using Verilog HDL", in International Journal of Innovative Research in Computer and Communication Engineering, Vol. 4, No. 4, August 2016
26. Sukhmeet Kaur, NitikaMunjaj, "Comparison of Dadda Multiplier with Wallace Multiplier based on its Implementation using VHDL", in International Journal of Innovative Research in Computer and Communication Engineering, Vol. 4, No. 4, August 2016.
27. Anand Singh, "Scheduling Exploiting Frequency and MultiUser Diversity in LTE Downlink Systems with Heterogeneous Mobilities", in International Journal of Innovative Research in Computer and Communication Engineering, Vol. 4, Special Issue 4, August 2016.
28. AnchalChugh, Pankaj Bhatia, "Performance Analysis of EBG Based 1-D Microstrip Filter Structure with Various Window Functions, Vol. 4, Special Issue 4, August 2016.

Conference 2016-2017

1. Anuj Kumar and Lokesh Bhardwaj, "Wise MAC Protocol for Wireless Sensor Network, An Energy Efficient Protocol", in National conference on emerging trends in electronics and telecommunication engineering, June 2016.
2. Gitika Gupta, Taruna Kaswan Saini, Yogita Gupta,Anchal Bhatia, Sunita Joshi, Y K Awasthi, "Penta Band Antenna for Wireless Application using EBG", in National Conference on Emerging Trends & Innovation in Electronics and Telecommunication Engineering, June 2016.
3. Lokesh Bhardwaj and Anuj Kumar, "Increasing convergence speed and optimizing LDPC Decoding by combining semi serial-C schedule and OSD-BP algorithm",in National conference on emerging trends in electronics and telecommunication engineering, June 2016

Department of Mechanical Engineering

1. Pramod Yadav, Ajay Kumar Agarwal and Pradeep Kumar Mouria, "*Reverse Engineering on Process Cycle Time in a Medium Scale Industry – Literature Review*", in International Journal of Research In Science & Engineering (IJRISE) [E-ISSN: 2394-8299, P-ISSN:2394-8280], Issue 1, Volume 3 (March, 2017), pp. 402-410.
2. Jitender Sharma & Ajay Kumar Agarwal, "*Literature Review on Optimization of Surface Roughness during Turning Operation*",in International Journal of Engineering Trends and Technology (IJRSET) [E-ISSN: 2319-8753, P-ISSN: 2347-6710] Issue 2, Volume 6 (February, 2017), pp. 2217-2424.
3. SaravananMuthiah, RC Singh, B D Pathak and Ajay Dhar "Mechanical properties of thermoelectric n-type magnesium silicide synthesized employing in situ spark plasma reaction sintering" Mater. Res. Express 4(2017)075507 18 July 2017
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5. Dr. M R Tyagi and Joginder Singh, "Analysis of Stresses and Deflections in Spur Gears", in International Journal of Mechanical Engineering and Technology (IJMET), Volume 8, Issue 4, April 2017, pp. 461–473 Article ID: IJMET_08_04_050, ISSN Print: 0976-6340 and ISSN Online: 0976-6359

6. Sujata Nayak, Kapil Narwal and Ruchi Chaudhary, "Mathematical Modelling and Experimental Study for Summer Performance of Earth Air Heat Exchanger Integrated with a Solar Green House", in IOSR Journal of Environmental Science, Toxicology and Food Technology, Vol. 10, Issue 9, Ver. III (Sep. 2016), pp. 75-86.
7. Smriti Mishra, Prashant Bhardwaj and Neha Bhadauria, "Optimal Availability Analysis of Brake Drum Manufacturing System by Using Markov Approach", in International Journal of Engineering Technology, Management and Applied Sciences, Vol. 4, Issue 8 (August 2016), pp. 147-154.
8. Prashant Bhardwaj, Smriti Mishra and Prashant Vashishtha, "Remaining Useful Life (RUL) Estimation of a Turning Tool Using Statistical Trend Exploration Technique", in International Journal of Research in Mechanical Engineering, Vol. 4, Issue 4 (July-August 2016), pp. 35-39.
9. Saravanan Muthiah, R.C. Singh, B.D. Pathak and Ajay Dhar, "Facile synthesis of higher manganese silicide employing spark plasma assisted reaction sintering with enhanced thermoelectric performance", in Scripta Materialia 119 (2016) pp. 60-64.

PAPERS PUBLISHED OF CONFERENCES

1. Ajay Kumar Agarwal & Dr. Rakesh Kumar, "*Ubiquitous Factory (U-Factory) - Ubiquitous and Cloud Manufacturing*", in National Conference on Emanations of Sustainable Technologies in Engineering, Science, Management and Education (ESTESME-2017) on 01 April, 2017 by Faculty of Mechanical Engineering at Manav Rachna University, Faridabad, Haryana, India.
2. Megin S. Mathew, John Reji, Vijay Sharma and Ajay Kumar Agarwal, "Electricity Free Air Conditioning", in National Conference on Emanations of Sustainable Technologies in Engineering, Science, Management and Education (ESTESME-2017) on 01 April, 2017 by Faculty of Mechanical Engineering at Manav Rachna University, Faridabad, Haryana, India.
3. Dilawri Chetan, Rishabh Sikka and Ajay Kumar Agarwal, "Advancements in the Safety Devices and Safety Technologies in Automobile Industries", in National Conference on Emanations of Sustainable Technologies in Engineering, Science, Management and Education (ESTESME-2017) on 01 April, 2017 by Faculty of Mechanical Engineering at Manav Rachna University, Faridabad, Haryana, India.
4. Sanjay Taneja, "Importance of balancing technology in engineering industry :in National Conference on Emanations of Sustainable Technologies in Engineering, Science, Management and Education (ESTESME-2017) on 01 April 2017 by Faculty of Mechanical Engineering at Manav Rachna University, Faridabad, Haryana, India
5. Sandeep Kumar, "Mechanical Properties of Bullet Resistance Glass using UTM", in National Conference on Emanations of Sustainable Technologies in Engineering, Science, Management and Education (ESTESME-2017) on 01 April, 2017 by Faculty of Mechanical Engineering at Manav Rachna University, Faridabad, Haryana, India.
6. Joginder Singh and Dr. M R Tyagi, "Stress and Deformation Analysis of Spur Gear", in National Conference on Emanations of Sustainable Technologies in Engineering, Science, Management and Education (ESTESME-2017) on 01 April, 2017 by Faculty of Mechanical Engineering at Manav Rachna University, Faridabad, Haryana, India.
7. Vishant, R.C. Chaturvedi, "*An Over View of Indian Power Sector*", in National Conference on Emanations of Sustainable Technologies in Engineering, Science, Management and Education (ESTESME-2017) on 01 April, 2017 by Faculty of Mechanical Engineering at Manav Rachna University, Faridabad, Haryana, India.
8. Mandeep Bhadana & Ajit Katiyar, "*Occupational Exposure of Welding Workers in DEE Piping Systems Ltd.*", in National Conference on Emanations of Sustainable Technologies in Engineering, Science, Management and Education (ESTESME-2017) on 01 April, 2017 by Faculty of Mechanical Engineering at Manav Rachna University, Faridabad, Haryana, India.
9. Kapil Narwal, Sujata Nayak and Rajiv Nandan Rai. Finite element formulation of a structure with piezoelectric material in National Conference on Emanations of Sustainable Technologies in Engineering, Science, Management and Education (ESTESME-2017) on 01 April, 2017 by Faculty of Mechanical Engineering at Manav Rachna University, Faridabad, Haryana, India.
10. Sujata Nayak, Kapil Narwal, Ruchi Chaudhary and Rajiv Nandan Rai. Performance evaluation of drying of medicinal plant by greenhouse dryer under forced mode condition in National Conference on Emanations

of Sustainable Technologies in Engineering, Science, Management and Education (ESTESME-2017) on 01 April, 2017 by Faculty of Mechanical Engineering at Manav Rachna University, Faridabad, Haryana, India.

11. Rajiv Nandan Rai, Sujata Nayak and Kapil Narwal. Reliability analysis using established methodologies in aviation Industry in National Conference on Emanations of Sustainable Technologies in Engineering, Science, Management and Education (ESTESME-2017) on 01 April, 2017 by Faculty of Mechanical Engineering at Manav Rachna University, Faridabad, Haryana, India.
12. Prashant Bhardwaj, Dr. Rajiv Nandan Rai, &Nikhil Arora (2017), "optimal availability analysis of drill- bit manufacturing system by using markov approach", in national conference on emanations of sustainable technologies in engineering, science, management and education (estesme-2017).
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14. Rajeev Nandan Rai, Gyanendra Kumar, Prashant Bharadwaj, J.P.Sharma & Garima Sharma, "mechanical properties of bullet resistance glass using utm", in national conference on emanations of sustainable technologies in engineering, science, management and education (estesme-2017)

Faculty of Management & Humanities

1. Gera R, Mittal, S and Batra, D.K. and Prasad, B, "Evaluating the effects of Service Quality, Customer Satisfaction and Service Value on Behavioral Intentions with Life Insurance customers in India", in International Journal of Service Science, Management, Engineering, and Technology (IJSSMET), Volume 8, Issue 3
2. Singhvi, S, Gera R, "Candy Confectioneries Pvt Limited (CCL)", Emerald Emerging Markets Case Studies, Vol 7, Issue 1
3. Gera R, Mittal, S and Batra, D.K. and Prasad, B, "Evaluating the effects of Service Quality, Customer Satisfaction and Service Value on Behavioral Intentions with Life Insurance customers in India", in International Journal of Service Science, Management, Engineering, and Technology (IJSSMET), Volume 8, Issue 3
4. Priyanka Srivastava/ B Agrawal/ Sachdeva Srivastava P, and Agrawal, B, (2017), Innovative strategies for the development of rural India through village cottage and agribusiness enterprises, Global Business and Economic Review, in Inderscience Publishers, Vol 19, No 3, pp: 276-298
5. Sachdeva, S and Agrawal, B (2017), "Doing Business in Emerging Economies," in Gian Jyoti E-Journal, Vol 7, Issue 1
6. Bindu Agrawal, "Case Study: An Effort of Faridabad Entrepreneurs for Energy Efficiency", in Prastuti, Journal of Management and Research, Vol 5, July 2016, (IBM, GLA Management Publication).
7. Published Research Paper on "Partition and Violence: Shifting Intercommunal Relations in Chaman Nahal's Azadi". The Criterion: An International Journal in English 8.2 (April 2017).
8. Published Research Paper on "Diversity of Characters and Their Relationship with Other Community in M J Akbar's Blood Brothers". Indian Scholar: An International Multidisciplinary E Journal 3.4 (June 2017).
9. Presented Paper in an International Seminar on 'Indianisms in English Language: With Special Reference to Goodbye Party to Miss Pushpa TS', Globalization and Linguistic Challenges.' Organised by SAVGACC, Indore, March 27-28, 2017.
10. Published Paper in IJELLH: An International Journal of English Language, Literature in Humanities on the topic "Nursery Rhymes: A Linkage between Society and Culture". V-IX (September 2017).

Faculty of Applied Sciences

Department of Physics

1. Haider Abbas, First-principles study of interaction of serine with nucleobases of DNA and RNA, in J. Biological Physics, vol. 43, pp. 105-111, 2017.(Impact factor: 1.394)

2. A. Bardhan, M. S. Khurana, B. M. Bahal, M Aggarwal, D. K. Sharma, Ion density and temperature variations at altitude of 500 Km during moderate seismic activity, in *Advances in Space research*, vol. 59, pp. 1023-1032, 2017. (Impact factor: 1.409)
3. Bindu Mangla, D. K. Sharma and Anupama Rajput, Ion density variation at upper ionosphere during thunderstorm, *Advances in Space research*, vol. 59, pp. 1189-1199, 2017. (Impact factor: 1.409)
4. M Aggarwal, D. K. Sharma, Seasonal characteristics of COSMIC measurements over Indian sub-continent during different phases of solar activity, in *Advances in Space Research*, Vol 59, 2279-2294 pp., 2017.
5. DK Sharma, Malini Aggarwal, Ananna Bardhan, Variability of ionospheric parameters during solar minimum and maximum activity and assessment of IRI model, in *Advances in Space Research*, Vol 60, 435-443 pp, 2017.
6. Malini Aggarwal, Ananna Bardhan, D. K. Sharma, Equinoctial asymmetry in ionosphere over Indian region during 2006-2013 using COSMIC measurements, in *Advances in Space Research*, Vol 60, 999-1014 pp. 2017
7. Jai Prakash, Structural, dielectric and magnetic studies of studies of multiferroics $\text{Bi}_{1-x}\text{Sr}_x\text{FeO}_3$ ($x = 0.1, 0.2, 0.3, 0.4$ and 0.5), *Solid State Sciences* (2017)
(Impact factor: 1.894) Available online at: <http://authors.elsevier.com/sd/article/S1293255817304107>
8. Malini Aggarwal, D K Sharma, Ananna Bardhan. Preliminary studies of ionospheric behaviour during seismic event of $M_w \sim 6.9$ at Qinghai station (geog. 33.19°N , 96.75°E). in *Journal of Indian Geophysical Union*, Special vol. 2, pp. 127-132, 2016. (Impact factor: 0.13)

Department of Mathematics

1. Rupesh Mishra, Meghna R Bhardwaj, A K Awasthi, Rafael Berlanga Llavori, Kannan Srinathan, "Automatic Rating for tourism services using Opinion mining", in *Journal of Engineering and Technological Sciences*, Bangkok, Thailand, 16-17 June 2017, ISSN: 2337-5779
2. Ruchi Gupta, Performance of Motorcycle Radiator at High Working Temperatures, in *International Journal of Engineering Research & Technology (IJERT)*, Volume. 6, Issue. 06, June – 2017".
3. S. Hans, D. Tripathi and Babita Tyagi, "Inequality Describing the Growth of Polynomials", in *Non-Linear Func. Anal. Appl.* Volume 21(1), 87-98. 2017.
4. S. Hans and D. Tripathi, "Some extension and generalization of a polynomial inequality" in *Tran. of NAS of Azerb.*, Volume 37 (1), 109–120, 2017.
5. A.K. Awasthi, Dwivedi A.P. "Two Griffith Cracks Opened by Heated Wedge in an Infinite Isotropic Medium. Vide latter no ACTA/137/M07 in *Acta Ciencia India*.
6. A.K. Awasthi, Dwivedi A.P. "A Griffith Crack at the Interface Opened by Body force in the Medium". Vide latter no ACTA/194/M07 in *Acta Ciencia India*.
7. Aparna Vyas and Joonki Palik, "Review of the Application of Wavelet Theory to Image Processing", in *IEIE Transactions on Smart Processing and Computing*, Accepted for Publication in Vol.5, No.6, (2016).
8. Arpit Sand, Aparna Vyas, A.K. Gupta "Graft copolymer based on (sodium alginate-g-acrylamide): Characterization and study of Water swelling capacity, metal ion sorption, flocculation and resistance to biodegradability in *International Journal of biological macromolecules* "ISSN 0141-8130 in press 2016 (Impact Factor: 3.2).
9. D. Tripathi and Sunil Hans, "An inequality for the derivative of a rational function with prescribed poles", in *Bull. Cal. Math. Soc.* Vol. 108 (1), 2016. 29-36.

Conference Presentation

2016-17

1. D. Tripathi, S. Hans and J.L. Arora, "On the Location of zeros of a Polynomial with Restricted coefficients" in *International Conference on Computational Mathematics & statistic*, January 24-26, 2017 (accepted for publication), organized by Department of mathematics, University of Putra, Malaysia along with Department of Mathematics and Statistic, Banasthali University, Jaipur, India.

Department of Chemistry

1. Arpit Sand, Aparna Vyas and A. K. Gupta, Graft copolymer based on (sodium alginate-g-acrylamide):

Characterization and study of Water swelling capacity, metal ion sorption, flocculation and resistance to biodegradability, in Intl. J. Biological Macromol., 90, 37-43, 2016.(Scopus Indexed)

CONFERENCES

2016-17

1. Meena Kapahi and Dr. Sarita Sachdeva, Curbing India's Grand Challenges of Sustainable Development with Sustainable Farming, in Young Researcher's South Asian Symposium on Sustainable Development Goals (SDGs) 'Sustainable Consumption and Production' organized by TERI University, UN Development Solutions Network South Asia Region and United nations Environment Programme, 6-8 October 2016, New Delhi.
2. Meena Kapahi and Dr. Sarita Sachdeva; oral presentation entitled "From Mycelia to Mushrooms: Nutritional and Medicinal Benefits for Health and Well-being in the "Third International Conference on Occupational & Environmental Health" organized by National Institute of Health and Family Welfare, Deptt. of Community Medicine, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi at National Institute of Health and Family Welfare, New Delhi on 23rd - 25th September, 2016.

Faculty of Education

1. Dr. Babita Parashar, Restructuring Pre-service Teacher Education in India: Some lessons from Finnish Teacher Education System. In University News ISSN / UGC Approval No.May (01-08), 2017
2. Ms. Seema Sharma, Curricular Reforms in Teacher Education Scholarly Research Journal for Interdisciplinary Studies 2278-8808/45269, May-June, 2017
3. Dr.Kiran Gupta, Health Education In Schools Edutrack 0972-9844, April-2017
4. Dr.Rashee,Importance of parental involvement in helping slow learners to cope up with the stress and strain of studies" in International Academic Journal of Research with ISSN No. 2348-7070 Vol3, Issue 1, April 2016, page no 35-38.
5. Dr.Rashee-Chapter published in Edited Book: "Total Quality Management in Teacher Education" in "Systemic Concerns of Teacher Education in 21st Century" with ISBN No. 978-93-86490-15-5 printed and published by Bansal Publishers, Chandigarh in 2017

Attended Conference/Workshops/seminars

Applied Sciences

1. **Prof. (Dr.) D. K. Sharma** attended a workshop on "**Climate Change & Regional Impact over South Asia**" organized by International Centre for Theoretical Physics (ICTP) and MoE, Govt. of India from 18-29 July, 2016.
2. **Prof. (Dr.) D. K. Sharma** attended a conference on "**URSI-RCRS 2017**" at National MST Radar Facility, Tirupati, A.P. from 1-4 March, 2017.
3. **Ms. Ananna Bardhan** attended 3rd regional conference on **Radio Science "UR51-RCRS 2017**at National Atmospheric Research Laboratory, Deptt. of Space, Tirupati from 28 Feb to 4th March, 2017.
4. **Prof.(Dr.) D. K. Sharma** attended a conference on "**IIRS User Interation Meet-2017**" (IUM-2017) at Indian Institute of Remote Sensing (IIRS), Dehradun on 23rd February, 2017
5. **Ms. Meena Kapahi** attended 3rd International Conference on "**Occupational & Environmental Health**" at National Institute of Health & Family Welfare, New Delhi from 22nd-25th Sept, 2016.
6. **Dr. Megha Mittal** attended **RSC workshop** on "**Green Chemistry & Water Treatment**" at Hotel Maidens, New Delhi organized by Hindu College & GCNC, New Delhi on 17th October, 2016.
7. **Dr. Megha Mittal** attended a conference on "**Innovations in Chemistry Laboratory Teaching**" in the Deptt. Of Chemistry at ZakirHussain Delhi College, University of Delhi on 8th-9th February, 2017.
8. **Ms. Meena Kapahi** attended 3rd International Conference on "**Occupational & Environmental Health**" at National Institute of Health & Family Welfare, New Delhi from 22nd-25th Sept., 2016.
9. **Ms. Meena Kapahi** attended a National Conference on "**New Horizons in Technology for Sustainable Energy & Environment**" (NHTSEE 2017) at YMCA, Faridabad on 9th March, 2017.
10. **Mr. Dinesh Tripathi** attended an International Conference on "**Computational Mathematics & Statistics**" organized by University of Putra, Malaysia & Banasthali University, Newai, Rajasthan from 24-26 January, 2017.
11. **Mr. Ramapati Maurya** attended a Conference on "**46th ISTE Annual National Convention & National Conference 2017**" at Gulzar Group of Institution, Ludhiana, and Punjab-141 401 on 10th-12th February, 2017.
12. **Dr. Ruchi Gupta** attended an International Conference on "**Mathematics & Applications**" at Ramjas College, Deptt. of Mathematics, Delhi University from 26-28 April, 2017.
13. **Dr. A. K. Awasthi, Mr. Advin Masih** attended a workshop on "**Mathematical Modelling& Computational Techniques** using Mathematics" at ZakirHussain, Delhi College, New Delhi

Education

Attended Conference/Workshops/seminars

1. **Dr. Neesha Sharma** attended and presented in National Seminar on "**Quality Control in Teacher Education towards a Better Future**" at Bhartiyaam College of Education, Faridabad on 18.12.2016
2. **Ms. Kamal Manwani**, attended and presented paper in Seminar on "**Quality Assurance, Enhancement & Sustainability in Teacher Education**" at Aravali College of Advanced Studies in Education on 7-8 Feb., 2017.
3. **Ms. Shreyasi** attended and presented paper in Seminar on "**Quality Assurance, Enhancement & Sustainability in Teacher Education**" at Aravali College of Advanced Studies in Education on 7-8 Feb., 2017.

4. **Ms. Shreyasi** Das attended and presented paper in **National Seminar on Emanations of Sustainable Technologies in Sciences, Engineering, Management and Education** at Manav Rachna University on 1st April 2017
5. **Ms. Seema Sharma** attended and presented paper in seminar on **"Quality Assurance, Enhancement & Sustainability in Teacher Education"** at Aravali College of Advanced Studies in Education on 7-8 Feb., 2017. Ms. Seema Sharma, Attended and presented paper in National Seminar on Emanations of Sustainable Technologies in Sciences, Engineering, Management and Education at Manav Rachna University on 1st April 2017
6. **Ms. Seema Sharma** attended and presented paper in National Seminar on **"Quality Control in Teacher Education towards a Better Future"** at Bhartiya College of Education, Faridabad on 18.12.2016.
7. **Ms. Ridhi Khanna** attended and presented Paper in **National Conference** on Emanations of Sustainable Technologies in Sciences, Engineering, Management and Education (ESTESME 2017) April 01, 2017
8. **Ms. Ridhi Khanna** attended two day workshop on **Research Methodologies and using SPSS**, 27-28th April, 2017 at KMC, DU, North Campus
9. **Dr. Rashee** attended and presented paper on **'Role of stake holders in improving educational standards'** in NAAC Sponsored National Seminar on 'Quality Assurance, Enhancement and Sustainability in Teacher education' on 7th-8th February'2017 at Aravali College of Advanced Studies in Education, Faridabad
10. **Dr. Rashee** attended and Presented paper on 'Cooperative Learning: A boon for teaching' in NAAC sponsored National Seminar on 'Constructivism: A new paradigm in teaching and learning' on 23rd -24th March'2017 at C R College of Education, Rohtak
11. **Dr. Rashee** attended National Seminar on **'Critical reflection of the pre-service teachers for the school internship under the revised guidelines of NCTE 2014** on 29th March'2017 at Amity University, Uttar Pradesh. Dr. Rashee attended FDP at Amity University, Noida on "Transforming education for transforming lives-Adopting a 5 E's Framework" from 29/05/17-02/06/17.
12. **Dr. Rashee** attended a professional development programme in Amity university, Noida on **"Amity academic structures and systems"** from 25-27th April'2017
13. **Dr. Jasmeet Kaur** presented a paper entitled **'Role of Social Media in Reshaping Education-A Study'** in international conference on 'Social Media and Governance' on 4th Feb 2017 organized by Manav Rachna International University.
14. **Dr. Jasmeet Kaur** presented a paper entitled **'Environmental Education for Sustainable Development - Tools and Resources'** in National Conference on Emanations of Sustainable Technologies in Sciences, Engineering, Management and Education (ESTESME 2017) on April 01, 2017, organized by Manav Rachna University.

Conducted/Organised

1. **Dr. Babita Parashar, Ms. Shreyasi, Ms. Seema Sharma, Ms. Ridhi Khanna & Dr. Jasmeet Kaur** conducted a workshop on **Classroom Management** for student teachers on 20th Oct. 2016 at MRU Campus.
2. Ms. Shreyasi, conducted a workshop on **computer skills-hot potato** for school teachers on 1st Oct. 2016 at MRU Campus.
3. **Ms. Ridhi Khanna** conducted a workshop on **Concept Mapping** for post graduates Economics teachers on 1st Oct. 2016 at MRU Campus.
4. **Dr. Rashee** conducted a workshop at Rattan Singh Girls College of Education, Faridabad on the topic **"Communication skill and Expository writing"** on 16th March'2017
5. **Dr. Jasmeet** conducted a workshop on **'Watching over the fence'**, conducted by Faculty of Education, for the counselors and special educators of MRIS, on 5th Nov'16.

Management and Humanity

Conference/FDP/Workshop Attended

1. **Dr Akhilesh Kr. Dwivedi** attended FDP on **Stress Management** in September 2016.
2. **Dr Akhilesh Kr. Dwivedi** presented paper in an **International Seminar on “Social Media: An Open Platform of Interpersonal Communication”**, ‘**Social Media and Governance: Prospects and Challenges**’. Organised by Department of Journalism and Mass Communication, MRIU, Faridabad. March 4, 2017.
3. **Dr. Akhilesh Kr. Dwivedi** Presented paper in a National Seminar on “**India in 21st Century: Role of Religion in Nation Building**”. Nation, Culture and Identity: Theory and Text in the 21st Century. Department of English, Pundit Sunderlal Sharma (Open) University, Bilaspur. February 11-12, 2017.
4. **Dr. Chavi** participated in National Conference on '**Languages and Literature: A Reflection of Contemporary Society**', organized by Christian Eminent College, Indore, December 17, 2016.
5. **Dr. Chavi** attended FDP on **SoftSkills: Bonding Mentors and Learners**.
6. **Dr. Chavi** attended a National Global Conference at Vigyan Bhawan, New Delhi, October 23, 2016.
7. **Dr. Bindu Agarawal** attended a conference on “**Master Business Coach Training Programme**” at Townsend, Tennessee, U.S.A. from 24th---28th April, 2017.
8. **Dr. Pragati Chauhan, Dr.Pooja Kapoor, Dr.Rajat Gera and, Dr.Bindu Aggarwal** participated in National Level business plan competition Lakshya 2017 on Feb 14 2016 at Amity University, Noida.
9. **Dr. Ms. Manpreet Kaur** attended workshop on “**Research Methodology and Scientific Writing**” (RMSW2017) from 15th March 2017 to 17th March 2017 at Netaji Subhas Institute of Technology, New Delhi attended workshop on "SDGs: Challenges in implementation and way forward for India. on Feb 22, 2016 at 9th Chevening India UNO Office, Lodhi Estate.
10. **Prof.Jaideep Singh, Dr.Pragati Chauhan, Dr.Pooja Kapoor’, Dr.Rajat Gera and Dr.Bindu Aggarwal** attended valedictory session of first ever "**Gloval Conference to strengthen Arbitration & Enforcement in India**" on 21-23 Oct 2016 at International Global Conference to strengthen Arbitration & Enforcement in India , Vigyan Bhawan, New Delhi.
11. **Prof.Jaideep Singh, Dr.Pragati Chauhan, Dr.Pooja Kapoor’, Dr.Rajat Gera** attended IMA International Seminar on Integrated Reporting by Ella Suponitskiy, Director -IMA (US) on Dec 12 2016 at IMA, Hotel Lalit New Delhi.
12. **Dr.Rajat Gera, Dr.Pooja Kapoor** attended a workshop on topic Building Business Leaders of the Future - Risk as a Differentiator on Nov 11 2016 at Global Risk Management Institute (GRMI).

Conducted/Organised

1. **Dr. Akhilesh Dwivedi** organised an Invited Lecture on "**Importance of English for Budding Scientists and Engineers**" by Prof Mukesh Ranjan

Conference/Workshop/FDP Attended

1. **Dr. Y K Awasthi, Ms. Yogita Gupta and Ms. Sunita Joshi.** attended 18th IIRS Outreach Programme on "**Basics of Remote Sensing, GIS & GNSS**" August 22nd –Nov. 26th, 2016 .
2. **Dr. Y K Awasthi, Ms. Yogita Gupta and Ms. Sunita Joshi** attended a workshop on “**RF/Microwave Design and Simulation**” conducted by National Instruments-AWR Design Environment, held at Royal Plaza, Delhi, India, 12th August 2016
3. Faculty members of ECE department attended a workshop on **IOT (Internet of Things)** on 29th April, 2017
4. **Mr. Bhanu Pratap Chaudhary and Anuj Kumar** along with 82 ECE students .attended 3 day workshop on “**Renewable Energy Sources, GIS & Remote Sensing, E Commerce & Android Applications**” with collaboration of National Power Training Institute. NATIONAL POWER TRAINING INSTITUTE (NPTI) 27-29 March, 2017

5. **Ms. Niharika Thakur** attended a short term Course on **“Artificial Neural Network and Fuzzy Logic through ICT”** during 24.04.2017 to 28.04.2017 by NITTTR, Chandigarh
6. **Ms. Manisha Hooda** attended a one week workshop on **LabView and Instrumentation** organized by ECE, MRIU in December 2016
7. **Mr. Vijay Kumar Gill** attended **“Embedded System Design and IoT”**- A practical Approach on 13 MAY 2017 at OXFORD Press INDIA, NOIDA
8. **Ajay Kumar Agarwal** attended an expert talk on **“Quality Improvement in Examination System of the University”** organized by Internal Quality Assurance Cell, MRU Faridabad on March 04, 2017.
9. **Mr. Piyush Mahendru and Mohd. Badrul.** attended a workshop on **“Design Workshop on Testing & Balancing –A Practical approach to commissioning of HVAC systems”** at Building Service Design & Energy Institute, Okhla, Phase-II, New Delhi held on 10th February, 2017.
10. **Dr. Sujata Nayak** attended National Conference on **Renewable Energy Sources for Sustainable Climate “(SOLARIS 2017)”** at BHU Varanasi, U.P. held on 7th-9th Feb., 2017.
11. **Ajay Kumar Agarwal** participated in a workshop on **“A Practical Introduction to Ergonomics & Technologies for the Future”** organized by Faculty of Mechanical Engg. held at ManavRachna University, Faridabad on Feb. 04, 2017.
12. **Ajay Kumar Agarwal** participated in one day workshop on **“Nature Inspired Optimization Techniques”** organized by Mathematics Department at Faculty of Engineering & Technology, MRIU, Faridabad in collaboration with knowledge partner “Soft Computing Research Society” on Jan. 21, 2017.
13. **Ajay Kumar Agarwal** participated in Faculty Development Program on **“Library Orientation”** held at ManavRachna University, Faridabad on Nov. 19, 2016.
14. **Ajay Kumar Agarwal** participated in the Faculty Development Program on **“Office Functioning & how to be more Productive at Work”** conducted by ManavRachna Academic Staff College at MREI, Faridabad on Oct. 22, 2016.
15. **Piyush Mahendru** attended a workshop on "Integrative Design Process" at ASHRAE Office, New Delhi on 3rd Sept., 2016
16. **Ajay Kumar Agarwal** participated in Educational Workshop on **“Building Business Leaders of the Future – Risk as a Differentiator”** organized by Faculty of Management & Humanities in collaboration with Global Risk Management Institute (GRMI) held at ManavRachna University, Faridabad on Nov. 11, 2016.
17. **Ajay Kumar Agarwal** participated in Awareness Program on **“Prime Minister’s Scheme - ZED (Zero Defect & Zero Effect Manufacturing)”** organized by MSME-DI Delhi at ManavRachna University, Faridabad on Nov. 08, 2016.
18. **Ruchi Choudhary, Md. Badrul and Mr. Gianender Kajal** attended a Workshop on "Trends in SMAW & GMAW" at IIT, New Delhi on 26th August, 2016.
19. **Raj Kiran Sinha, Jai Prakash Sharma, Mr. Kapil, Ms. Ruchi Choudhary, Md. Badrul and Mr. Gianender Kajal.** attended a short term course on **"Finite Element Method" & Workshop on “Smart Materials & Structures 2016”** at IIT, Mandi from 25-30 July, 2016.
20. **Dr. Sangita Banga and a team of ME Students** participated in the virtual round of National event **SAE BAJA 2016 at Chitkara University from 9-11 July, 2016.**
21. **Ms. Hanu Bhardwaj** attended Faculty Enabled Programme on **"Revised Foundation Program 5.0 - Python Modules"** conducted at Infosys Development Centre, Chandigarh from 14-16 December, 2016.
22. Ms. Hanu Bhardwaj, Dr. Jyoti Pruthi Attended FDP on **"TCS-ION"** at iQClass, Noida on 7th Sept, 2016.
23. **Ms. Hanu Bhardwaj Dr. Jyoti Pruthi** attended FDP on **"New Paradigms in Software Engineering"** organized by Accenture at Maharaja Surajmal Group of Institutions, New Delhi on 17.01.17.
24. **Ms. Hanu Bhardwaj, Prof. (Dr.) M. S. Khurana** attended **Principal’s meet of Institutions from Northern region at Infosys, Chandigarh Development Centre** on 24th March, 2017.
25. **Ms. Hanu Bhardwaj & Mr. Ankur Kumar Aggarwal** attended an event at **IBM Gurukul at Bangalore** from 6th to 8th June, 2017.
26. **Dr. Prinima Gupta and Mr. Rohit Tanwar** attended confererence on **"Winter School on Computational Intelligence in Pattern Recognition"** at NIT, Kurukshetra from 12-17 Dec., 2016.
27. **Mr. Rohit Tanwar** attended International Conference on **“Information & Communication Technology”** at Hotel Pride Plaza, Ahmedabad from 25th 26th March, 2017.
28. **Ms. Gaganjot Kaur** attended Faculty Enabled Programme (FEP) on **“Web Front Technologies”** at PEC University of Technology, Chandigarh from 1st-5th March, 2017

29. **Ms. Gaganjot Kaur, Ms. Nikita Taneja, Ms. Neelu Chaudhary, Mr. Ankur Kumar Aggarwal, Mr. Agha Imran Husain, Ms. Deepanshi, Ms. Gunjan, Ms. Jayati Ralen, Mr. Manoj Kumar, Ms. Manvi Breja, Ms. Meena Chaudhary, Ms. Ritu Saluja & Ms. Urmila** attended a workshop on **"Agile Methodology"** by Accenture at MRU on 10th March, 2017.
30. Ms. Mamta Arora attended a workshop on **"MedImg: Workshop on Medical Imaging Techniques, Post Processing and Clinical Applications (QIP Sponsored)"** organized by Centre for Biomedical Engineering, Indian Institute of Technology, Delhi from 14th-16th April, 2017.
31. **Ms. Priyanka Gupta** attended two Days National Workshop on **"Internet of Things"** on 7th and 8th June, 2017 at GD Goenka University Campus, Sohna Road.
32. **Ms. Manpreet Kaur** attended workshop on **"Research Methodology and Scientific Writing" (RMSW2017)** from 15th March 2017 to 17th March 2017 at Netaji Subhas Institute of Technology, New Delhi.
33. **Mr. Ankur Kumar Aggarwal and Ms. Veepu Uppal** attended a workshop on **"Android Fundamental Programming"** at NIIT Faridabad organized by Google India from 19th to 23rd September 2016.
34. **Mr. Ankur Kumar Aggarwal** attended a workshop on **"Progressive Web App"**, at **Google India**, Gurgaon from 11th to 13th April 2017.
35. **Mr. Ankur Kumar Aggarwal** attended a seminar on "Impact of Exponential Technologies on the Future of Human Species" at **30th TIFAC Foundation Day 2017 was organized at IIT, Delhi on 10th February 2017**, Seminar Hall, IIT Delhi.
36. **Mr. Anup Kushwaha, Ms. Bharti Jha, Mr. Manoj Kumar, Ms. Meena Chaudhary and Mr. Ram Chatterjee** attended a session on **"Library Orientation"** at MRU on 5th Nov and 19th Nov 2016.
37. **Mr. Anup Kushwaha, Ms. Jayati Ralen and Ms. Meena Chaudhary** attended FDP on **"Cloud Computing"** through ICT on 5th December and 9th December 2016 organised by NITTTR.
38. **Mr. Anup Kushwaha, Ms. Bharti Jha, Mr. Manoj Kumar, Ms. Meena Chaudhary and Mr. Ram Chatterjee** attended a session on **"Library Orientation"** at MRU on 5th Nov and 19th Nov 2016
39. **Mr. Anup Kushwaha, Ms. Jayati Ralen and Ms. Meena Chaudhary** attended FDP on **"Cloud Computing"** through ICT on 5th December and 9th December 2016 organised by NITTTR.
40. **Ms. Bharti Jha** attended FDP on **Microsoft SAKSHAM Program** on 2nd & 3rd Sept, 2016
41. Ms. Jayati Ralen attended a **short term course on "Artificial Neural Network and Fuzzy Logic through ICT"** during **24.04.2017 to 28.04.2017** organised for Faculty & Technical Staff of Technical Colleges in collaboration with NITTTR.
42. **Ms. Jayati Ralen** attended **R programming workshop for 1 month Conducted by R& D department of MRU**
43. **Ms. Manvi Breja, Ms. Meena Chaudhary and Ms. SARIKA** attended IQAC Lecture on **"Quality improvement in the Examination system of MRU"** at MRU on 4th March, 2017
44. **Ms. Manvi Breja and Mr. Ram Chatterjee** attended a workshop on **Python Programming** organised by Research Cluster of Computing at MRU on 21/01/2017.
45. **Ms. Meena Chaudhary** attended a seminar on **"Publication Paradigms for Technical Research"** by Research Cluster of Computing on 4th Feb, 2017 at MRU.
46. **Ms. Meena Chaudhary and Ms. Sarika, Ms. Veepu Uppal** attended FDP on **Time management** at MRU on 17/12/16
47. **Ms. Meena Chaudhary and Ms. Sarika** attended FDP on **"Stress Management"** organised by Manav Rachna Academic Staff College on 3rd Sep, 2016.
48. **Ms. Meena Chaudhary, Mr. Ram Chatterjee, Ms. SARIKA** attended a workshop on **R Programming** by Research Cluster of Computing on 4th March, 2017.
49. **Mr. Ram Chatterjee** attended a workshop on **Teaching Learning Process- A reflective approach**, conducted by MRU-IQAC on 18/03/2017.
50. **Mr. Ram Chatterjee** attended an **Expert Talk on IPR Basics & review** and use of SCOPUS (the largest abstract & citation database of peer-reviewed literature) conducted by Manav Rachna Academic Staff College on 18/03/2017.
51. **Mr. Ram Chatterjee** attended a National Seminar on **Climate Change & Disaster Management** at MREI in collaboration with The Centre for the Study of Administration of Relief (CSAR) on 18/06/2017.
52. **Ms. Ritu Saluja** attended International Conference on **"REDSET 2016"** at G.D. Goenka University on Oct, 2016.

Conducted/Organised

1. **Gianender Kajal** in collaboration with National Power Training Institute (NPTI) conducted three days Workshop on **Renewable Energy resources** at ManavRachna University from March 26-29, 2017.
2. **Gianender Kajal**. arranged a Lecture on **“Training on Diesel”** for B. Tech. students of Faculty of Mechanical Engg. at MRU Faridabad on Nov. 25, 2016.
3. **Gianender Kajal**. arranged a Lecture on **“Pipe Designing”** for B. Tech. students of Faculty of Mechanical Engg. at MRU Faridabad on Nov. 11, 2016.
4. **Ajay Kumar Agarwal and Gianender Kajal** organized and participated in one day workshop on **“3D Printing Technology”** at Faculty of Mechanical Engineering, MRU, Faridabad in collaboration with knowledge partner **“CARBONSLICE, Faridabad”** for students and faculty members of Mechanical Engineering on Feb. 18, 2017.
5. **Ajit Katiyar** **organized** a one day workshop on **“A Practical Introduction to Ergonomics & Technologies for the Future”** organized by Faculty of Mechanical Engg. at ManavRachna University, Faridabad on Feb. 04, 2017.
6. **Ms. Hanu Bhardwaj, Mr. Agha Imran Husain, Ms. Bharti Jha, Ms. Deepanshi, Ms. Gunjan, Ms. Manvi Breja and Ms. Ritu Saluja**, 385 persons including students and faculty members visited Infosys, Chandigarh on 28th July 2016 for conducting **Bridge Programme for B.Tech 1st year Students**.
7. **Ms. Hanu Bhardwaj** conducted Workshop on **“Agile Methodology”** by Accenture at MRU on 10th March, 2017.

Annexure 3.2.3 C

List of Patents in the name of faculty members (name highlighted) at MRU.

| S.No | Patent/ Copyright | Applicant | Year of Application | Granted |
|------|--|---|---------------------|---------|
| 1 | An Improved Process for preparing Star Shaped Branched Polyisoprene. Patent No. 230921 | S. Sinha Ray, A. K. Gupta , A. K. Mishra, A. K. Bhatnagar | 1999 | Yes |
| 2 | A Method for the Preparation of Bismuth Dialkyldithiophosphates Patent No. 186371 | A. K. Gupta , H. C. Bhatia, D. K. Tuli, A. H. Kumar, M. M. Rai and A. K. Bhatnagar | 1995 | Yes |
| 3 | A Process for Preparation of Bismuth Dialkyldithiocarbamates Patent No. 185221 | A. K. Gupta , H. C. Bhatia, D. K. Tuli, A. H. Kumar, M. M. Rai and A. K. Bhatnagar | 1995 | Yes |
| 4 | An improved Process for the preparation of Molybdenum Dialkyldithiocarbamates as Antifriction Extreme pressure, Antiwear and Antioxiant Additives for Lubricating oils. Patent No. 187075 | H. C. Bhatia, R. Sarin, A. K. Gupta , D. K. Tuli, A. K. Misra, M. M. Rai and A. K. Bhatnagar | 1993 | Yes |
| 5 | An improved Method for the Preparation of Antimony Dithiocarbamates for use in Lubricating Compositions Patent No. 187076 | D. K. Tuli, A. K. Gupta , R. Sarin, H. C. Bhatia, M. M. Rai and A. K. Bhatnagar | 1993 | Yes |
| 6 | An Improved Process for the Synthesis of Linear and Star Shaped Polyisoprene Patent No. 185887 | A. Kashyap, S. Sinha Ray, A. K. Gupta , A. K. Misra, A. K. Bhatnagar, D.K. Upadhayay and S Sivaram | 1992 | Yes |
| 7 | An Improved Process for Anionic Polymerization of Isoprene Patent No. 185887A | A. Kashyap, S. Sinha Ray, A. K. Gupta , A.K. Misra and A. K. Bhatnagar | 1992 | Yes |
| 8 | An Antifriction Composition comprising Soluble Molybdenum | R. Sarin, A. K. Gupta , A. K. Misra, E. Sayanna, S. P. | 1991 | Yes |

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|----|---|---|------|---------------|
| | Compound and Ashless Sulphur containing EP Additive Patent No. 172846 | Srivastava and A. K. Bhatnagar | | |
| 9 | A process for value addition of residual oil for Girth Gear Lubricating Grease. Application No. 3142/DEL/2012A | S. Kaul, P. Nagendramma, R.P.S. Bisht and M. R. Tyagi | 2014 | Yes |
| 10 | A novel multifunctional additive for aqueous lubricants and process thereof Application No. 729/DEL/ 2011 A | K. Chattarjee, M. R. Tyagi , S.S. Ray, Indu Shekhar and A. Bansal | 2012 | Yes |
| 11 | Bio degradable base stock as neat cutting oil Application No. 3483/DEL/2012 A | Savita Kaul, P. Nagendramma, G. D. Thakre, R. P. S. Bisht and M. R. Tyagi , | 2014 | Yes |
| 12 | A neat cutting oil (inactive and active type) using jojoba oil and sulphurised jojoba oil. Patent No. 185926 | R.P.S. Bisht, M. R. Tyagi , V.K. Bhatia and P.C. Nautiyal. | 2001 | Yes |
| 13 | A soluble EP cutting oil using jojoba oil and sulphurised jojoba oil. Patent No. 188253 | M.R. Tyagi , R.P.S. Bisht, V.K. Bhatia and P.C. Nautiyal | 2003 | Yes |
| 14 | Process for preparation of novel multifunctional additive for aqueous lubricants Patent No. US896926882 | A.K. Chattarjee, M.R.Tyagi , S.S. Ray, Indu Shekhar and A. Bansal | 2015 | Yes |
| 15 | Multi Beam Interference Using Modified Aspherical cone Lens No. 2369/DEL/2014. | Dr. Beni Madhaw Bahal and Dr. Dinesh Kumar Sharma | 2014 | Under process |
| 16 | Method and System for summarizing a document US20160299881-A1 | Anand Gupta, Shachar Mirkin & Manpreet Kaur . | 2016 | Yes |

Annexure 6 .0. A

Memorandum of Understanding (MOU) DETAILS

MOU

| Date | Institute | Country |
|-------------|---|----------------|
| 28.07.16 | AIS St. Helens | New Zealand |
| 24.02.12 | Curtin University | Australia |
| 05.07.12 | Leeds Metropolitan University | UK |
| 18.06.12 | Universiti Pendidikan Sultan Idris | Malaysia |
| 05.10.12 | University of North America | USA |
| 16.11.12 | TSUKBA University | Japan |
| 08.01.14 | Hiram College | USA |
| 25.03.14 | Missouri State University | USA |
| 30.12.13 | Bangladesh Institute of Sports & Sciences | Bangladesh |
| 12.05.14 | Edinburg Napier university | UK |
| 7.3.2014 | Royal Agriculture University | UK |
| 20.04.16 | Association of International Accountants | |
| 12.05.16 | Lahti University of Applied Sciences | Finland |
| 14.06.16 | Autonomous University of Sinaloa | Mexico |
| 22.06.16 | Korean Culture Centre | Delhi |
| 18.07.16 | Hasan Kakyoncu University | Turkey |
| 21.07.16 | Instanbul Commerce University | Istanbul |
| 25.07.16 | Gerlev P.E.&Sports Academy | Denmark |

| | | |
|------------|--|---------------|
| 04.08.16 | Istanbul Kultur University | Istanbul |
| 29.07.16 | Our Lady of the Lake University | USA |
| 15.07.16 | Purdue University | USA |
| 06.09.2016 | Antioquia School of Engineering (EIA) | Columbia, USA |
| 06.09.2016 | Abdullah Gul University | Turkey |
| 12.09.2016 | Binawan Institute of Health Sciences | Indonesia |
| 16.09.2016 | University of Pitesti | Romania |
| 04.10.2016 | College Sevigne | Paris |
| 29.09.2016 | University College of Northern Denmark (UCN) | Denmark |
| 21.11.2016 | Istanbul Aydin University | Turkey |
| 24.11.2016 | President University | Indonesia |
| 14.12.2016 | Algonquin College | Canada |
| 23.12.2016 | Vinh University | Vietnam |
| 09.01.2017 | University of Regina | Canada |
| 20.01.2017 | University Of Malaya, Malaysia | Malaysia |
| 30.01.2017 | University of Mauratious | Mauratious |
| 20.01.2017 | T.C. Beykent University | Turkey |
| 20.02.2017 | Syrian Private University | Syria |
| 01.05.2017 | Asia University | Taiwan |
| 10.05.2017 | Akamai University | USA |
| 18.06.2017 | Al Mustaqbal University College | Babylon, Iraq |

| | | |
|------------|-----------------------------------|-----------|
| 19.06.2017 | Karabuk University | Turkey |
| 17.07.2017 | The University of Nottingham | UK, China |
| 25.07.2017 | Auburn University of Montgomery | USA |
| 21.08.2017 | University of the West of England | UK |
| 16.09.2017 | Universidade Lusofona | Portugal |
| 07.04.2017 | The University of Wisconsin | USA |