



**MANAV RACHNA INTERNATIONAL UNIVERSITY**  
(Deemed to be University)

**Admission Brochure AY 2017-18**

**Details of List of Programmes offered**

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**MANAV RACHNA INTERNATIONAL UNIVERSITY**

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

(NAAC Accredited 'A' Grade)

Administrative Headquarters: 5E/1-A, Bungalow Plot, N.I.T. Faridabad, Phone: +91-129-4198600 (30 lines)

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# MANAV RACHNA INTERNATIONAL UNIVERSITY

'DEEMED-TO-BE-UNIVERSITY' UNDER SECTION 3 OF THE UGC ACT, 1956  
NAAC ACCREDITED 'A' GRADE UNIVERSITY



[www.manavrachna.edu.in](http://www.manavrachna.edu.in)

ACADEMIC SESSION 2017- 18

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# We are people who want to learn, discover, think, and do

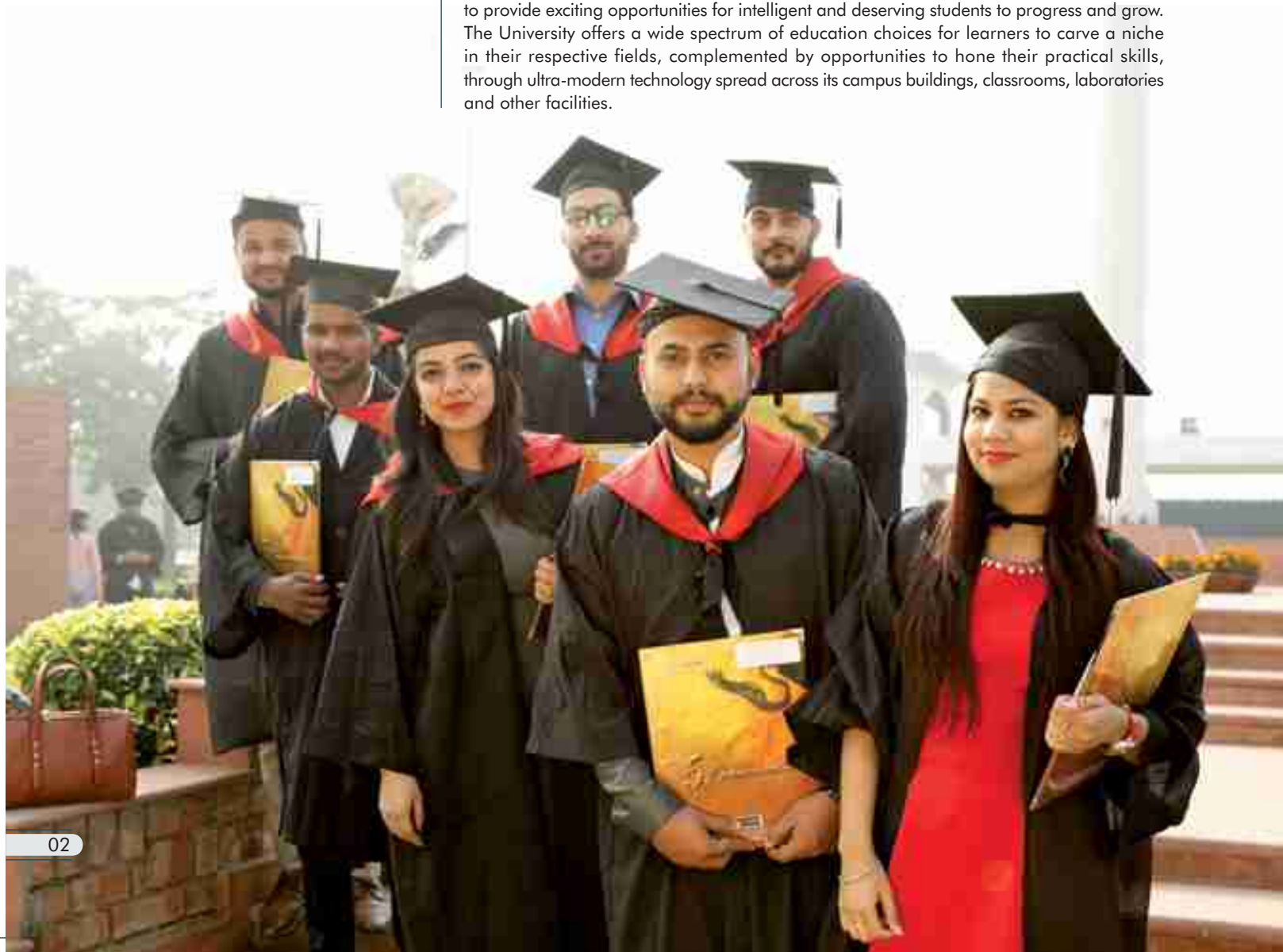
We push the limits of what can be achieved and develop ideas that can make a difference in the world.

For more than 20 years, our community has been more than a collection of bright minds, MRIU has attracted people with an ambitious spirit. We imagine what the future can be, and work together to realize it. This is our spirit. A bold, enduring spirit of initiative.

MRIU is a comprehensive, student-focused university, with students enrolled in a broad range of undergraduate and postgraduate programmes. We have strong student-faculty relationships, exceptional award-winning faculty and innovative staff. It creates a unifying atmosphere of excellence across all of our faculties to encourage lifelong learning, teaching, research and discovery.

Our goal is to move each individual forward as a well-rounded, lifelong learner and a good global citizen. To achieve this, emphasis is placed not just on academic achievement, but also on extracurricular involvement. Our vibrant student life provides something for everybody, from sports to concerts, and various international trips in between. Students are also involved in many different types of social activities, including community development team building, and networking events.

MRIU has joined with a panel of globally renowned education and corporate institutions to provide exciting opportunities for intelligent and deserving students to progress and grow. The University offers a wide spectrum of education choices for learners to carve a niche in their respective fields, complemented by opportunities to hone their practical skills, through ultra-modern technology spread across its campus buildings, classrooms, laboratories and other facilities.





## VICE CHANCELLOR'S MESSAGE

Good education is a stepping stone for high flying careers and only quality institutes of higher education and learning can really contribute a lot and match with global standards in quality. Further, in the background of an emerging economy in India with an impressive growth rate, it is again quality human resource development which can sustain the growth rate through vibrant and performing institutions of learning. In the array of quality institutions, Manav Rachna Educational Institutions have grown to become one of the best educational entities in the country and have built a reputation for excellence in professional education and research. MRIU is the flag ship institution of Manav Rachna Group of Institutions, which are imparting inclusive and quality education in the country. Our objective is not only to provide quality education in contemporary domains but we also strive to make students independent in thought and action and also to inculcate moral values in them.

Manav Rachna International University offers education from graduate to doctoral level with a range of courses that are in tune with today's market dynamics. The diversity of our programmes is evident in the sheer spectrum of courses on offer -

Engineering, Management, Health and Applied Sciences, Computer Education, Architecture, Commerce and Humanities, Hospitality and Hotel Administration, Media, Design etc. Manav Rachna International University, a NAAC accredited 'A' Grade University, has been ranked amongst 30 top private universities in careers 360 survey 2015. As another major milestone, MRIU has been recently bestowed with the QS 5 star ratings in teaching, facilities & Social Responsibility and inclusiveness catapulting it among the premier institutions across the globe.

The University has world class academic and administrative resources in an eco-friendly green campus which provides great ambience for academic pursuits. To meet international challenges, the curriculum has kept pace with global standards to provide excellent domain knowledge and conducive atmosphere for high end research activities. To groom faculty and students and to support their research and innovative programmes, positive policies are in place. There is a strong connect between the Campus and Industry through policy framework of sharing all research labs, workshops and ICT resources to boost application oriented research activities.

The University has been able to establish long term relationships and networking with reputed international institutions/ Universities for students and faculty exchange, joint research projects, twinning projects, value addition programmes, international training of students and faculty and this has greatly helped our students into international reckoning and placement. The University also enjoys a rich legacy of large number of filed patents, thousands of published research papers in international/ national journals of repute and winning prestigious awards in competitions connected with research and development at national and international level. In the domain of training and placement, the Campus has more than 450 reputed MNCs and Indian Corporates who have been regularly patronizing our students on training and placement during all these years. Across an eventful journey of 20 years, the Campus has a huge alumni base who have been walking the corridors of knowledge.

I extend a hearty welcome to all the aspiring students seeking admissions during academic year 2017-18 to the dynamic world of MRIU for a very eventful and bright innings in their professional careers.

**Dr N.C. Wadhwa, IAS (Retd)**  
Vice Chancellor, (MRIU)



## KEY PERSONS

Name & Qualification	Designation	Special Interests & Broad Duties	Previous Employment
 Dr. N.C. Wadhwa, IAS (Retd.), M.A. (Public Administration), Ph.D	Vice-Chancellor	Educational Planning & Administration. Chief Executive Officer of the University.	IAS(Haryana Cadre), Labour Commissioner cum Special Secretary to Government of Haryana, Dean / Director Pt. B.D. Sharma, PGIMS, Rohtak, Vice Chancellor, MDU Rohtak.
 Dr. Naresh Grover B.Sc. Engg, M.Tech, Ph.D	Dean- Academics, Dean Faculty of Computer Applications	Teaching, Research, Academic Planning and Coordination, Educational Administration	Department of Technical Education, Haryana
 Dr. M. K. Soni, B.Sc. Engg, M.Sc. Engg, Ph.D	Executive Director & Dean- Faculty of Engineering & Technology	Research & Development, Consultancy, Educational Administration, Teaching	Former Director, CRSCE, Murthal, Professor, HOD and Dean- NIT, Kurukshetra
 Dr. G.L. Khanna, M.Sc. (Physiology), Ph.D	Dean-Faculty of Applied Sciences	Research and Consultancy in High performance Sports, Nutrition and Physiology, Educational Administration	Former Head Faculty of Sports Sciences Sports Authority of India, Assoc Prof University of Science Malaysia Technical Expert member (Sports Sciences) Commonwealth Games Govt of India
 Dr. Chavi Sharma, MA (Psychology), Ph.D, CJMC	Dean-Faculty of Management Studies	Teaching, Research and Extension in Management Education with specialization in Human Psychology and Org. Behaviour	Professor, Amity University and Associate Fellow, CSDS
 Dr. S.K. Bedi MA (Eco.), M.Com, Ph.D (International Economics)	Dean - Faculty of Commerce & Business Studies and Director - IQAC	Quality Assurance, International Business, Managerial Economics Continuing Education Programmes, Monitoring Education quality, Doctoral Guidance.	Dean APJ School of Management New Delhi, Professor & Dean Administration IMT Ghaziabad, Professor & Director, Institute of Management Studies and Research MDU Rohtak
 Dr. Neemo Dhar B.Sc, B.A (English Lit), MA (Public Admn), Ph.D (J&MC)	Professor & Dean Faculty of Media Studies and Humanities	Strategic Communications Plans, Media Relations, Internal communications, PR Management	Advisor, Delhi Development Authority
 Dr. Anjali Krishan Sharma, B.Arch, Ph.D (Environmental Planning Department)	Dean -Faculty of Planning & Architecture	Architecture Research & Planning	Director, Amity School of Architecture & Planning
 Brig. S.N. Setia (Retd) M.Tech (Telecomn), MMS, PGD HRM, PGD FM, Army Technical Staff Course, National Defence College Course	ED- MRASC, Director Admissions & Director IT	Telecommunications, All Management Subjects	Military College of Telecomm Engg. Professor & Head IT Dept. at College of Defence Management, Dean, Faridabad Institute of Technology, Faridabad
 Dr. B.S. Gill, B.Sc. (Engg), Ph.D	Executive Director MRIIC	Heat Transfer, Pinch Technology/ Process Integration, Combustion, Fired Heaters, Fluidized Bed Boilers, Advanced Controls, Computational Fluid Dynamics and Project Management	Central Mechanical Engineering Research Institute, Durgapur, Bharat Heavy Electrical Ltd., Engineers India Ltd., New Delhi.
 Dr. Pradeep Varshney, M.Sc., Ph.D	Professor & Director MRIIC,	Composite Polymer Electrolytes for Electrochemical Batteries, Biodiesel Purification, Solar Stills	Lecturer, Delhi College of Engg, Research Associate, National Physical Laboratory, Post, Doctoral Fellow, National Taiwan University and LG-Elite Company, South Korea, Associate Professor, School of Engg & Applied Sciences, Delhi

## KEY PERSONS

Name & Qualification	Designation	Special Interests & Broad Duties	Previous Employment
 Dr. Vijay Aggarwal, B.Tech (Hons.) in Mechanical & Industrial Engg. IIT Bombay, M.S in Operation Research, Ph.D (Operation Research)	Director-Faculty of Management Studies	Operation Research, Decision Modeling & Game Theory, Business Analytics	Professor, Washington State University USA, Founder Faculty & Professor IIM, Lucknow, Professor, MDI Gurgaon, DG-Consultancy Development Centre
 Dr. R.K. Malhotra, Ph.D (IIT Delhi)	Adjunct Professor	R & D, renewable energy	Former Chairman & Full-time Director at Indian Oil Corporation, R & D Centre
 Dr. Jayant Kumar Ambast M.Sc (Phy), PGDIM (Kolkata)	Industry Chair Professor, FMS, MRIU	Strategy and Planning, Operations and Implementation	Perfetti Van melle Group, CadburyIndia, Glaxo India, Wockhardt Ltd
 Prof. Ar. Jatinder Saigal, B.Arch (Gold Medalist) FIIA, FIV, FICC, FICA. Master (Sust. Development) Ph.D. (Essentials for Sust. Dev.)	Chair Professor of Planning and Architecture Director Projects	Research Work in demystifying Vaastu. Principles of Sustainability and Energy Efficiency.	46 years of Professional & Academic Experience in Architecture, Arbitration and Valuation. Founder Chairman of IIA, Haryana Chapter. Chairman, Board of Examinations IIA
 Dr. (Prof.) I.K. Kilam, Ph.D, M.A.- Economics, M.Sc.- Applied Physics, MBA, PGDPR, CAIIB (I)	Dean Students Welfare, Director RMR 107.8	Human Resource Development, Communication Skills, Personality Development	AIR, Punjab National Bank
 Dr. Sarita Sachdeva, M.Sc., M.Phil, Ph.D	Professor & Dean-Research	Bioremediation, Biofuels and Environmental Biotechnology as research areas. Teaching, Research with Social Outreach	Researcher, MDU Rohtak
 Mr. KC Dadhwal, MA,	Controller of Examination, MDU Rohtak, Registrar MDU, Finance Officer, MDU	Administration	Controller of Examination, MDU Rohtak
 Mr. R. K Arora, BA LLB, M.Phil (Political Science)	Registrar	Administration	Registrar-Deenbandhu Chhotu Ram University of Science & Technology, Murthal, Controller of Examinations, Guru Jambheshwar University of Science & Technology, Hisar
 Wg Cdr P. K. Sinha (Retd) B.Tech, M.Tech	Director Corporate Resource Centre	Industrial Engg	Indian Airforce, Dean, Faridabad Institute of Technology, Faridabad, SAIPEM Sp. A., Millan Italy / Shell, Dubai
 Mr. Sarkar Talwar, Graduation in sports, Level 4 Coach	Director -Sports	Sports Management	Dy Director Haryana Govt., Chief coach of the Indian Jr. Cricket team (1995-2003)

# KEY PERSONS

Name & Qualification	Designation	Special Interests & Broad Duties	Previous Employment
 Col. Girish Kumar Sharma, B.A., M. Sc. (Defence Studies), Business Administration MDI	Director-Planning & Coordination	Business Development	Indian Army, United Nations, HealthCare, Education & Global Alliances
 Mr. Atul Kalra, PG in Advt. & PR	Director-Administration	Administration, Operations, Branding, Events	Previously employment as Director operations - Techplast India Pvt Ltd
 Mr. Sudhir Verma MBA (Marketing)	Director Marketing & Branding	Marketing & Strategy	Hindustan Times, Spicejet Ltd.
 Ms. Shailja Naqvi, M.A (Mass Communication)	Deputy Director - RMR	Multimedia Planning, Event Management, Radio Programming & Media Teaching	India TV, Network 24, Synergy, Y Media Niti Digital
 Ms. Gauri Bhasin, MBA, M.Com	Head -Career Development Centre & MRCFL	Training MREI Students on Aptitude, Personality development and English	GE Capital, Dell, Franklin Templeton, Microsoft
 Dr. R.S. Tarnacha B.Sc. Engg. (Aero), M.E.-Aero (IISc Bangalore), Ph.D (IIT Delhi). MBA-HRM	Professor & HOD, Aeronautical Engg.	Fluid Flows, Computational Fluid Dynamics Aerodynamics	Availed pre-mature retirement from the Indian Air Force as WgCdr after having worked on I and II line servicing of transport & fighter aircrafts for 25 years. Director, Amity Institute of Aerospace Engineering, Amity University, Noida.
 Dr. Devendra Vashisht, B.Tech, M.Tech, Ph.D, MBA	Professor & HOD, Automobile Engg.	Internal Combustion Engines, Alternative fuels	YMCA Institute of Engineering Faridabad
 Dr. Abhilasha Shourie M.Sc., Ph.D	Associate Professor & Head Department of Biotechnology	Phytochemistry	Lecturer, Saraswati College, Palwal
 Dr. Sadiqa Abbas B.Tech., M.Tech., Ph.D Jamia Milia, Delhi.	Associate Professor & HOD, Civil Engineering.	Structural Engineering., Construction Technology	Sr. Environmental Engineer-Tetra Tech India Ltd., Research Scientist-Deptt of Civil Engg. Jamia Milia Islamia, Astd., Professor Galgotias University
 Dr. Dipali Bansal, B.Tech, M.Tech, Ph.D	Professor & HOD, Electronics & Communication Engineering	Digital Signal Processing, Bio signal Acquisition & Automated Analysis	Grapco Industries Ltd., Shriram Bearings Ltd. Apeejay College of Engineering
 Dr. Suresh Kumar Ph.D, M. Tech., BE	Professor and HOD, Computer Science & Engg.	Data Mining, Mobile Ad hoc Networks.	Engineer CMC Ltd, New Delhi



## KEY PERSONS

Name & Qualification	Designation	Special Interests & Broad Duties	Previous Employment
 <p>Dr. Anita Khosla, B.Tech, M.Tech, Ph.D</p>	Associate Professor & HOD, Electrical & Electronics Engg.	Control System, Power Electronics Production Engineering	Fr. Angel Institute, New Delhi.
 <p>Dr. Manoj Nayak B.E (Mech.), M.Tech, Ph.D(NIT)</p>	Associate Professor & HOD, Department of Mechanical Engg.	Conventional and Un-conventional Machining, Cutting Tools	Manager (Prod and Vendor Development), GP International Ltd., Faridabad, manufacturer of Automotive parts,
 <p>Dr. Vijay Kumar P h.D (Applied Mathematics), M.Sc (Maths)</p>	Associate Professor & HOD, Department of Mathematics	Fuzzy Information theory & decision making	Delhi College of Technology & Management, Palwal and JRE College of Engineering, Greater Noida.
 <p>Dr. Devi Singh M.Sc (Delhi University), Ph.D (Delhi University)</p>	Associate Professor & HOD, Department of Physics	Material Science, Polymer Fibers	Previously worked with Central Road Research Institute (CSIR), Senior Secondary Education Sector and Lingayas University
 <p>Dr. Jyoti Chawla Ph.D (Chemistry), NET</p>	Associate Professor & HOD, Department of Chemistry	Water Purification, Risk Assessment of Nano materials, Surface Chemistry	Worked as lecturer in D.A.V College, Batala and Guru Nanak Dev University, Amritsar, as research fellow in Bhabha Atomic Research Centre, Mumbai in a collaborative project (IUC-DAE) with Guru Nanak Dev University, Amritsar.
 <p>Dr. Pooja Anand, MSPT, MIAP</p>	Associate Professor & HOD- Physiotherapy	Exercise physiology & Sports Rehabilitation.	Amity Physiotherapy College, Guru Nanak Dev University, Amritsar.
 <p>Dr. Pratibha Singh, M.Sc, Ph.D, NET</p>	Associate Professor & HOD, Department of Nutrition & Dietetics	Research and Innovation in the field of Clinical Nutrition, Public Health Nutrition	Dr B.R. Ambedkar University, Agra, Faridabad Institute of Technology, Faridabad.
 <p>Dr. Rashmi Agrawal, M.Phil, M.Tech, MBA,</p>	Associate Professor & HOD	Data Mining, Artificial Intelligence	Faridabad Institute of Technology, Faridabad
 <p>Dr. Suresh Chander Nayak, Ph.D, M.A.M.C, M.A., M.Phil (English)</p>	Associate Professor & HOD - Faculty of Media Studies	Development Communication, Advertising	Principal, OIMSC Bhubaneswar
 <p>Dr. Monika Goel, B.A, M.Com (E.A.F.M), NET, Ph.D</p>	Professor & HoD Commerce, Faculty of Commerce & Business Studies	Business Taxation, Corporate Finance,	Asst. Professor, Lal Bahadur Shastri Institute of Management, New Delhi

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Name & Qualification	Designation	Special Interests & Broad Duties	Previous Employment
 <p>Prof. Rakesh Kumar Arya, M.Sc. (Statistics), MFM, PGD, Ph.D</p>	Professor & HOD Business Studies, Faculty of Commerce & Business Studies	Business Law & Financial Markets International Business, Development Economics	Project Finance, Government of India
 <p>Ms. Ritika, PG Diploma in PR &amp; Marketing, B. Ed</p>	HOD-Hotel Management	Public Relations	14 Years in Hotel Industry
 <p>Ms. Shruti Jain Msc. Interior Design</p>	HOD-Interior Design	Interior Design	AIFD, Chandigarh
 <p>Dr. R.V. Singh, B.Sc. Engg., M.E., Ph.D</p>	Professor Department of Mechanical Engineering	Production Engineering	IGIT, Delhi, Al-Falah School of Engineering & Technology, Faridabad, Gold Field Institute of Technology & Management, Faridabad
 <p>Dr. Supriya P. Panda, M.Sc. (Maths), M.S, Ph.D</p>	Professor-CSE- Faculty of Engineering & Technology	Soft Computing, Software Engineering, Algorithms	Associate Professor-NCU (Formerly ITMU Gurgaon)
 <p>Mr. Gaurav Sood, MBA, M.A (Public Administration), (Integrated Marketing Management)</p>	Professor-MBA (Marketing)-Faculty of Management Studies	Marketing, Digital Marketing, Brand Management, Corporate Communication	Wacom GM Brand Marketing Key Account Director-HH Global, GD Goenka World Institute-Lancaster University
 <p>Dr. Amit Seth, Ph.D. (Aligarh Muslim University)</p>	Professor, Faculty of Commerce & Business Studies	Strategic Management, Skill Development and Turnaround management, Conducting MDPs, exploring industry linkages.	Vice President (Marketing Operations) Metro Tyres Limited, J.K. Tyres, Uptron India Ltd, Ralson India Ltd, Siya Ram Poddar Group, Delhi Business School, New Delhi
 <p>Dr. Anil Sarin, M.Com, PGDM, Ph.D</p>	Professor	Marketing, Management and Entrepreneurship	Hamdard University, Jamia Milia Islamia, Pondicherry University, NIAM-Jaipur
 <p>Dr. Surbhi Kapur, PG (English), Ph.D (English)</p>	Professor- Faculty of Management Studies	Business communication & Cross Culture Communication	KIIT School of Mangement (KSOM), Bhubaneshwar
 <p>Vikram Kr. Sharma M.Lib. &amp; Info. Science, UGC-NET</p>	Head, Central Library	Research & Reference	The American Library, New Delhi, Union Ministry of Home Affairs

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Name & Qualification	Designation	Special Interests & Broad Duties	Previous Employment
 Dr. S.S. Tyagi, B.Tech, M.S., Ph.D	Professor, Computer Science & Engineering.	Cloud Computing, Wireless security, Mobile Adhoc Networks, Computer Networks Security	Assistant Professor in LIMAT, Faridabad
 Dr. Arti Mishra, Ph.D	Associate Professor Department of Mathematics	Real Analysis & Topology	SNGGPG Girls college, Bhopal (MP).
 Dr. Mukta Sharma, M.Phil, Ph.D	Associate Professor Department of Chemistry	Corrosion Chemistry	I.P. College, Delhi
 Dr. (Prof.) Harbir Kaur Arora M.Litt, Ph.D (Linguistics)	Professor & HOD - English	Language Teaching, Linguistics, Communication skills, soft skills, phonetics grammar	University of Delhi (Linguistics Dept.) Galgotias College of Engineering, S.G.T University, Gurgaon
 Dr. Shobha Srivastava M.Sc., MBA, Ph.D in Microbiology	Deputy Registrar- Faculty of Engg. & Technology, MRIU	Education & General Management, Holistic Wellness & Life Skills & Industrial Microbiology	Dean Administration & Corporate Affairs. Shivalik College Of Engineering, Dehradun
 Dr. Jayender Verma, M.Com, Ph.D	Associate Professor	Accounts & Economics	Faridabad Institute of Technology, Faridabad.
 Mr. Vinod Kumar Khera, B.E, PGDBA, M.Tech	Associate Professor-ECE- Faculty of Engineering & Technology	Research in VLSI & Product Optimization	UPM, India Atmel Corporation Industry-Academia Relationship Coordinator- GTBIT, Guest Faculty-NSIT, Dwarka
 Ms. Gurjeet Chawla, M.Sc., MBA	Associate Professor- Nutrition & Dietetics- Faculty of Applied Sciences	Nutrition & Health Promotion Community, Resource Management	Faridabad Institute of Technology, Faridabad
 Dr. Renuka Pathak, B.Ed B.Sc. (Chemistry & Physics ancillary), M.Sc. (Biochemistry), Ph.D	Associate Professor-N&D- Faculty of Applied Sciences	Diabetes Management, Genetics	Lady Irwin College & other colleges of Delhi University, Sophia College, Ajmer
 Mr. Harikrishna Nambiar, Graduate Diploma in Construction Project Management, B.Arch (SPA)	Associate Professor- Architecture-Faculty of Planning & Architecture	Temple Architecture	Visiting Faculty Member, Vastukala Academy School of Architecture, New Delhi



## DEAN-ACADEMICS

**Dr. Naresh Grover**  
Professor, Dean - Academics & Dean-FCA

**Experience:** 32 years

**Areas of Interest:** Digital System Design and Microprocessor

It gives me immense pleasure to welcome you to Manav Rachna International University (MRIU) where academics and activities go hand in hand as students are groomed to evolve as well balanced personalities in the fields of engineering and technology, science, commerce, humanities, management, health sciences and therapies, sports, multi-media, architecture and many more other streams. Our dedicated team of highly talented Faculty are always striving for academic excellence and inculcating the same spirit among our students for overall personality development. The major emphasis while imparting training at MRIU is to encourage the quest for knowledge and innovation among our students and lay a strong foundation for a future where they are able to face global challenges in a rapidly-changing scenario. Here at MRIU, we try to mould our students with strength of character, self-confidence, technical competence and leadership in management so as to transform them into insightful and honorable citizens of this great nation.

The academic ambience at this University nurtures critical-thinking as our students gain in depth knowledge and practical skills through industry-oriented curricula and innovative instructional practices. Backed by multidisciplinary teamwork approaches and leadership-building experiences including get-together events, seminars and workshops, students are more than equipped for future leadership roles once they step out of college to face the world at large.

MRIU leaves no stone unturned to make its curriculum world class by leveraging the inputs of experts from industry and academia and delivering it in a way that students find fascinating. Knowledge to the students is disseminated through committed Faculty members drawn from top notch institutions in India, state-of-the-art library, well-equipped labs and an overall tranquil environment in the campus that makes learning a joyful experience.

At Manav Rachna International University, 'Quality' is a way of life, ingrained in its very roots and philosophy. With the award of 'A' Grade by NAAC, a coveted distinction in academia, the Faculty and the Administrative Staff are motivated to take the University to even higher standards of excellence while discharging their educational responsibility towards the students and society.

Taking forward the commitment to excellence and a vow to create futuristic global leaders, Manav Rachna Educational Institutions have collaborated with SAP SE (NYSE: SAP) to offer extensive range of courses to all its students designed to provide cutting-edge and cost-effective SAP training to aspiring students. The SAP Center at Manav Rachna is a flagship enterprise which will empower the undergraduate and postgraduate students with skills in SAP and will enable them to bridge the industry-academia gap and enhance their employability and entrepreneurial prospects.

SAP module of 40 Hrs duration on Business Process has been embedded in the curricula of B.Tech. (Aero, Auto, CSE, ECE, EEE and Mechanical), MBA, MCA, BCA, BBA and B.Com programmes. Other SAP modules relevant to disciplines of engineering and business studies will be offered at MRIU under the following specialized avenues

- SAP ABAP (Advanced Business Application Programming)
- SAP MM (Materials Management)
- SAP HR (Human Resource Management)
- SAP FI (Financial Accounting)
- SAP SD (Sales and Distribution)

In the pursuit of 'creating better human beings' and as a part of our commitment towards quality education, we have embarked upon promoting Faculty Development Programmes, Seminars, Workshops and Conferences at National and International levels, which keeps the faculty members and students abreast of

the latest trends. A culture of research and innovation pervades the campus through enhanced R & D activities, myriad projects and initiatives at the Manav Rachna Research Innovation and Incubation Centre (MRIIC), creation of centers for interdisciplinary research, establishment of industry-sponsored Programmes, stronger interface with industry and alumni along with a special focus on new post-graduate and doctoral Programmes.

By choosing MRIU and selecting us to be your learning partner, you have taken the first step in becoming an educated and conscientious member of the society. Throughout your journey and stay here at Manav Rachna, please remember that you are not alone in this endeavor. Your professors, advisors, mentors, staff members and the administration are there to help you realize your goals and ambitions. They would want you to be successful and make your mark in public life, but the same can only be achieved if you are committed and have a positive attitude towards life.

We look forward to partnering with you in shaping your future during the most exciting period of your life and would like to ensure that your college years are filled with cherishable memories.

With very best wishes for a richly rewarding career.

**Dr. Naresh Grover**  
Dean Academics, MRIU

TAKING FORWARD THE COMMITMENT TO EXCELLENCE AND A VOW TO CREATE FUTURISTIC GLOBAL LEADERS, MANAV RACHNA EDUCATIONAL INSTITUTIONS, IN ONE OF ITS RECENT INITIATIVES HAVE COLLABORATED WITH SAP SE (NYSE: SAP) TO OFFER EXTENSIVE RANGE OF COURSES TO ALL ITS STUDENTS.



## FACULTY OF COMPUTER APPLICATIONS (FCA)

**Dr. Rashmi Agrawal**

Associate Professor and Head of Department

**Qualifications:** Ph.D, MTech, MBA, MPhil, UGC-NET (CS)

**Experience:** 15 Years

**Area of Interest:** Data Mining, Artificial Intelligence

Faculty of Computer Applications is one of the earliest entities of the university engaged in teaching and research in computer applications. Currently it offers MCA, MCA (Lateral), BCA, and B.Sc. IT Programmes with latest industry-ready curriculum which is kept regularly updated in the light of latest developments in the IT industry. The curricula for all the programmes being offered at FCA has been designed on Choice Based Credit System (CBCS) with a basket of good number of Elective Courses including Discipline Elective, Generic Elective and Open Electives. Some of the recent courses include Cloud Computing, Optimization Techniques, Digital Image Processing, Compiler Design, Software Project Management and Search Engine Optimization.

We provide a highly interactive learning environment so that the students get a full

feel of the subject and get fully involved in the acquisition of computer skills. Students are encouraged in innovative and critical thinking in various computer languages, platforms and protocols. They are exposed to live industry projects to enable them to gain insights into the working of the industry.

One of our key areas of strength is highly qualified, experienced, committed and professionally oriented faculty. Most of them are engaged in doctoral research.

Apart from rigorous classroom teaching, the students are given online practical assignments from time to time. There are regular mentoring sessions for each student in which academic and non-academic problems of students are individually discussed and resolved.

The Faculty of Computer Applications has modern classrooms with quality audio-visual equipment and computer labs with

latest software and equipment. The entire MRIU campus is Wi-Fi enabled with good connectivity. The students have access to world-class library stocked with a large number of books, professional journals and other academic resources.

Students are given special training in professional skill areas such as business communication, decision-making, team-building, EQ, negotiation skills and leadership skills which are in great demand in industry in addition to computer skills. The department also endeavors to provide knowledge on Holistic Wellness & Life Skills for its students. There is a special emphasis on all round personality development.

We welcome all the students in the new academic session & wish them success in the exciting journey to the wonderful world of Computers & Information Technology.

### PLACEMENT OPPORTUNITIES

FCA, MRIU is committed to support and celebrate individuals from all backgrounds, countries, & cultures. Doing so gives us the ability to readily adapt, the creativity to come up with fresh ideas, the openness to connect with others, and the willingness to share knowledge and our excitement about pursuing it.

In an endeavor to secure top-of-the-line in-campus recruitment for the students, the teaching faculty conducts placement incubation and preparation classes for a minimum of two semesters besides capsule inputs. All the Programmes at FCA are designed to meet the growing requirements of qualified professionals not only in IT industry but also in other industries. After successful completion of graduation / post graduation, the job opportunities range from Software Engineering and Development, Hardware and Networking, Research and Development, Services and Applications support etc. Students get absorbed in organizations as Programmers, Software Testers, Analysts, Engineers, Administrators and Researchers.

Major Recruiters for our students are: AON Hewitt, CMC, DELL, HCL Technologies, L & T Infotech, Motherson Sumi, NIIT, SAMSUNG, WIPRO, Zen Focus, 3 Pillars Global, Tech Mahindra, Aricent Technologies, TCS

### PROGRAMMES OFFERED

- Bachelor of Computer Applications (3 Year)
- B.Sc. - Information Technology (3 Year)
- MCA - (3 Year)
- MCA - Lateral Entry (2 Year)

B.Sc. - Information Technology is being offered in collaboration with Auckland Institute of Studies (AIS). Auckland Institute of Studies (AIS), Auckland, New Zealand is a unique tertiary institution providing NZQA Accredited Diploma, UG and PG level Programmes. AIS has partnered with MRIU to provide curriculum and accreditation support for B.Sc. I.T. Programme.

The detailed semester-wise course structures along with study schemes for the programmes are available on MRIU website.



# FACULTY OF ENGINEERING & TECHNOLOGY (FET)



**Dr. M.K. Soni**

Executive Director & Dean

**Qualifications:** B.Sc. Engg., M.Sc. Engg., Ph.D

**Experience:** 41 Years

**Publications:** 152

**Areas of Interest:** Control Systems,  
Microprocessors and Computer Networks

MRIU has its origins in Career Institute of Technology and Management (CITM), an esteemed educational entity, which originated in 1997. CITM was accredited by NBA twice, first in the year 2003 for three B.Tech. Programmes and next in 2007 for four B.Tech. Programmes. In July 2008, Govt. of Haryana granted Autonomous Status to the Institute. Subsequently, in October 2008, Ministry of HRD, Govt. of India conferred "Deemed to be University" to the Institute and it was then named as Manav Rachna International University (MRIU), which is presently a NAAC 'A' grade University.

FET, MRIU enjoys unparalleled reputation amongst all stakeholders i.e. its students and their parents, employers and the community at large. The Faculty has a very strong track record of on-campus placements with national and international companies. It has excellent infrastructure. Its labs and workshops are equipped with state-of-the-art machinery and latest computing facilities.

At U.G. level, apart from the normal B.Tech. Programmes, FET offers B.Tech. with certain specializations in association with leading industry names offering assured placements. The faculty also offers admissions to B.Tech Lateral Programmes.

At P.G. level FET offers M.Tech/M.Sc. Programmes, in various specialization including M.Sc. Biotechnology & Environmental Science.

**Eligibility conditions, No. of seats, Fees payable, Criteria for merit list and other details of all the above programmes are given from Page No. 60 onwards in this brochure.**

The curricula for all the programmes being offered at FET have been designed on Choice Based Credit System (CBCS) with a basket of good number of Elective Courses including Discipline Elective, Generic Elective and Open Electives. Industrial Training has been embedded in the curricula for all the programmes. Emphasis is also given towards skill innovation and development of projects.

The course work is supplemented by industrial visits, educational tours and invited lectures from eminent persons from academics and experts from industries. In addition, a 40 Hours Business Process Course of SAP has also been embedded as a part of curriculum for all branches of B.Tech. Program (except Biotech) to make our students recruitment ready for job opportunities in IT/other industries.

FET has organized various International and National Conferences/ Seminars/ Workshops in collaboration and support of Govt. funded organizations and foreign Universities. The students/ faculty members jointly organize seminars/conferences under the aegis of student chapters of various professional bodies like Institution of Engineers (IE), IETE, ISTE, IEEE, CSI, SAE, ASHRAE, and QCI. The collaboration with these bodies is gainful for both students as well as faculty members.

FET students have been participating on year to year basis in BAJA competitions for All Terrain Vehicle, Supra competitions for Formula One Car, Shell Eco Marathon Competitions for Fuel efficient cars, Intel Embedded Challenge Cup, Microsoft

Imagine Cup and many others. FET is also a regular participant in International Trade Fair held every year in Pragati Maidan in November and displays new technologies in the Haryana Pavilion which attracts huge crowds. Some notable achievements in the recent past include participation in Formula student journey in Hockenheim, Shell Eco Marathon in Manila, BAJA USA, Robouar at UIET, Chandigarh, Grid Tech 2015 at New Delhi, Solar powered car and many more.

FET has an enviable good track record of placement of students. A large number of students have been successfully placed in reputed organizations such as TCS, Infosys, L&T Infotech, HCL Technologies, Maruti Suzuki, Huawei Technologies, NIIT Technology, Microsoft, I-Flex, Dell, Oracle, Nokia Siemens, Ericsson, Cease Fire, Escorts, Sandvik Coromant, Wipro, JBM, Hewitt Technology, Capital IQ, Data64, Life Cell International, Amazon etc. Besides, a number of pass outs are pursuing post graduate courses in India and abroad. Presently, more than 125 research scholars are pursuing Ph.D. programme in different Departments of FET.





## DEPARTMENT OF AERONAUTICAL ENGINEERING

**Dr. R.S.Tarnacha**

Professor & Head of Department.

**Qualifications:** B.Sc. Engg. (Aero), M.E.-Aero (IISc Bangalore), Ph.D (IIT Delhi). MBA-HRM

**Experience:** 43 Years

**Areas of Interest:** Computational Fluid Dynamics, Aircraft Propulsion, Aerodynamics

The Aeronautical Engineering department was established in 2008 and has, thereafter, acquired resources consistently in order to build up a good academic environment. The Lab facilities available include a subsonic, open circuit wind tunnel along with its measurement accessories, a water-table, hot-wire anemometry system, a 32-channel electronic pressure scanner, propeller test set up, flame propagation apparatus, experimental set up for measuring shear centre, torsion and bending stresses, and diffused light polariscope for stress analysis. The department also has aircraft assemblies, components, and aircraft instruments of a frontline fighter aircraft, and models of various aircraft and jet-engine. The students assemble exotic configurations of aero-models and fly them so as to study the effect of aerodynamic features and structural integrity of such aircraft configurations. The computational facility in the department has specialized software

like ANSYS and lab courses are also conducted on the use of modeling/simulation softwares like, GAMBIT/FLUENT, MATLAB and Pro-E.

The faculty members in Aeronautical Engineering are well qualified, holding Ph.D. and M.Tech. qualifications in Aerospace Engineering from premier institutions of India and U.K. and have rich experience in aircraft maintenance, aircraft design, rocket systems and design of UAV gathered from their previous tenures in IAF and academic institutions. Such a practical experience is of great advantage to students to get first-hand information on modern technologies/practices followed in the aerospace industry.

The students undergo industrial training as a part of the curriculum. They are also trained in soft skills and aptitude development to prepare them to face the professional world with ease when they pass out.

The co-curricular activities include educational visits to Air Force bases, industry and academic institutions. The department conducts aero-modeling workshops and guest lectures by experts from industry/academic institutions

Aeronautical students have been placed in DRDO labs, like ADE, Bangalore; in organizations like Mechartes and Zeus Numerix which are engaged in application and development of CFD, and in private companies like TCS and companies engaged in design and maintenance. Some of the students have gone for higher studies (M.Tech. and MBA) in premier institutions in India, USA, Germany, and Australia.

### PROGRAMME OFFERED

- B.Tech - Aeronautical Engineering (4 year / 3 year Lateral Entry)

The detailed semester-wise course structure along with study scheme for the programme is available on MRIU website

### PLACEMENT OPPORTUNITIES

Aerospace Engineering is both challenging and rewarding. India's successful 'Chandrayaan', 'Mars Orbiter Mission', recent successful launch of GSLV Mk-III, and indigenously designed and manufactured Tejas fighter aircraft are examples of challenging careers. The emerging joint ventures between aerospace giants like Boeing and Dassault Systems with Indian companies have opened further avenues of placement for aerospace students. The aeronautical careers exist in Hindustan Aeronautics Ltd. (HAL), Indian Space Research Organization (ISRO), Defence Research Development Organization (DRDO), Defence forces such as Indian Air Force, Indian Navy, Indian Army, and Airlines in the Govt. and private sector as well as in the aircraft manufacturing companies in the private sector.





## DEPARTMENT OF AUTOMOBILE ENGINEERING

**Dr. Devendra Vashist,**  
Professor & Head of Department.

**Qualifications:** B.Tech. M.Tech, Ph.D, MB

**Experience:** 18 Years

**Areas of Interest:** I.C Engines, Automobile Engineering, Heat Transfer, Alternate Fuels.

The Indian auto industry is one of the largest in the world with an annual production of 23.97 million vehicles in FY 2015-16. The automobile industry accounts for 7.1 per cent of the country's gross domestic product (GDP). India is also a prominent auto exporter and has strong export growth expectations for the near future, around 31 per cent of small cars sold globally are manufactured in India. In FY 2014-15, automobile exports grew by 15 per cent over the previous year. In addition, several initiatives by the Government of India and the major automobile players in the Indian market are expected to make India a leader in the Two Wheeler and Four Wheeler market in the world by 2020. Government of India aims to make automobiles manufacturing the main driver of 'Make in India' initiative, as it expects passenger vehicle market to triple to 9.4 million units by 2026, as highlighted in the Auto Mission Plan (AMP) 2016-26.

The Department of Automobile Engineering was established in 2009. It was created to provide specialized knowledge and skills to students interested in automobiles. This specialized objective is fulfilled by the highly qualified and experienced faculty having M.Tech / Ph.D degrees. The students are exposed to various relevant topics like design of automobile components (both

manual and computer aided), types of fuels used in automobiles with their property analysis, different types of energy losses in the vehicle, latest technology and standards used in engine design and manufacturing, air conditioning in the automobiles, dynamics of motor vehicles, vibration analysis, vehicle maintenance and auto electrical and electronics. Along with this, subjects such as strength of materials, manufacturing technology, fluid mechanics, heat transfer, industrial engineering and workshop technology are also taken care of. Hands on training is provided to the students in the specialized laboratories of vehicle maintenance, fuel and lubricant, I.C Engines, auto electrical and electronics, vehicle design etc. Softwares such as ProE, MATLAB and Solid Works are being taught on workstations for design and development of vehicles.

The Faculty members of the Department have been actively involved in Research and Development activities in the field of alternative fuels, heat transfer, new engine development, vibration analysis in vehicles etc. They regularly publish their work in renowned National and International Journals, conferences and have also filed patents in their area of research.

The department has entered into a MoU with a number of leading names in Industry. Major ones include:

- Honda Motor Cycle and Scooter India Private Limited: This association will provide a platform to students to take up research projects in emerging area in association with HMSI.

#### Research will focus on area

- Improving efficiency of engines.
- Alternative fuels
- Impound design features of vehicles and their components.
- India Oil Corporation: This association will provide an opportunity to work on diesel oxidation kits fitted in buses for reduced emission technology for multicylinder diesel engine will be imparted to the students.
- ASDC (Automotive Skill Development Council): In this association short term training will be imparted on two wheeler and four wheelers that will help trainees to become more proficient.

Automobile Engineering Department runs SAE Collegiate Club for its students interested in showcasing their practical knowledge at national and international level. The objective of participation in these competitions is to provide students with a challenging project that involves design, engineering, planning, manufacturing and marketing the tasks for a new product. Students of the department have participated in International events Shell Eco Marathon, SAE Baja International and FSG Germany and in national events SAE Baja, SAE Supra, SAE Efficycle, SAE Go Kart Championship and Grid-Tech events. A team of students has participated in Shell Eco Marathon 2012 competition at Sepang International Circuit Kuala Lumpur, Malaysia. A team was selected for Shell Eco Marathon 2013 and was among one of the 4 teams to represent India. The Team also participated in Shell Eco Marathon 2014 (Manila, Philippines) and Formula Student Germany 2014 (Hockenheim, Germany). Students also participated at Grid Tech 2015 held at Pragati Maidan and won the third prize among 40 shortlisted teams from India. Our team of students has also participated in 2016 Student Formula Japan competition held at ECOPA (Ogasayama Sports Park), Shizuoka, Japan.





Students are given regular exposure and awareness about manufacturing processes through industrial visits. Some of the manufacturing units that were visited in 2015-16 are Honda SIEL Cars India Ltd. (HSCI) Greater Noida, Rosa Thermal Power Plant, Shahjahanpur (U.P.) Krishna Maruti Ltd. Gurgaon AAR ESS Auto Private Ltd, Faridabad and Indian oil, Research and Development Centre Faridabad.

The Department has conducted workshops titled "Future trends in automobile sector", "Engine overhauling Fault diagnosis and Wheel balancing" and "SAE International President and Student Meet" in 2012, 2013 and 2015. The objective of these workshops was to apprise faculty members and students about the emerging areas of technology in automobiles. The Department also organized a National Conference titled, 'Alternate Fuels and Controls' in March, 2013, sponsored by DRDO in which prominent personalities from the auto sector delivered their expert thought to our aspiring engineering students.

## PROGRAMMES OFFERED

- B.Tech - Automobile Engineering (4 year / 3 year with Lateral Entry)

The detailed semester-wise course structures along with study schemes for the programmes are available on MRIU website



## DEPARTMENT OF BIOTECHNOLOGY

**Dr. Abhilasha Shourie**  
Associate Professor & Head  
Department of Biotechnology

**Qualifications:** M.Sc, Ph.D

**Experience:** 12 Years

**Areas of Interest:** Phytochemistry

Biotechnology is a growing at fast pace in India and is rapidly gaining significance and opportunities throughout the world. India is one of the leading markets for Biotechnology Industries and there is huge focus of Indian government on Research & Development in Biotechnology. The biotechnology sector of India is highly innovative & is on a strong growth trajectory. Robust growth in Biotech industry has attracted significant amount of attention of global companies over the past two decades. Biotechnology has shown a very promising future in India & has emerged as most sought after discipline for turning the country into a global manufacturing hub.

Biotechnology is also one of the most realized fields for "Make in India" campaign launched by Prime Minister Mr. Narendra Modi, and it has been identified by Government among 25 sectors that will be covered under the *Make in India* plan to strengthen the Indian economy. Huge funds are being mobilized in different areas of biotech such as biopharma, agri-biotechnology, diagnostics, horticulture, food science and more through several

schemes and initiatives by Department of Biotechnology (DBT), Department of Science & Technology (DST) along with other government funded institutions.

The Department of Biotechnology was set up in the year 2002 at MRIU. This discipline is the most diversified of all the natural sciences, exhibiting a bewildering array of sub disciplines. The complex multifaceted nature of biotechnology has been derived, primarily from the largely post war introduction into biotechnology, of other scientific disciplines such as physics, chemistry and mathematics. This has made possible the description of life processes at the cellular and molecular level. It can today be considered as a series of enabling technologies involving the practical applications of organisms or their cellular components to manufacturing, service industries and environmental management. Biotechnology is developing at a phenomenal pace and will increasingly be seen as part of the advancement of modern life.

The Department of Biotechnology at MRIU has very highly qualified teaching faculty with Doctoral and M.Tech qualifications in different areas of Biotechnology, i.e., Microbiology, Biochemistry, Photochemistry, Plant Pathology, Bio-fertilizers, Petroleum Microbiology, Fermentation, Virology, Environmental Biotechnology, Bio-fuels, Bioremediation, Bioinformatics, etc. Faculty members are consistently involved in research and for the years of consistent efforts have on an average 35 publications in National and International journals of repute and proceedings of seminars/conferences over the years. Seven faculty members are guiding Research scholars for PhD Programme.

The Department has a wide range of laboratories namely Cell Biology Lab, Microbiology Lab, Fermentation Technology Lab, Molecular Biology Lab, Environment Biotechnology Lab, Bioinformatics equipped with world class instrument facilities like HPLC, Atomic Absorption Spectroscopy, IR Spectroscopy, Fermenters, Gel Doc System, PCR, etc.

## PLACEMENT OPPORTUNITIES

Automobile engineers are in demand nowadays because of high proliferation of automobiles all over the world. Maruti Suzuki, Toyota, Volkswagen, Tata Motors, Hyundai, Mahindra & Mahindra, Ashok Leyland, Hindustan Motors etc. are some of the leading automobile manufacturers in the country who are showing an active interest in our students. The automobile manufacturing industry is supplemented by OEMs, such as Jai Bharat Maruti, Krishna Maruti, Sharda Motors Ginnie solution, Institute of Road Traffic Education, HKS Auto, TCS, Square Yards, Harrison Associates, Blue Sapphire, Newgen Software technologies, Honeywell, Eternity Industries Pvt Ltd. etc who frequently visit the campus for placements. Of course, other fields open to these engineers include defence forces, space programme, atomic energy, power plants, railways, research laboratories, software development, information technology etc. In Addition, some students with meritorious academic records and matching skills, have opted for higher studies in both National and International universities.

Ever since inception, the Department has made a mark in all spheres of activity. These include:

- The academic performance of students has always averaged between 80-85% in different Programmes offered by department.
- Exposure and awareness of manufacturing units where bio processes are well established towards product delivery needs to be introduced to students. To meet this aim, industrial visits are regularly conducted to Mother Dairy, Vita Milk Plant, Yakult Probiotics, etc for an understanding of bioprocesses and manufacturing of bio-products.
- Students undergo industrial training in 8th Semester at institutions of national repute like the Institute of Nuclear Medicine & Allied Sciences - DRDO, National Center of Applied Human Genetics, School of Life Sciences, JNU, Indian Institute of Integrative Medicine, Council of Scientific & Industrial Research, Canal Road, Jammu - Tawi, Department of Medical Oncology - Sir Ganga Ram Hospital, National Research Centre on Plant Biotechnology, Pusa Campus, Ranbaxy, IOCL R & D Centre Faridabad etc.
- To ensure quality student product and to minimize under quality pass outs, workshops/seminars/conferences are organized regularly to disseminate developments in the discipline of Biotechnology.
- Research and Innovative projects are the backbone of any progressing department. A rich Faculty resource, each holding Doctoral Degree with diverse skill sets, are engaged in intensive research with research scholars and students of both PG and UG Programmes.
- 27 Research Papers have been published by the faculty and students of the Department at PG & UG level. Ms. Meena Kapahi, Research Scholar under the supervision of Dr. Sarita Sachdeva has received best paper award at a recent National conference on Science and Media held at YMCA, Faridabad. Efforts are ongoing for many more milestones to be achieved.

## PROGRAMMES OFFERED

- B.Tech- Biotechnology (4 year / 3 year with Lateral Entry)
- M.Tech - Biotechnology (2 year)
- M.Sc. - Biotechnology (2 year)

The detailed semester-wise course structures along with study schemes for the programmes are available on MRIU website

## PLACEMENT OPPORTUNITIES

Employment opportunities are available in the specialized fields of biotechnology viz. Stem Cell Technology, Biomedical Devices, Pharmaceuticals, Diagnostics, Global Biotech Parks (DBT), Biotech Research Incubator Institutions, Food Corporation of India, Biotechnology Management, IT sector, Banking Sector and Armed forces (Biological Warfare). Engineering Colleges and Technical Universities also offer job opportunities. Students can also go for higher studies and start their own ventures.

A large number of pass outs have bagged excellent placements in leading companies, viz, Imperial Life Sciences, Lifecell International, Totipotent RX, Covidien, Space Group, Sagacious Research, CHC Health Care, e4e Health Group, Link Biotech, Ozone Biotech, CPM, Agilent Technology, Panacea Biotech, Medox Diagnostics, TCS (Biotech Division), Infosys (Biotech Division), IDS, L & T Infotech, IFBI and HCL, SCOTT EDIL & Kelly Services India Pvt. Ltd, Boston Scientific, etc.

Some pass outs have opted for higher studies in both national and International universities after qualifying in competitive exams like GATE/ CSIR-NET/ GRE/ TOFEL/ IELTS. Some of the universities where our students are pursuing higher studies are IIT Mumbai, IIT Khargpur, NIFTAM Sonepat, DUCRUST Murthal, Delhi College of Engineering, MDU Rohtak, Amity University Noida, and MMU Ambala etc. International institutes include Drexel University Philadelphia- USA, University of Alabama Birmingham - US, University of Scotland, Clemson University Southern Carolina- US, Minnesota University- USA, John- Hopkins University- US, IGBI - Italy, Cornell University- US and many others.





## DEPARTMENT OF CIVIL ENGINEERING

**Dr. Sadiqa Abbas**

Associate Professor & Head of Department.

**Qualifications:** B.Tech., M.Tech., Ph.D (Jamia Millia Islamia)

**Experience:** 18 Years

**Areas of Interest:** Environmental Quality Monitoring,  
Air Pollution and its control

Civil Engineering is considered to be the most versatile branch among all the engineering branches in the country. Being the oldest Engineering branch in the academic institutions in the world, it has a lot of diversity right from Geotechnical Engineering to Structural Engineering, Environmental to Hydraulics, Transportation to Hydrology, Planning to Construction, etc. A Civil Engineer plays a vital role in national development works like roads, bridges, tunnels, buildings, airports, railways, docks and harbour, dams, water works, water supply and sewage systems, etc. which are essential for the rapid growth of any country.

Civil Engineering Department was established in the year 2009. It has built an excellent reputation not only in academics but also placement. The department has a blend of highly qualified and experienced faculty members having M.Tech/Ph.D. degree from IIT, NIT, DTU, JMI and other Institutes of National repute. The Department offers B.Tech, (Civil Engg) M.Tech (Civil Engg) and Ph.D Programme in Civil Engineering.

The Department has fully equipped Labs with state-of-the-art equipment including Applied Mechanics Lab, Structures Lab, Strength of Materials Lab, Soil Mechanics Lab, Environmental Engineering Lab, Concrete Lab, Transportation Engineering Lab, Hydraulics Lab, Fluid Machinery Lab, Surveying Lab, Engineering Geology Lab, Computational Lab, Advanced Structural Engineering Lab, Construction Yard, and Models & Material Museum.

For better awareness and interest of a student, continuous interaction with reputed companies are being organized at frequent intervals in the form of special technical lecture/ workshop/ site visit or exchange of technical knowledge etc. The Department also encourages its students to engage in extracurricular and co-curricular activities, essential for overall development, nurturing of team spirit and developing organizational skills to keep themselves abreast with current developments in the area of Civil Engineering.

### PROGRAMMES OFFERED

- **B.Tech- Civil Engineering (4 year/3 year with Lateral Entry)**
- **M.Tech- Civil Engineering with Specialization in Structural Engineering, Construction Management and Transportation Engineering (2 year)**

The detailed semester-wise course structures along with study schemes for the programmes are available on MRIU website

### PLACEMENT OPPORTUNITIES

India is going through an intense phase of rapid infrastructure development. This throws up possibilities of absorption of Civil Engineers in a big way. Presently, huge demand and supply gap exists for Civil Engineers in the market. The effect of this gap is manifested in the fact that all eligible/willing students of 2009-2013, 2010-14, 2011-15 and 2012-16 batches have been placed in reputed companies such as Ashoka Buildcon, Rothenberger, PNB Housing Finance, Earth Infrastructure Pvt LTD, GR Infra Projects Ltd, KMC Construction, PNC Infratech Ltd, Sushee Infra Pvt Ltd, TCS, Theme Engineering, Unihorn, Vishwa Infrastructure, SGS-Technomech, Top Surveying, Prathishta Group, Cinda Engineering, Supertech etc. Apart from the above, many companies are in touch with the department for immediate recruitment of students of this department. Some of the students have also joined Armed forces, Government departments as well as have opted for higher studies in both National and International universities.





## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

**Dr. Suresh Kumar**  
Professor and Head

**Qualifications:** Ph.D, M.Tech, BE

**Experience:** 16 Years

**Areas of Interest:** Business Intelligence,  
Big Data, Mobile Ad hoc Networks.

The department of Computer Science & Engineering was established in 1997, initially offering Bachelor of Engineering in Computer Science & Engineering. The Department focuses on mastering the fundamental concepts both theoretically and practically. The department is providing motivation for learning, intellectual efficacy and self-reliance which provide the best foundation for continuing professional achievement. The B.Tech Computer Science & Engineering programme offered by the department had been accredited twice by the National Board of Accreditation (NBA) in 2003 and in 2007.

Keeping in view the growth in industry and increasing demand of professionals, the department has started a postgraduate programme to offer Master of Technology in Computer Engineering. The programme provides intensive training to the students at advanced level to enable them to take up research and development activities. The course curriculum has been specially tailored to fulfill the growing global outlook and focus on upcoming technologies in the field of Computer Science and Engineering to cater to the needs of the industry and R&D organizations.

The Faculty members of the department are actively involved in research and development activities and continuously participating and contributing in National and International Conferences and Seminars. The faculty members of the department are well published, experienced, conferred with M.Tech/Ph.D degree.

The department is having several student chapters of the professional bodies like IEEE, CSI, ACM & ISTE. Students are participating in various activities regularly to enhance their technical and interpersonal skills under the banner of these professional societies. The department also interacts regularly with Information Technology organizations like TCS, IBM, Sun Micro Systems, L&T, Infosys, HCL, Tech Mahindra, Dell-EMC, R Systems International etc. for providing latest technology updates to the students.

MRIU has collaborated with IBM to jointly offer B.Tech-Computer Science & Engineering programmes with specialization in Cloud Computing, Business Analytics & Optimization, Cyber Security & Forensics and Graphics & Gaming. The subject matter experts from IBM technology teach the faculty members on cutting edge technologies through train the Teacher programmes. IBM provides Learning Management System, Industry Projects for students, Expert Lectures, Industry connectivity for students & teachers to enable them to experience the live IT Environment. This partnership help students to acquire domain skills in the most advanced areas of IT and preferential placements by IT companies. Students enrolled in these programmes have access to an online Eco-system Platform namely Innovation Center for Open Standards enabling them to access course material, discussion forums, student projects, industry mentors and news-clips.

Students enrolled in these programmes undertake live projects developed by IBM/ other IT majors under the mentorship of industry experts and go for industry visits in software development and testing centers.

They also attend one week extensive training programme at Bangalore in IBM facilities at their cost in which hands on training is provided by IBM and other IT company experts. IBM shall also issue certificates for various modules after successful completion in addition to the MRIU Degree. The Programmes in association with IBM lead to big increase in job opportunities and industry readiness for the students.

Approximately 25% of the credits shall relate to the specific specialization in a particular programme and replace certain courses covered under normal B.Tech. CSE Programmes.

The department has also collaborated with other leading industries in order to give exposure to the students. TCG Digital solutions private Limited will set up virtual Cyber Security platform lab for training the students in the area of cyber security. The department also has collaborations with Infosys, Dell-EMC & R-Systems International Ltd. These collaborations help the students to work on the technologies which are currently being used in industry.





## PROGRAMMES OFFERED

- B.Tech - Computer Science & Engineering (4 Year /3 Year with Lateral Entry)
- B.Tech- CSE with specialization in Cloud Computing in association with IBM (4 year/3 year with Lateral Entry)
- B.Tech- CSE with specialization in Business Analytics & Optimization in association with IBM (4 year/3 year with Lateral Entry)
- B.Tech- CSE with specialization in Cyber Security and Forensics in association with IBM (4 year/3 year with Lateral Entry)
- B.Tech- CSE with specialization in Graphics and Gaming in association with IBM (4 year/3 year with Lateral Entry)
- M.Tech - Computer Engineering (2 year)
- M.Tech - Computer Engineering with specialization in Computer Networking (2 year)

The detailed semester-wise course structures along with study schemes for the programmes are available on MRIU website.

## THRUST AREAS

Cloud Computing, Virtualization, Big Data, Robotics, Internet of Things, Wireless communication, Speech Processing, Machine Learning, Computer Vision, Pattern Recognition, VLSI, Embedded Systems, Bio-Informatics, Soft Computing, Algorithms, DBMS, Computer Architecture, Artificial Intelligence, Software Engineering, Fuzzy Logic, Operating Systems, Data Mining.

## PLACEMENT OPPORTUNITIES

Over the last few years the Department has seen excellent placement with over 90 % of its eligible / willing students placed in companies namely Microsoft, Infosys, TCS, Cognizant, Wipro, L&T Infotech, HCL, IBM, Hewitt, Satyam, Tata Telecom, NIIT, Dell, Capital IQ, Vodafone, Airtel, Idea etc. With the introduction of specializations in B.Tech. CSE programmes, placement opportunities for pass-outs will get enhanced in a big way.

Placement opportunities are also available in DRDO, Armed Forces, IES, Civil Services, ISRO, BSNL, ONGC, NIC, Railways, Technical Universities and the banking sector.

## AWARD WINNING COMPETITIONS AND PROJECTS 2015-2016

- B. Tech 2nd year students, Yuvraj Singh Senger, Mayur Gupta and Aayush, participated and secured third position in the event 'Mauler' at National Students' Space Challenge, 2015, held at IIT Kharagpur.
- B. Tech 2nd year student Ms. Shruti Iyer won the second prize in the programming contest <CODEIT/> 1.2, where she developed a "Wireless Mouse by BBC Computer World".
- Award Winning Projects

Name of the Project	Students involved in the Project		Brief Summary	Appreciation/ Position/ Award Won
	Name	Semester/ Branch		
Game called 'Tydee'	Nikhil Dalmia	2nd Sem/ M.Tech. CSE	Team Aethers' Game is called "Tydee" where an alien takes up the task of cleaning the Earth. Teaching the young minds the importance of segregation and recycling in a fun way was the motive of the game.	National Winners of Microsoft Imagine Cup 2015.
Human Eye Motion Detection System	Kartik Chawla & Gunveer Singh	8th Sem/ B. Tech. (CSE)	The computers will be operated with the eye-ball movement that will control the mouse.	First Prize in competition organized by Faridabad Industries Association (FIA)
Media Player Based on Emotion Recognition	Ms Priyanshi Mukherjee & Ravi Rawal	8th Sem/ B. Tech. (CSE)	Songs according to one's emotions will automatically play.	Third Prize in competition organized by Faridabad Industries Association (FIA)

# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



**Dr. Dipali Bansal**  
Professor & Head of Department

**Qualifications:** Ph.D (Jamia Milia Islamia, New Delhi),  
M.Tech (MDU, Rohtak), B.Tech (BIT-Sindri)

**Experience:** 20 Years

**Areas of Interest:** Digital Signal Processing, Bio-signal  
acquisition and automated analysis

The Electronics and Communication Engineering Department at MRIU strives to impart latest knowledge and skills so as to kindle innovation & creativity among students, to establish a culture of research while promoting values, ethics and professionalism, leading to a progressive career in industry & academia globally. The Department has state of the art education aids, visual laboratories and competent faculty ensuring effective teaching learning process to meet the ever growing and changing industrial and business environment. The whole learning process is designed in a way so as to continuously challenge the young minds with ideas, to carry out innovative research through interaction with the research organizations & industry and to provide them avenues for recognition by participation in challenging platforms.

The Department was set up in 1997 and its B.Tech-ECE programme was accredited by NBA twice, in 2004 and in 2007. The Department has a rich tradition in research and teaching. The research interests of the faculty members of the department encompass the wide area of applied and fundamental aspects of Electronics and Communication Engineering including but not limited to Communication Systems,

Microelectronics & VLSI, Digital Signal Processing, Wireless and Mobile communication, Antenna Design and RF&Microwave Engineering. A large number of Ph.D. scholars are currently engaged in cutting edge research in the Department.

The Department has state-of-the-art, well equipped laboratories with adequate facilities catering to the requirements of undergraduates, postgraduates and research scholars particularly in the area of High End Electronic Design, Microcontrollers, Microprocessors, Embedded System Design, VLSI Design, Antenna Design, Microwave, Advanced Communication Systems, Simulation and Digital Signal Processing. In addition to the well-equipped curriculum related laboratories, the Department has strong association with the Research Clusters and various Centers of Excellence in the University.

The Department continuously upgrades the curriculum and teaching inputs taking cognizance of its prime stake holders viz. research organizations, industry, peer community, alumni, parents and students. To give greater emphasis on education methodology, guest lectures, seminars, workshops, personality development

programs, educational tours, industrial visits and quizzes are organized. The department has linkages with industry, leading academic institutes and scientific research organizations like the DST, MoSPI, DRDO, IIT, ISI, SAP, RIL etc. The department has offered consultancy to various industries. The student chapter of Institution of Engineers India (IEI) and ISTE is fully functional in the department.

The Department has the following Knowledge Partners:

- Reliance Jio Infocomm Limited has partnered with the department to offer short term programs and to create a steady stream of students who would be industry-ready. Reliance Jio is setting up a complete Training Centre at the campus and train the faculty members on Fibre Optics technology, Sales and Marketing.
- INTEL Internet of Things (IOT) is a centre for higher education program for conducting FDPs, Events, Workshops on GALILEO and EDISON platform.
- ATMEL India University program for sponsoring labs and organizing FDPs, events, workshops on ATMEGA 168PB and SAM D21 Microcontrollers.





- Texas Instruments (TI) India University Program (Edgate Technologies) for running Teaching Lab Facility
- National Kaohsiung University of Applied Science (KUAS) Taiwan- A student exchange program where-in the selected students shall be provided fully paid two years academic and industrial exposure.

Taking a leaf out of Government's initiative towards Digital transformation, Smart and future ready cities, the department has ventured into a specialization program in Internet of Things (IOT). It is an interdisciplinary program that combines the study of electronic engineering, with an emphasis on computer science, internet technologies, wireless communications, sensor devices, and cloud computing.

### PROGRAMMES OFFERED

- B.Tech- Electronics and Communication Engineering (4 year/3 year with Lateral Entry)

The detailed semester-wise course structures along with study schemes for the programmes are available on MRIU website.

### PLACEMENT OPPORTUNITIES

Placement opportunities are available in Public sector companies like BEL, BSNL, BHEL, NHPC, NTPC, DMRC, C-Dot, HAL, Airport Authority, BARC, ISRO, DoS, DST, NPL etc. Other sectors which offer job opportunities are DRDO, Armed Forces, Railways, Technical Universities, Banking sector and State Electricity Boards. Large MNCs and IT companies namely Infosys, TCS, Wipro, L&T Infotech, HCL, Hewitt, Satyam, Tata Telecom, NIIT, Siemens, Huawei, Ericsson, Ceasefire, Capital IQ etc. are the major recruiters. Students also opt for higher studies and some join the family business. New organizations handling IPR and Patenting also offer job opportunities to our students.

Over the last few years, the department has seen excellent placement with over 80 % of its eligible / willing students placed in the Armed Forces, Public and Private sector corporations including BSNL, NHPC, Infosys, TCS, Ericsson, Maruti, Wipro, L&T Infotech, HCL, Hewitt, Tata Telecom, NIIT, Honeywell, IFB, Sony India, Cognizant, Siemens, Huawei, Nokia, Catalyst Business Solutions, Ceasefire, Capital IQ, Airtel, Data-64 etc.



# DEPARTMENT OF ELECTRICAL ENGINEERING

**Dr. Anita Khosla**

Associate Professor and Head of Department

**Qualifications:** Ph.D(Control System), B.Tech, M.Tech

**Experience:** 22 Years

**Areas of Interest:** Control System, Power Electronics

The Electrical Department (previously Electrical & Electronics) commenced its activities in 2007. This Department has adopted a teaching programme to develop in each student the mastery of fundamentals, motivation for learning, intellectual efficacy and self-reliance which provide the best foundation for continuing professional achievement. This shall prepare the students to deal constructively with issues and problems anticipated in the coming decades relevant to the technological development of our country in general and power/ energy sectors in particular.

The department has entered into collaboration with Mitsubishi Electric India, a global leader in Electric equipments. An Advanced Automation (Factory Automation) lab has been set up in the department to train the students and faculty on Automation. The training will provide ample employability opportunities for students and consequently better careers. Moreover, faculty members and students attend webinars hosted by MEI resource persons on regular basis.

The department has also signed a MoU with Su-Kam Power systems Pvt Ltd to jointly offer B.Tech in Electrical Engineering Program with assured placement to the students with a minimum package of Rs 3.4 lacs/annum. To facilitate the same a "Centre of Excellence of Power Electronics" has been established in the EE department.

Recently, we have also entered into a MoU with Orient Electric Ltd, Faridabad to carry out consultancy projects. Expert faculties of the department are currently working on projects of Orient Electric Ltd.

All the above tie ups will enable us to bridge the Industry - Academia Gap. The infrastructure and lab facilities in the department are upgraded from time to time to provide adequate opportunities for the students and researchers to learn and innovate. Major softwares available for Research/ B. Tech. and M. Tech. Projects include Lab View, Matlab, Simulink and Digsilent for Loadflow Studies and Power System Simulation. Necessary equipments are available for measurement, characterization and synthesis of Electrical, Electronics and Instrumentation Systems.

The major laboratories are: Electrical Machines, Instrumentation, Power Electronics, Network Theory, Control Systems, Power System, Simulation and Project Lab.

The department has highly qualified and experienced faculty drawn from both industry and academia. Academic growth of faculty is encouraged through their participation in various short term courses, National/ International conferences and seminars and higher studies.

There is a student chapter in association with Institute of Engineers (India) in the department. Various events like technical quiz, seminars, paper presentation etc. are organized under its umbrella.

## PROGRAMMES OFFERED

- B.Tech. in Electrical & Electronics Engineering (4 year/3 year with Lateral Entry)
- B.Tech in Electrical & Electronics Engineering (Lateral) (3 Year)
- M.Tech. Electrical & Electronics Engineering with specialization in Power Systems and Electrical Drives (2 Year)

The detailed semester-wise course structures along with study schemes for the programmes are available on MRIU website

## PLACEMENT OPPORTUNITIES

Electrical Engineers are much in demand in India, offering numerous opportunities to electrical engineers. These engineers can work in atomic power plants, hydel or thermal power plants, railways, civil aviation, electricity board and utility companies, electrical design and consultancy firms and all types of manufacturing industries. The candidates can also find job opportunities in Production plants, Design industries, Petroleum industry, Natural gas plants etc. in the private sector as well. Companies like ABB, Bajaj International Private Ltd, Crompton Greaves Limited, Siemens Ltd, Reliance Power Ltd, Oil and Natural Gas Corporation (ONGC), Bharat Heavy Electricals Limited (BHEL), Steel Authority

of India Limited (SAIL), Coal India Limited (CIL), Power Grid Corporation of India Limited (PGCIL), Centre for Electronics Design and Technology and Wipro Lighting are the biggest employers hiring Electrical Engineers.

Some of the companies who regularly recruit electrical engineers are:

- Power Grid Corporation of India Limited (PGCIL)
- Bharat Electronics Limited (BEL)
- National Thermal Power Corporation (NTPC)
- Bharat Heavy Electricals Limited (BHEL)
- Steel Authority of India Limited (SAIL)
- Oil and Natural Gas Corporation (ONGC)
- Coal India Limited (CIL)

The passouts can join as graduate engineer trainee/management trainee in many premier Educational & Research Institutions. One can even apply for the Indian Engineering Services Examination after B.Tech. Apart from this, students also go for higher education and entrepreneurship. Over the last few years, around 60% of our students have been placed in public and private sector corporations including IES, Indian Army, Coal India Ltd., BARC, TCS, Wipro, L&T Infotech, Luminous Power Technology Andrew Hydro, Honeywell, Ceasefire, Avery India, Omaxe Auto and Debbas Prime Solutions etc.







## DEPARTMENT OF MECHANICAL ENGINEERING

**Dr. Manoj Nayak**

Associate Professor & Head of Department

**Qualifications:** BE (Mech), M.Tech, Ph.D (NIT)

**Industrial Experience:** 07 Years

**Academic Experience:** 14 Years

**Areas of Interest:** Conventional & Unconventional Machining

The Mechanical Engineering Department was established in 1997. It has grown in stature over the years considering its performance and achievements. The B.Tech.-Mechanical programme offered by the department has been accredited by NBA twice, firstly in 2003 and then in 2007.

Mechanical Engineering being very versatile branch remains the most preferred programme for admission seekers. The department offers following programmes at Graduate / Post Graduate level apart from Ph.D degree.

### PROGRAMMES OFFERED

- B.Tech in Mechanical Engineering (4 Year/3 Year with Lateral Entry)
- B.Tech in Mechanical Engg. (Industry Integrated) (4 Year/3 year with Lateral Entry)
- M.Tech. Mechanical Engg. ( 2 Year)

The detailed semester-wise course structures along with study schemes for the program are available on MRIU website.

B.Tech. - Mech Engg. (Industry Integrated) programme is jointly offered with the JBM Group of Industries in which academic delivery shall also be made by Industry Experts in 3rd and 4th year. Program includes 6 months structured industrial training and the key features of this program are (i) Industry engagements from first year onwards (ii) Pedagogy aligned with the industry environment (iii) Industry integrated projects (iv) Assured placement with offer letter being given at the time of admission.



JBM Group, a \$1.35 billion conglomerate is the India's leading business house with interests in automobiles, engineering & design services, renewable energy and education sectors. Founded by Shri. S.K. Arya in 1983, JBM Group is a global enterprise headquartered in New Delhi, with an infrastructure of 35 manufacturing plants and 4 Engineering & Design centres across 18 locations

globally. JBM is a Tier-1 component supplier to Maruti Suzuki, Mahindra & Mahindra, Honda Motors, General Motors, Ford, Fiat, Renault-Nissan, Volkswagen, Tata Motors, Toyota, Hero Moto Corp, TVS Group, Yamaha, Ashok Leyland, Volvo-Eicher and JCB. JBM Group has two listed entities, namely, Jay Bharat Maruti Ltd and JBM Auto Ltd.

The Group boasts of alliances and associations with internationally renowned companies like Arcelor Mittal, Cornaglia, Dassault Systems, JFE Steel Corporation, Magnetto (CLN Group), Ogihara, and Sumitomo Corporation. Each alliance has been given the independence to chart its own future and simultaneously leverage synergies across its competencies.

Recently, a MoU has also been signed with Orient Electric Ltd, Faridabad to carry out consultancy projects. Expert faculties of the department are currently working on projects of Orient Electric Ltd.

### PLACEMENT OPPORTUNITIES

Indian Society of Heating, Refrigerating and Air conditioning Engineers (ISHRAE) has chosen Manav Rachna International University, (Mechanical Engineering

Department) for organizing "Job Junction" of Northern India Zone in the MRIU campus. In the "Job Junction" students of all the colleges / universities of Northern India having ISHRAE membership are invited for appearing in selection for different companies. This event has become an yearly event in MRIU for providing jobs to our final year mechanical students.

This year the same was organized from 18th to 20th October, 2016. Students were placed in companies of Heating, Ventilation, Air-conditioning (HVAC) sector like Blue star, Voltas, Daikin, Hi-Tech, Carigaire Restiflex, Sterling and Wilson, Kiroloskar, Ruskin Titus etc. visited our campus. The salary package varied between 3 lacs to 6 lacs per annum depending on the company.

The Corporate Resource Centre (CRC) which looks after the placement activities has a good record of placing Mechanical Engineering students. Our past students have been absorbed in Industry giant like Maruti, JBM, TCS, Tech Mahindra, Accenture and a number of other organizations.





## SCHOOL OF APPLIED SCIENCES

### Dr. Devi Singh

Associate Professor & Head of Department

**Qualifications:** Ph.D (Delhi University),  
M.Sc. (Delhi University)

**Experience:** 15 Years

**Areas of Interest:** Material Science, Polymer Fibres

The school of Applied Sciences and Mathematics functions as an Academic Facilitation Unit within FET in which courses like Applied Physics, Applied Mathematics, Industrial Chemistry, Holistic Wellness & Life Skills, Professional Communication and Environmental studies are offered primarily to 1st Year B.Tech students. Some of the courses are also offered during the higher semester which includes Numerical Methods and Optimization Techniques, Industrial Management & Entrepreneurship, Quantitative Aptitude, Quantitative Aptitude and Personality Development, Soft Skills and Foreign Languages in addition to electives. Beside these courses, the departments under this school namely Department of Physics, Department of Chemistry and Department of Mathematics also offer postgraduate Programmes.

Courses offered in these departments build foundations for engineering knowledge and skills in the respective disciplines.

Applied Physics provides a sound science base for all engineering disciplines during I and II semester. Industrial Chemistry has contributed significantly to engineering fields like polymer technology, material science, industrial waste management etc. Environmental Studies sensitize the students regarding the current environmental issues and awareness regarding the ways to protect and create a culture of green environment. Applied Mathematics is all pervasive and no field of engineering is complete without it. Students are therefore given a thorough grounding in Mathematics during first year and advanced subjects in subsequent years.

On the whole, the students in the first year are trained to explore, to innovate, to analyze and to acquaint themselves with the applications of basic sciences in engineering and technological areas. The students are individually encouraged to perform experiments & handle the instruments.

The departments have well equipped laboratories with modern facilities including R&D lab. In addition, the first year students under the guidance and control of the Applied Sciences are exposed to the following laboratories of the other departments, namely, Computer Programming Lab, Computer Aided Drafting, Workshop Practices-I and Workshop Practices-II.

All the departments have highly qualified, experienced and dedicated faculty which helps in creating an exciting academic and research oriented environment. In order to inculcate research aptitude, skills and synergy among first year B. Tech students and faculty, Workshops and Conferences are conducted from time to time in the departments. From the first year itself, the institute tries to infuse self confidence in the students and help them to develop the skills and demeanor of lifelong learning so that they become academically competent and capable of facing the future with resilience and optimism.

## DEPARTMENT OF PHYSICS

Department of Physics offers an opportunity to B. Tech. students to understand the fundamentals of basic physics that underlies most developments in engineering. Emphasis is given on hands-on experience of modern experiments of Physics and an excellent preparation of students for a broad range of careers.

The department has highly competent and experienced faculty members who are involved in research activities in various fields of Solar Energy, Material Science, Plasma Physics, Nanotechnology and Polymers. About 71 research papers have been published in reputed National/ International Journals and conferences. 8 students are registered in the department for their Ph.D. work in various areas of research. Last year, the Faculty has published 7 research papers in International and National Journals and Conferences. The Department has a fully equipped Physics Laboratory with major facilities such as Fiber Optics Setup, Laser Setup, Hall Effect, Carey Foster Bridge and Four Probe Apparatus.

### PROGRAMMES OFFERED

Ph.D Programmes in Solar Energy, Material Science, Plasma Physics, Nanotechnology and Polymer fibres.





## DEPARTMENT OF MATHEMATICS

**Dr. Vijay Kumar**

Associate Professor & Head of Department

**Qualifications:** Ph.D (Applied Mathematics), M.Sc. (Maths.)

**Experience:** 15 Years

**Areas of Interest:** Fuzzy Information Theory, Decision Making

Department of Mathematics offers an opportunity to B.Tech. and M.Tech students to understand the charm of digits and equations. Mathematics is a foundation course to provide mathematical background to the students so that they are able to understand the engineering subjects. The department teaches various topics in mathematics to undergraduate and postgraduate students of different engineering departments. The department has experienced and research oriented faculty members who are involved in research activities in different fields of applied and pure mathematics like Bio-mathematics, Fluid dynamics, Real Analysis, Topology, Fuzzy theory, Fixed point theory, Numerical Analysis etc. Faculty members have contributed more than 70 publications in referred National/International Journals and conferences. 9 Ph.D. students are registered under faculty members of the Department.

### PROGRAMMES OFFERED

Ph.D. programmes in different research areas like Bio-mathematics, Fluid dynamics, Real Analysis, Topology, Fuzzy theory, Fixed point theory, Numerical Analysis etc.



## DEPARTMENT OF CHEMISTRY

**Dr. Jyoti Chawla**

Associate Professor & Head of Department

**Qualifications:** Ph.D (Chemistry), NET Qualified

**Experience:** 12 Years

**Areas of Interest:** Water Purification, Risk Assessment of Nanomaterials, Surface Chemistry

Department of Chemistry, right since its inception, is studded with highly qualified, experienced and research oriented faculty members. The academic activities of the department emphasize on the understanding of the fundamental principles of Industrial Chemistry and Environmental Science in various fields of Engineering for B. Tech students. Departmental Laboratory is well equipped with modern equipments.

Faculty members have contributed more than 163 publications in reputed National/International journals and conferences.

9 Ph.D students are enrolled in the department in different areas of research. Two AICTE sponsored research projects worth Rs 14 Lakhs on "Bio-diesel Purification" and "Development of Composite Polymer Electrolyte films" have been successfully completed by the department. Faculty members have published 13 papers in National/International Journals and conferences during the last year.

The department has a fully equipped Chemistry Lab and R & D Lab with major

equipments which include Spectrophotometer, Potentiometer, Conductivity meter, pH meter, Red Wood Viscometer, Pensky Marten's Apparatus, Cyclic Voltammetry system.

### PROGRAMMES OFFERED

Department offers Ph.D. programmes in different research areas like Composite Polymer Electrolytes for Electrochemical Batteries, Bio-diesel Purification, Solar Stills, Synthetic Organic Chemistry, Nanotechnology, Colloidal Chemistry, Corrosion Chemistry, Analytical Chemistry, Water Purification, and Bio-catalysis.



## FACULTY OF APPLIED SCIENCES (FAS)

**Dr. G.L. Khanna**  
Professor & Dean

**Qualifications:** B.Sc. (Hons)-Human Physiology,  
M.Sc.-Human Physiology, Ph.D

**Experience:** 31 Years

**Areas of Interest:** High Performance Sports physiology,  
Ergonomics, Hydration

The present era is marked by specialization, technological innovations, intra-disciplinary amalgamation and interpretation. To cater to the emerging needs of the changing world, Faculty of Applied Sciences offers Under Graduate, Post graduate and Research programmes in Physiotherapy, Nutrition & Dietetics and Medical Lab Technology. The Post Graduate programme in Physiotherapy offers specialization in Sports, Musculoskeletal, Cardio-pulmonary and Neurology. The Post graduate programmes of Nutrition & Dietetics offers specialization in Clinical Nutrition, Sports Nutrition, Food Science

and Technology and Public Health Nutrition, all of which have vibrant scope in clinical as well as industrial setting. These programmes provide in-depth study and comprehensive practical as well as professional knowledge of immense value in view of global acceptance. The Faculty of Applied Sciences boasts of practical based curriculum, backed by state-of-the-art laboratories, sound infrastructure as well as innovative & interesting learning procedures.

The intellectual capital of FAS is highly qualified, well experienced and research oriented. The faculty members actively

participate in academic activities other than teaching and research engagements and extend every support in organizing academic and professional activities of high credentials from time to time. FAS maintains active interface with the public and private entrepreneurs of health industry and other promotional organizations to understand the future needs and demands.

The Faculty of Applied Sciences looks forward to welcome aspiring students who want to make a bright career in these spheres & I extend my best wishes to them.

### ABOUT FACULTY OF APPLIED SCIENCES

The Faculty prides itself on creating an environment of substantial academic freedom overlaid by rigorous, self-imposed standards of excellence and socially responsive practices. We at FAS, willingly submit ourselves to a unique, rigorous, open, and continuous process of appraisal and feedback from the students. Our faculty plays a hands-on role in the governance of the teaching methodology and assumes total ownership of collective decisions, while keeping themselves abreast of current developments in the related fields of Physiotherapy, Nutrition & Dietetics. Faculty of Applied Sciences brings out MR International Journal of Applied Health Sciences - a broad ranging interdisciplinary journal focusing on the changing Scenario of health related issues in the modern society. The journal continues to provide an international forum for original articles and reviews.

### RECENT ACADEMIC ACTIVITIES AT FAS IN 2015-16

(APCESS 2015): Faculty of Applied Sciences organized the 7th APCESS 2015, the bi-annual conference of the Asian Council of Exercise and Sports Science (ACCESS) from October 14th to 16th, 2015. The conference theme was "Interdisciplinary Applied Approach to Health and Performance Enhancement through Sports Science". Around 990 delegates and renowned speakers from more than 40 countries / regions participated and deliberated over various issues of Sports Science & technology and physical education. The interactions covered recent approaches in Sports development through sports sciences, Health and yoga, Emerging trends in latest technology in sports, Biomechanics, Sports Philosophy, Sports Pedagogy, Sports Marketing, Sports Nutrition, Sports Physiotherapy, Ergonomics and Prosthetics Adapted Physical Education, Dope control, Indian Culture to physical Activity and Sports. Approximately 20 young research scholars from a number of countries like China, Croatia, Czech Republic, Germany, Malaysia, Serbia, Singapore, South Korea, Thailand, Turkey, Zimbabwe associated with APCESS as Future Leaders.

Additionally Faculty of applied Science conducted workshops and seminars on various health related issues as under:

- International Workshop on Physiological basis of Training & Exercise Prescription
- International Seminar on Contemporary Perspectives on Health
- International Seminar on Growth & Development
- International Conference on Neurological Rehabilitation: Indo Japanese Conclave-2: Connecting the Connections
- International Seminar on 'Use of Technology in Combating Obesity among Children, Youth and the Community'
- International Workshop On Sports Training
- Workshop On Shoulder Joint Advances And Therapeutics
- A Series of Workshops on Isokinetic Dynamometer training.
- First ever International hands on workshop on Spinal Mobilization: Osteopathy & chiropractic Techniques
- First ever International Kinanthropometry Certification Course- ISAK-Level-1 & 2
- Workshop on Neural Tissue Mobilization Techniques
- Pre- Neuraxis International Workshop on Therapeutic Applications of Electrical Stimulation and Functional Electrical Stimulation (FES)
- International Workshop on Yoga Therapy at Finland University.



## INTERNATIONAL TIE-UPS

Faculty has academic and research collaborations and Faculty/student exchange Programmes with several universities around the Globe, such as

- Lahti University of Applied Sciences, Lahti, Finland
- Leeds Metropolitan University, Leeds, U.K.
- Universiti Sains, Malaysia
- Teesside University, U.K.
- Universiti Pendidikan Sultan Idris, Malaysia
- Tsukuba University, Japan
- GERLEV PHYSICAL EDUCATION & SPORTS ACADEMY, DENMARK

## CLINICAL TRAINING PARTNERS

Students of Physiotherapy and Nutrition & Dietetics undergo internship/training at the prestigious hospitals and institutions

- Metro Hospital, Faridabad
- Batra Hospital, Delhi
- Research & Referral Army Hospital, Delhi.
- St. Stephens Hospital, Delhi
- VIMHANS Hospital, Delhi,
- Bara Hindu Rao Hospital, Delhi
- Holy Family Hospital, Delhi
- ESI, Basai Darapur, Delhi
- Asian Institute of Medical Science, Faridabad
- Institute of Brain & Spine, Faridabad,
- Sarvodaya Hospitals, Faridabad.
- PGI, Chandigarh
- Fortis Escorts, Faridabad
- Fortis Escorts, New Delhi
- Sunflag Hospital, Faridabad
- Primus Hospital, New Delhi
- Columbia Asia Hospital, Gurgaon
- Jaipur Golden Hospital, Delhi
- Majidia Hospital, Delhi
- Artemis Hospital, Gurgaon
- Apollo Hospital, New Delhi
- Paras Hospital, Gurgaon
- Medanta Medicity Hospital, Gurgaon
- Kailash Hospital, Noida
- Metro Heart Hospital, Faridabad

## COMMUNITY SUPPORT SERVICES

The FAS regularly organizes community Health Camps, Awareness weeks, Community Visits and physiotherapy and nutrition support at various events as part of Corporate Social responsibility. The students guided by faculty provide free assessment, counseling and treatment facilities and advice on various lifestyle related and postural disorders. To emphasize the importance of health and create awareness among students World Physiotherapy Day, National Nutrition Week, Osteoarthritis Week, Geriatric Week etc. are celebrated by organizing health talks and camps.

## CLINICAL SERVICES

### Out-Patient Clinical Services

The outpatient department has a busy practice catering patients from all over Haryana, NCR and from various sports teams. The OPD is very well equipped with sophisticated instruments and supported by our experienced clinical staff.

The Department runs specialized OPD in the form of

- Cerebral Palsy Clinic
- Stroke Clinic



- Geriatric Clinic
- Sports Injury Clinic
- Obesity Clinic
- Prosthetic and Orthotic Clinic

### Clinical Research

State-of-the-art labs to perform in depth assessment & analysis of

- Sports and Exercise testing Lab
- Neuro physiotherapy Lab
- Muscle Performance Lab
- Prosthetic and Orthotic Lab

All labs are supported by well equipped therapeutic gymnasium. The FAS conducts both basic and applied research in the aforementioned areas. Currently many diverse research projects have been undertaken in many different spheres for the development of professionals and disciplines.

Over 100 research articles have been published in national and international journals in the past 3 years.

## PLACEMENT OPPORTUNITIES AT FAS

- Multi Specialty Hospitals/ Nursing Homes/ Rehabilitation Centres
- Team Physiotherapist in various sports & Sports & fitness Centres
- Research and development works in the pharmaceutical companies and institutional laboratories
- Teaching Faculty in Colleges and University.
- Schools for mentally retarded and physically disabled children
- Defense medical establishments
- Medical Underwriting
- Excellent jobs opportunities in countries like USA, Australia and Canada.
- Health departments
- Self Entrepreneurship
- Airlines and Railways
- Counselors in Schools
- Non-Governmental Organizations
- Food Industry
- Consultant for Multinational Companies
- Quantity food service establishments
- Health and wellness industries
- International Organizations (UNICEF, UNDP, WHO)

100% on Campus Placement assistance is provided. Alumni are placed with AIIMS, Batra Hospital, Bharti Enterprises, Apollo Hospital, Qi Spine, Religare, United Health Group, Career Gateway, Jindal Industries, Genpact, VLCC, Nutrilife and other leading Government and private Hospitals.



## DEPARTMENT OF PHYSIOTHERAPY

**Dr. Pooja Anand**  
HOD, Physiotherapy  
**Qualifications:** MSPT, MIAP  
**Experience:** 12 Years  
**Areas of Interest:** Exercise Physiology &  
Sports Rehabilitation

Department of Physiotherapy, Faculty of Applied Sciences at Manav Rachna International University has set a benchmark in the academics, clinical practice and research in Physiotherapy. The Faculty of Applied Sciences has been successfully running Undergraduate, Postgraduate and Ph.D Programmes in Physiotherapy keeping in view the recent advances in the Physiotherapy curriculum and research. The department is well supported by well equipped physiology, Anatomy, Biochemistry, Exercise Therapy, Electrotherapy Manual Therapy and Isokinetic labs to provide students ample practice of tests and procedures.

To keep up with the latest trends and skills, the department organizes the workshops, CME and hands on Programme for professional and intellectual development on regular basis. Our students get ample

international exposure in the form of workshops, seminars and sponsored trips to various academic institutions in different parts of the world which has helped our students to get placed in the top institutions. Many of our students are excelling outside India in various specialized departments.

### PROGRAMMES OFFERED

- Bachelor of Physiotherapy (B.P.T)- 4½ Year full-time (Regular course divided in eight semesters with six month internship)
- Master of Physiotherapy (M.P.T) - (2 Year) With specializations in Musculoskeletal, Sports, Neurology and Cardiopulmonary physiotherapy.

The detailed semester-wise course structures, designed on CBCS pattern along with study schemes for the programmes are available on MRIU website.

### STUDENT PARTICIPATION

- Student Exchange Programme with Lahti University Of Applied Sciences, Lahti, Finland
- Participation of Students in Scholarship Programmes offered by Tsukuba Summer Institute at the Tsukuba University, Japan
- MPT and BPT students exchange Programme with Leeds Metropolitan University, Leeds, England
- Regular Participation of MRIU Students at International Physiology Quiz at University of Malaya.
- MRIU students placed as Dope Control officers at National & International events.





## DEPARTMENT OF NUTRITION AND DIETETICS

### Dr. Pratibha Singh

Associate Professor & Head of Department

**Qualifications:** M.Sc., Ph.D

**Experience:** 16 Years

**Areas of Interest:** Clinical Nutrition and Community Nutrition

Nutrition and Dietetics is a health related career which involves translating the sciences of nutrition and food to promote good health. It is a vital and growing profession with ample career opportunities. Dietitians and Nutritionists have an aptitude for science, and an interest in nutrition and food. Nutrition and Dietetics is a challenging biological field. The course integrates the theoretical knowledge of acute illness, metabolism, and nutrition with practical aspects of nutrition support. The curriculum includes a wide choice of papers for students through Credit Based System (CBS). The internship/training program with various hospitals and food industries provide opportunities to practice and master the core competencies for practice to place its students in coveted jobs. The Master's program in this discipline, introduced in 2009 aims at developing research skills and abilities in nutritional issues of contemporary interest.

The highlights of this course at Faculty of Applied Science is focused on teaching, strong research and outreach in Clinical Nutrition, Sports Nutrition, Food Science and Technology, and Public Health Nutrition. The Department offers a plethora of Academic and Co-curricular activities at various platforms be it a school, community or corporate like NTPC, ONGC, IBM that shapes students' careers and make them distinct from others in their chosen field of specialization.

The Programme has been designed to build and enhance skills of the students to meet industry requirements and also offers students a Dietetic Internship in various multi specialty hospitals/ Industrial Training Programme .The Department pays special attention to Industry-University Collaboration to leverage student's placements, Joint R&D Projects with various National and International Organizations. Being a member of the Indian Dietetic Association (IDA) and Nutrition Society of India (NSI), all faculty members and students play a very active role in their academic and industrial Programmes.

- Food Analysis-Development of new food products along with organoleptic evaluation.
- Research into the role of food in promoting and sustaining health with respect to diet and nutrition, consumer choice and public health.
- Assessment of KAP (Knowledge, Attitude and Practices) Regarding Safety and Quality of Foods to assess consumer awareness.
- Nutrition education intervention Programmes to assess the efficacy of the Information, education and communication (IEC) material developed to educate the population of all age groups.
- Develop and provide best possible tools for dietary surveys.
- Develop and test interventions to bring dietary improvements in the general population and in risk groups.
- Inform and develop dietary recommendations in order to improve nutritional well-being: Diet and Cardiovascular Health, Diabetes, Nutritional Status and Function, Diet and Health.

Association with Industry: Post graduate students associated with hospitals and other organizations are working as nutritionists/ Dieticians/ Consultant Nutritionists on project basis getting hands on practical training with national and international organizations like UNICEF, Saffola, IBM, Nestle etc

Industrial visits and guest lectures: Industry-Institute interaction is an important aspect of our curriculum. The Department arranges student's visits to different corporate giants like DIPAS, Yakult, Mother Dairy, Tilda rice, Haldirams, Flight Kitchen, Britannia, Chintamani etc. These industrial visits provide hands-on practical exposure and help in multi-dimensional development of the students, giving them the edge over others in terms of industrial exposure. The Department also organizes various events in association with reputed organizations besides professional association with Indian Dietetic Association (IDA), Nutrition Society of India (NSI). It also invites knowledgeable people from corporate and academics to interact with the students and widen their horizon.





## MEMBERSHIPS

Membership Recognized by Indian Dietetic Association and Nutrition Society of India.

## PROGRAMMES OFFERED

- B.Sc. - Nutrition & Dietetics (3 year) including two month clinical/ industrial training
- M.Sc. - Nutrition & Dietetics (2 year) with specialization in: Clinical Nutrition and Dietetics, Food Science and Technology, Sports Nutrition, Public Health Nutrition
- PhD in Health Sciences

The Nutrition and Dietetics Programme provides a greater understanding of the scientific basis of nutrition and the influence of good nutrition on health. The course has a multidisciplinary emphasis providing a broad base of knowledge and skills. This provides the student with an opportunity to interact with the community and participate in the development process.

**The detailed semester-wise course structures, designed on CBCS pattern along with study schemes for the programmes are available on MRIU website.**

The programme provides professional training and skill enhancement in order to promote and widen employment opportunities. University Corporate Resource Center (CRC) is working endlessly to place students in various reputed firms, companies and health centers. Needless to mention varied challenging Career/ Placement Opportunities are available in:

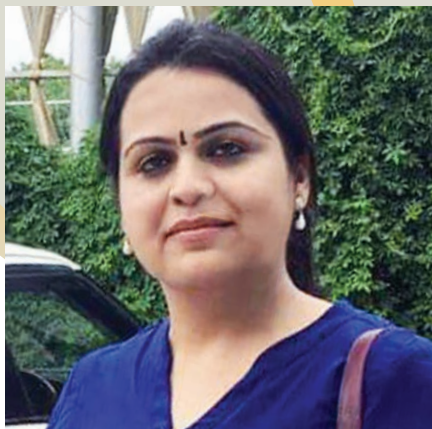
- Public Health Departments
- International Organizations (UNICEF, UNDP, WHO)
- Hospitals
- Non-Governmental Organizations
- Health Organizations

- Ambulatory Care Programs
- Community Development Programme.
- Consultant for Multinational Companies
- Food Industry
- Pharmaceutical companies
- Quantity food service establishments
- Sports and fitness centres
- Health and wellness industries
- Airlines and Railways
- Counselors in Schools
- Academicians
- Researchers in government and private institutions etc
- Private Practice

## OUR RECRUITERS

- Sports Authority of India
- Haldiram's
- Shikha Sharma Nutri health
- VLCC
- Talwarkars
- N-Lite
- Hindustan Wellness
- Dr. Lal Path labs
- Gaurdian Pharmacy
- Personal Point
- Multi Speciality Hospitals
- British Biological
- Total Health
- Fitness First
- Spice Industry





**Dr. Ekta Chitkara**

Associate Professor & Head of the Department

**Qualifications:** M.Sc., Ph.D (Medical Biochemistry)

**Experience:** 12 years

**Publications:** 15

**Areas of Interest:** Medical Biochemistry

One of the largest and important wings in modern healthcare Sector. With the advancement of medical science, the requirement of skilled manpower has increased sharply. For accurate diagnosis of a disease, doctors need the help of the medical laboratories. Hence the role of the Medical Lab Technologists in diagnosis, treatment and prevention of disease, needs no emphasis.

By undertaking the Program the student is enabled to handle all testing procedures conducted in a medical laboratory. Skills in diagnostic procedures in routine medical check-up of patients are imbibed by the students during the BMLT program.

The programme aims at imparting knowledge and the expertise in handling the latest sophisticated state - of - the - art medical equipment to obtain accurate readings and also interpret the result that become available after the testing.

Employment opportunities are available in plenty. The student will find ready employment in all types of diagnostic centers both in government and private sector. What is needed is to make concerted efforts to provide with required training to take on the challenging world of health care.

A gap has developed between the requirement and the availability of trained laboratory techniques due to its fast growth

in laboratory, X-Ray and other related fields. To fulfill this gap and to make the young students Career oriented in his / her early age, Manav Rachna International University has introduced the programme to meet the demand of Para medics in this area.

This course aims at developing competence and providing students with facilities for quality education, complete laboratory training and clinical exposure. The University has well equipped high technology laboratories and well qualified faculty who not only impart academics but are also competent to guide students in their quest for excellence.

The detailed semester-wise course structures, designed on CBCS pattern along with study schemes for the programme are available on MRIU website.

## ELIGIBILITY FOR ADMISSION:

All those candidates who have passed the 10+2 with Physics & Chemistry as compulsory subjects and either Mathematics or Biology Examination.

Course Objectives: Medical laboratory technologists do routine laboratory testing under stipulated conditions. Students will be given sufficient training to examine blood, tissue and other body substances, make cultures of body fluid and tissue samples to determine the presence of bacteria, fungi, parasite, or other micro organism. Technologists may prepare specimens and operate machines that automatically analyze samples.

1. To impart in-depth knowledge and skill to a student to become professionally competent in techniques of Medical Laboratory Technology.
2. To perform routine and special laboratory investigations on clinical and non clinical subjects independently.
3. To interpret the results and explain underlined principle of each investigation.
4. To assist and take part in research work.
5. To participate in teaching learning activities.
6. To introduce quality control system in laboratory to have qualitative result.
7. To perform managerial works - supervision of subordinates, or preparation of periodic reports and maintenance of inventory etc.





## COURSE OUTCOMES:

1. Students acquire adequate knowledge of the basic medical subjects required in day-to-day professional activities.
2. They develop the skill and techniques of management and handling of latest Instrumental procedures required in the vastly advancing medical science.
3. Develop proper attitude of compassion and concern for the individual and the community as a whole in patient care.
4. Demonstrate skills in handling instruments, equipments, procedures and methods as are required.
5. Keep pace with newer horizons of Para Medical Sciences developing parallelly with Medical Science.
6. Develop managerial skill with a professional approach as needed in the state of art technology of management of hospitals and medical diagnostic laboratories, etc.
7. To pursue higher education at the master's degree level or can also take up further research work.

## POTENTIAL CAREER OPPURTUNITIES:

1. The medical technologists are integral part of the medical profession. These professionals get involved in practical and technical work to aid correct diagnosis and in the effective functioning of Biochemical Laboratories.
2. The career prospects in this field depend on the academic and technical skills of the technologist. These days with the growth in the private sector there are so many private hospitals, nursing homes, blood banks, pathology laboratories etc. the demand for laboratory technologists is on the up-swing.

3. They can also work as Laboratory manager/Consultant/supervisor, health care Administrator, Hospital Outreach coordination, laboratory information system Analyst/Consultant, educational consultant/ coordinator etc.
4. A certified medical laboratory technician may find a challenging career in a hospital, minor emergency centers, private laboratory, blood donor centers, doctor's office or clinics.
5. A technician can become a technologist through further education and work experience.
6. Laboratory technologists can assist the doctors in taking samples, centrifuging, making slides, using specified stains etc.
7. Laboratory manager/ Consultant/ supervisor, health care Administrator, Hospital Outreach coordination, laboratory information system Analyst/Consultant, educational consultant/ coordinator/ director, health and safety officer etc.
8. In the clinical areas, drug testing, therapeutic drug monitoring and biogenetics are other specialties with openings.

## Tie -Up

### Collaboration with Dr. Lal Path Labs:

We have tie up/MoU with Dr. Lal Path Labs:

- For conducting BMLT program and providing practical exposure to students of BMLT
- To provide internship/summer training to the students of 2nd and 3rd year of BMLT program.
- To recruit students of BMLT as on Job Trainees and providing preferred placement in their centre's after the completion of program.



## FACULTY OF COMMERCE AND BUSINESS STUDIES (FCBS)

**Dr. Suresh Bedi**

Dean, FCBS and Director, IQAC

**Qualifications:** MA (Economics), M.Com, Ph.D

**Experience:** 40 Years

**Areas of Interest:** Research Methodology, Business Environment and International Business and Business Economics

In the present economic scenario, all the countries of the world are interconnected and dependent intimately on each other for development. Since all economies are moving forward, hand in hand, and striving hard for economic prosperity, the variety of the jobs and specializations required have grown enormously not only within the country but across the globe. To be able to grab this ever growing opportunity, the present-day student is required to be well informed on all aspects of the development to stay competitive.

With this end in view and to produce students of top caliber and confidence, we at MRIU are sincerely treading this path with attractive and appropriate technical and professional courses. Our over-riding objective, across all disciplines, is to foster a love for learning and to stimulate creativity, intellectual curiosity and independent thinking. During planning, teaching and assessing, due diligence is devoted to students individual grasping and learning habit to make the curriculum as effective as possible. In the delivery of curriculum, due emphasis is laid on the development and use of critical thinking skills.

Faculty of Commerce and Business Studies (FCBS) is one of the oldest departments of the university engaged in teaching and research in Commerce and Business Studies. Incepted in 2009 as Faculty of Business Administration and Computer Applications, the faculty was renamed as Faculty of Commerce and Business Studies to reflect its true character. It offers contemporary & cutting-edge programmes in Commerce and Business studies which are in great demand in the market.

Currently, the Faculty consists of two departments, namely, Department of Commerce and Department of Business Studies. The Department of Commerce is already offering B.Com (Hons), B.Com (Hons) Industry Integrated and B.A. Economics (Hons) programmes at the

Under- Graduate level and M.Com programmes at the Post- Graduate level. Simultaneously the department is offering Doctoral programmes in Commerce to fulfill the aspiration of PG students as they wish to go for research. B.Com (Hons) Industry Integrated programme is being offered in collaboration with KPMG to impart practical exposure and professional training to the students.

The Department of Business Studies offers three programmes at the Under- Graduate level, namely, BBA (General), BBA (Banking and Financial Markets), and BBA (Global) International Business. BBA (Banking and Financial Markets) Programme is offered in collaboration with ICICI Direct to give contemporary practical exposure and professional training in the area of banking securities and other financial institutions to enhance competence in the domain areas.

The thrust areas of the department inter-alia include Accounting Standards, Auditing, Mergers and Acquisitions, Financial markets, E-Commerce, Banking, International Business, Business Economics, Economic Policy, Brand Management, Micro Finance etc. All the courses in the Faculty follow choice-based credit system as per UGC guidelines.

The Departments under FCBS have highly qualified faculty with wide industrial/teaching experience and research orientation. The faculty has published research papers in reputed professional journals. The Departments run special Enrichment Lecture Series programme (ELPS) apart from regular teaching. The objective of ELSP is to expose the students through a series of lectures by different experts on the current issues and areas of inter-disciplinary interest so as to broaden their mental horizon, improve general awareness and strengthen critical thinking to excel in their future career.

Academia-Industry Interface development is given utmost importance. A 12-weeks summer training for all the BBA programmes has been embedded in the curricula. The course work is supplemented by industrial visits and lectures from eminent persons from academics/experts from industries and Government. We also arrange educational tours for our students. The students / faculty members jointly organize various activities such as panel discussions, seminars, business news analysis and case discussions to give fillip to their professional knowledge.



The Departments lay great emphasis on practical and interactive teaching and undertake special measures for personality development, leadership qualities, business communication, decision-making, negotiation skills and value creation. Apart from rigorous classroom teaching, the students are given online practical assignments from time to time. There are regular mentoring sessions for each student in which academic problems of students are individually discussed and resolved.

The Faculty has modern classrooms with quality state-of-art audio-visual equipments and computer labs with latest software and equipments. It is in the process of establishing a Finance Lab to give practical training in widely used business and market operations. The entire campus is Wi-Fi enabled with good connectivity. The students have access to world-class library with a catalogue of large number of books, professional journals and other academic material. The departments regularly conduct sessions under Faculty Recharge programme which provides a unique opportunity to the faculty to upgrade and rejuvenate themselves through experiential learning.



**CS (Dr). Monika Goel,**  
**Designations:** Professor & HOD Commerce  
**Qualifications:** M.Com, FCS, NET, Ph.D  
**Experience:** 17 Years  
**Area of Specialization:** Banking, Taxation,  
Corporate Finance & Corporate Laws

Commerce education is one of most demanded courses in the country today as it develops the required knowledge, skills and attitudes among the students for the successful handling of trade, commerce and industry. Department of Commerce works with an aim of fostering in the students an attitude of objective enquiry. The department equips students with latest developments in the field of business and commerce and trains them in the practical application of the same in modern organizations. It seeks to enable them to handle the challenges of growth and transformation of businesses through critical thinking, rational attitudes and quality decision making. It is dedicated to develop the students into responsible citizens of the country with high moral values, understanding the problems of human relationships and the developing a capacity to appreciate the finer values of life.

The Department is committed towards promoting high quality professional accounting standards. The thrust areas of the Department include Accounting Standards, Risk Management, Capital Markets, e-commerce, Economics, Corporate Laws, Taxation and Financial Management. The course is designed to include a diverse range of academic offerings & experience to a multiplicity of paradigms including industrial visits, industry lectures, projects, case-studies and analysis. Students are trained by renowned faculty which seeks to prepare well equipped accountants who can tackle new emerging challenges in the market and to excel in their chosen fields. The department provides more exposure on critical thinking, practical and real

40 Hours Business Process Course of SAP has also been embedded as a part of curriculum for Bachelor in Business Administration (all specializations), B.Com (Hons) & B.Com (Hons)-Industry Integrated to make our students recruitment ready for job opportunities in IT industries and other innovative enterprises. Arming our students with knowledge of SAP technology can give them an extra edge once they leave their institutions and enter the workplace. The program will help to close the SAP skills gap in the information and communication technology market. Other SAP modules relevant to disciplines of engineering and business studies will also be offered at MREI.

We at MREI extend a rousing welcome to the students who have strong ambition to rise to the occasion and reap the best in their life while acquiring the knowledge in the area of learning.

life training. In order to provide hand on experience, a terminal of Bloomberg has been installed and value added courses are being offered on entrepreneurship and capital market in collaboration with BSE Institute Ltd.

Department of Commerce offers its flagship B.Com (Hons.)-Industry Integrated Programme. The Programme embeds KPMG Course for Accounting Professionals (KCAP) consisting of 288 hrs of classroom teaching and 112 hrs of online industry specific study, thereby ensuring placement in Industrial Sector in general and IT/ITES Sector in particular.



## KPMG INTERNATIONAL AT A GLANCE

KPMG international is one of the big four audit firms. It operates as a network of member firms offering audit, tax and advisory services. They work closely with their clients, helping them to mitigate risks and grasp opportunities. Member firms' clients include business corporations, governments and public sector agencies and not-for-profit organizations. They look up to KPMG for a consistent standard of service based on high order professional capabilities, industry insight and local knowledge.

KPMG member firms can be found in over 152 countries. Collectively, they employ more than 145,000 people across a range of disciplines. Sustaining and enhancing the quality of this professional workforce is KPMG's primary objective. KPMG was established in India in September 1993, and has rapidly built a significant competitive presence in the country. The firm operates from its offices in Ahmedabad, Bangalore, Chandigarh, Chennai, Delhi, Hyderabad, Kochi, Kolkata, Mumbai and Pune. Sectors served by KPMG in India and abroad include Defence, Education, Energy & Natural Resources, Financial Services, Government and Public Sector, Healthcare, IT-BPO, Media & Entertainment, Pharmaceuticals, Private Equity, Real Estate & Construction, Telecom, Transportation & Logistics. Further details may be seen at [www.kpmg.com/in](http://www.kpmg.com/in)

## PROGRAMMES OFFERED

- Bachelor of Commerce (Hons) - (3 Year)\*
- Bachelor of Commerce (Hons) - Industry Integrated (3 Year)
- Master of Commerce (M.Com) (2 Year)
- Bachelor of Arts (Hons) - Economics (3 Year)
- Ph.D

**\*NOTE:** B.Com (Hons.) - Industry Integrated Programme includes an additional KPMG Course for Accounting Professionals (KCAP) to be delivered by KPMG experts. B.Com (Hons.) - Industry Integrated includes a value addition of KCAP subjects alongwith B.Com (Hons) qualification.

The detailed semester-wise course structures, designed on CBCS pattern along with study schemes for the programmes are available on MRIU website.

## PLACEMENT OPPORTUNITIES

After qualifying, graduates and post graduates may be employed by MNCs, Business Houses, Manufacturers and Export Houses in finance and taxation departments. They can choose to work with Stock Broking firms, Banks, Insurance Companies and Mutual Funds. Areas like Trading/Selling/Marketing, Government services, Actuarial Services, Consultancy in all fields of Commerce, Own business, Practice in accounts and taxation, Academic positions, e-Business, Stock market operations, Retail sector. Managerial positions in corporate world, CA firm etc. are also open to the qualified students.





## DEPARTMENT OF BUSINESS STUDIES

**Prof. Rakesh Kumar Arya**

Professor & HOD Business Studies

**Qualifications:** M.Sc. (Statistics), MFM, PGD, Ph.D

**Experience:** 34 years

**Area of Interest:** Development Economics, International Business, Security Analysis, International Economics, Financial Management

The Department of Business Studies is established under the Faculty of Commerce and Business Studies. Apart from the regular management subjects which are an integral part of any business oriented course, emphasis is laid on case studies in the respective functional areas, personality development sessions, guest lectures by experts from industry, seminars by the students on wide ranging topics, management games and industrial visits which enable the students in understanding the industry and work environment for comfortable adaptation for their career development. The faculty members of the department are well experienced in motivating the students to gain on strong academic and research background.

Presently, the department is heading towards new horizons under the leadership of the Head of Department of Business Studies. With a vision to improve the flow of managers in corporate sector whose growth is unchecked the role of department may not be overlooked as it is the zeal which motivates us to take the students to greater heights.

Enrichment Lecture Series Programme (ELSP) is a new initiative by the Department of Business Studies. The objective of the ELSP is to expose the students through a series of lectures by different experts, based on current issues and areas of interdisciplinary interest so as to broaden their mental horizon, improve general awareness and strengthen critical thinking which will help in their career progression and to excel in their chosen fields.

More thrust is on developing critical thinking, real life exposure and on practical training. In order to provide hands on experience, research orientation terminal of Bloomberg have been installed in the Faculty of Business Studies. Value Added Courses also being launched for Entrepreneurship and on Capital Market in collaboration with BSE Institute Ltd.

### PROGRAMMES OFFERED

- Bachelor of Business Administration (3 Year)
- Bachelor of Business Administration (Banking & Financial Markets) (3 Year)

• **Bachelor of Business Administration (Global) International Business (3 Year)**  
The detailed semester-wise course structures, designed on CBCS pattern along with study schemes for the programmes are available on MRIU website.

Bachelor of Business Administration (BBA) is the general course in business administration. It is accepted and recognized world-wide because of its general as well as specific orientation. MRIU get overwhelming enrolment of medium & bright students who endeavors to make a mark in the corporate world by delivering their knowledge in field of human resource management, marketing, financial management, entrepreneurship and computer based solutions of many problems in the corporate arena. In the past many students have gone to pursue higher education in management domain and are excelling in their professional space. The course is rigorously pursued to provide evolving practices and knowledge in the field of Business Administration. The students of BBA course are given immense opportunity to grow horizontally in the upcoming contemporary field.

The course structure of BBA (Banking and Financial Markets) programme is same as of BBA- General except one banking related specific subject in each semester which is delivered by ICICI Direct. It is intended to impart specific skills to acquire competence in the complete financial world. Additional courses include:

- Fundamentals of Financial Planning
- Equity and Derivatives Markets
- Fundamentals and Technical Analysis
- Investment Products and Management
- Private Banking
- Project-Report & Presentation

The Course also includes appropriate usage of virtual Stock Trading Platform and M.S. Excel for Practical exposure. Joint Certificate is awarded on successful completion of Post Training Assessment or Certificate of Participation on completion of course with attendance of 90%. Student will be issued any one of the certificates.

The Programme of BBA (Global) International Business is being offered in

collaboration with Auckland Institute of Studies (AIS). Auckland Institute of Studies (AIS), Auckland, New Zealand is a unique tertiary institution providing NZQA Accredited Diploma, UG and PG level Programmes. It also has the largest MBA Programme in NZ. AIS has partnered with MRIU to provide curriculum and accreditation support for BBA-(Global) International Business.

### PLACEMENT OPPORTUNITIES

Graduates are being chosen by MNCs, Business houses, the area of Manufacturing and Export/ Import organizations in Operations Management, Human Resource Management, Financial Management and other allied fields.

These programmes train the students to become global leaders by way of extensive classroom coaching & practical assignments based on industry requirements. The graduates are prepared to work as Managers in Multinational Companies and Indian companies like General Management, Marketing Executive, Human Resource Executive, Business Development Executive, Technical or Non-Technical Support staff at KPO/BPOs, General Administration, Sales Executive, Client Services, Executive Associates, Telesales etc. across industries including Financial Services and Insurance Sector, Supply Chain Management, Customer Relationship Management, Operations Management etc.





## FACULTY OF MEDIA STUDIES & HUMANITIES (FMeH)

**Dr. Neemo Dhar**

**Qualifications:** B.Sc, B.A (English Lit),

M.Sc. (Chemistry), MA (Public Admn), PGD Journalism, Ph.D (J&MC)

**Experience:** 43 Years

**Areas of Interest:** Strategic Communication, Planning, Perception Management Media Relations, Public Relations Management, Communication and Corporate Soft Skill Training

Faculty of Media Studies & Humanities (FMeH) aims at imparting quality experiential education in order to cater to increasing demands of the Media industry. At FMeH, we take up challenges that come with the existing as well as emerging corporate, academic and literary environments. Constant teaching, updation and training of new media tools is taken up on continuous basis. The core strength of FMeH lies in providing a congenial and healthy environment to all its stakeholders: Students, Faculty, Staff and Management.

It is our firm faith that value based learning can transform a student into an efficient professional and a responsible citizen. It is in this backdrop that we strive to help our students claim their rightful place in the communication world that is fast turning into a global village. There is a great saying, 'Communication rules the world'. Here at FMeH, we strive to inculcate, apart from structured academic learning, the habit of developing effective communication skills among the students.

FMeH has collaborated with NDTV Worldwide, Broadcast Media Consultants as Knowledge Partners for workshops on various aspects of broadcast journalism for both Programmes of B.A and M.A - Journalism and Mass Communication. Keeping in view the current technology trends, innovations in journalism and up to date workflows for news television, these workshops cover reporting, anchoring, breaking news, news production and the role of a producer, different departments of a news channel, writing for television news, the newsroom scenario, operations-live PCR/ camera/ editing/ technical overview of modern television newsrooms and Digital Media.

Apart from the workshops, short term training courses during summer break are offered free of charges to students. In order to develop a research mindset amongst the students and provide practical training,

media tracking on topical issues is done under the guidance of faculty. Guest lectures from experts are arranged for students on weekly basis so as to expose students to the best in the media and the industry. Students are encouraged to work for regular in-house publications like "campus Buzz" and the "Reporter" so as to give them an insight into reporting, composing, layout designing and printing. This is done on rotation basis amongst students so that all the students have first hand exposure to printing technology and desktop publishing. Students are also involved in writing press releases and reporting for various events like conferences and conclaves. Training in preparing, editing and delivering news bulletins is provided at the state of art television studio in the campus itself.





## DEPARTMENT OF MEDIA STUDIES & HUMANITIES

**Dr. Suresh Chandra Nayak**  
Associate Professor & HOD

**Qualifications:** Ph.D, M.A.M.C (Mass Communication)  
M.A.M.Phil (English), D.Litt (Cont.)

**Experience:** 10 Years

**Areas of Interest:** Development Communication & Traditional Media,  
Advertising & Public Relations, Basic Language Skills, Communication Theory

### ACHIEVEMENTS & MILESTONE

- Department of Journalism & Mass Communication organized a National Conference on "Women & Media: Yesterday, Today and Tomorrow" on 8th March, 2016, wherein Ms. Anjum Chopra, the Former Captain (Indian Women Cricket Team), Dr. Sanjeev Bhanawat, Professor, Rajasthan University, Prof. Anu Shukla, and Prof. Shaneena Khan were the guests of Honour and graced the occasion. There were seventy papers received from every nook and corner of the country.
- **Organised a National Media Conclave on Media & Society: Prospects & Challenges** on 30th August, 2016. Dr. Chandan Mitra (Editor, The Pioneer), Dr. A. Surya Prakash (Chairperson, Prasar Bharati), Mr. K.G. Suresh (DG, IIMC) and other media professionals from across the country participated and shared their valuable thoughts and views on the subject.
- National Public Relations Day was celebrated in the department 21st April 2016.
- **Visit to ZEE NEWS to attend Dr. Subhash Chandra Show:** Twenty one students of BA-J&MC participated in the show along with students from leading institutions. The topic of the Programme was 'Negativity'. Dr. Subhash Chandra shared his experience & enlightened the students.
- FMeH organised a seminar on Media Ethics in 2015.
- **Literary Fest:** On 9th February 2016, MRIU hosted a One day Inter College Youth Literary Fest which was organized by the Department of English, Faculty of Media Studies and Humanities. Students from different colleges of NCR & neighboring states like Punjab participated in the fest. The literary fest got an overwhelming response with students from various Institutes and Universities from all over India. The fest organized had plethora of events like Debate, Just a Minute, Poetry Recitation, Literary Quiz, short story writing etc. A classic English movie was also screened for the students on this occasion. The students were enthusiastic & participated in events of their interests.

- **BOOK LAUNCH: 'NEWS ANCHORS... THE FACE OF THE NEWS'** A book written by well-known News Anchors Dr. Praveen Tiwari & Ms. Archana Tiwari was published in association with the Faculty of Media Studies and Humanities (FMeH), Manav Rachna International University and was launched on 13 February 2016. This was a historical and a rare moment when news anchors from all the leading channels of India congregated at one place. Mr. Umesh Upadhyay, President Reliance Jionet & Editor ZEE News was the Chief Guest on the occasion.
- Ms Sriшти Rana, a student of this Faculty was crowned Miss Asia Pacific 2013.
- Faculty in collaboration with NDTV Worldwide organised a workshop on "Newsroom Scenario" for BJMC students. The eminent speakers of the workshop were Mr. Sanjay Ahirwal, Managing Editor, NDTV Worldwide, Ms. Anju Yadav, Production & Operation Head, NDTV Profit & Mr. Madhusudan Srinivas, Senior News Editor, NDTV 24x7. It was an effort to enhance the knowledge & providing a better understanding about Television Journalism.
- **NDTV's workshop on Anchoring:** A four hour workshop was conducted by the department of Journalism & Mass Communication, in the Series of workshops conducted for the students of BA-JMC, where in stalwarts like eminent news anchor Ravish Kumar of NDTV News Channel described and shared their experiences and techniques about different areas of production of a television channel, for example, Reporting, Editing, Packaging, Production Control Room, Sound, Lights, etc.
- **Visit to Rajya Sabha TV:** As many as 35 students of BA-J&MC were assigned to maintain and update the result of 16th Lok Sabha Elections on Rajya Sabha TV Channel. Each student was deployed to contact with the stringer of a particular constituency and keep updating the poll trends/results.
- **Students invited by India TV to attend talk show with film stars:** Around thirty students were taken to India TV studios during new year celebrations. It was a thrilling experience especially for the first year students who were eager to talk to Shahrukh Khan, Sonu Sood and Boman Irani, Deepika Padukone & Farah Khan.

### PROGRAMMES OFFERED

- **BA- Journalism and Mass Communication (3 Year)**
- **M.A - Journalism and Mass Communication (2 Year)**
- **Doctor of Philosophy (Ph.D)**

Detailed semester-wise course structures, designed on CBCS pattern along with study schemes for the programmes are available on MRIU website.

### TEACHING METHODOLOGY

- Classroom lectures by faculty
- News, Content, Media Analysis sessions
- Practical classes in studio by faculty
- Lab work by students
- Independent work by students guided by faculty
- Self-initiated and self directed study by students
- Assignments, Class tests and Presentation by students
- Evaluation by self and peers under faculty guidance
- Practical training in Radio Jockeying facilitated by Radio Manav Rachna
- TV documentary, News bulletin by students under faculty guidance & industry experts
- Research: Surveys, Case Method Projects
- Regular Industry and field visits arranged for better exposure for the benefit of students

### JOB/PLACEMENT OPPORTUNITIES

**Television:** Reporter, Anchor, Producer, Copy Editor, Script Writer, Researcher, Production Executive, Video Jockey. **Radio:** Radio Jockey/Anchor, News Reader, Reporter, Producer, Programme Executive, Script Writer, Copy Writer. **Internet & Mobile:** Content Writer, content designer. **Newspaper and Magazine:** Reporter/Correspondent, Feature Writer, Business Writer, Copy editor, Sub-editor, Photographer. **Event Management:** Event Executive, Event Manager and Event Designer. There are plethora of career avenues in both Public and Private sector for the students of Journalism and Mass Communication.





## DEPARTMENT OF ENGLISH

**Dr. (Prof.) Harbir Kaur Arora**  
Professor & HOD

**Qualifications:** M.Litt, Ph.D (Linguistics)

**Experience:** 25 Years

**Area of Interest:** Language Teaching, Linguistics, Communication skills, soft skills, phonetics grammar

**Research Publications:** 18 Research Publications, Manuscripts 10

**Books Published:** 03

The Department was established in the year 2013 and offered the degree of B.A. Honors to the students. It became a part of the Faculty of Media Studies and Humanities in 2015 in addition to, BA Degree course, an MA Degree Course was offered to the students in 2015. At present, more than 130 students are pursuing their undergraduate and post graduate programs. The Department has 8 research scholars with specialization in major areas of literary studies like Postcolonial Literature, Translation Studies, Feminism etc.

The main strength of the department is the highly qualified, dedicated and competent faculty holding doctorate degree with rich teaching and research experience, who take initiatives and get fully involved with the students in their academic and extracurricular activities. Our commitment to the quality of education that we offer is reflected in our determination to maintain a relatively low student/teacher ratio and to give our students the benefit of direct contact with scholars in the field. The department organizes extra-curricular activities, in addition to lectures and interactive sessions with eminent national and international scholars and writers. The department has been actively involved in nurturing the talents of the students. The department is also coming out with the maiden issue of Literary Compendium which shall reflect the varied creativity of our students.

The aim of the department is:

- To conduct high quality research in English literature and English language teaching.
- To enable the students demonstrate their critical thinking, especially to analyze, synthesize, and evaluate ideas and texts, conduct and understand the process of research through identifying, analyzing, synthesizing, and documenting credible source material,
- To help the students understand and describe the role of literature in the development of cultures

- To provide education and training of excellent quality both at undergraduate and post-graduate levels, the department utilizes its resource of Language Lab. The prime objective of the lab is to facilitate efficient teacher-student interaction, correct phonetic accent, improve language proficiency and to develop their effective communication skills in the present world. A vast collection of audio, video, and printed materials is available for use, complemented by institutional-grade audio-visual equipment.
- To impart proficiency in major European languages to students, teachers and wider community for living and working successfully in multicultural and multilingual settings.
- To produce competent literary professionals with language proficiency, effective communication and above all professionals with human ethics & values.

Finally, The department, through language, linguistics and literature aims at helping the students widen their horizons and open new avenues for higher studies/research abroad and home.

### PROGRAMMES OFFERED

- Bachelor of Arts (Hons) English - (3 Year)
- Master of Arts (M.A) English (2 Year)
- Doctor of Philosophy (Ph.D)

Detailed semester-wise course structures, designed on CBCS pattern along with study schemes for the programmes are available on MRIU website.



### JOB/ PLACEMENT OPPORTUNITIES

**Academics:** Teaching in various organizations, private and government universities, colleges, as language and literature teachers, translators, going for higher research.

**Literary Sphere:** Writing books, Poetry, prose, writing as free lancers, translators, literary critics.

**Editor:** Editing job in news papers, magazines, in various publications divisions.

**Electronic Media:** As a script writer (in TV serials, in stage plays, in Radio program, editing and preparing materials for various program like Documentaries and films.

**Print Media:** As news readers, copy editors, writing stories and preparing materials for news papers and magazines.

**Writers:** Writing books for organizations like NCERT, SCERT, CBT, for schools, colleges

**Trainers:** Training the students and teachers for English language proficiency in various institutions and organizations like District Institute of Education and Training, jobs as trainers in various TV channels like Google.

**Correspondence Courses:** Jobs in various correspondence courses (for making materials) in universities like Delhi University, Indira Gandhi National Open University (IGNOU), English and Foreign Languages University (EFLU), Dr. B. R. Ambedkar Open University etc.



## FACULTY OF PLANNING AND ARCHITECTURE (FPA)

**Dr. Anjali Krishna Sharma**

Dean Faculty of Planning & Architecture

**Qualifications:** B.Arch, Ph.D (Environmental Planning Department)

**Experience:** 32 Years (Industry & Teaching)

**Area of Interest:** Low carbon living, Cultural Heritage, Resilience, Sustainability

Architecture is a unique field that integrates elements of both engineering and art.

We firmly believe that architecture focuses on innovative & sustainable solutions to some of humanity's most enduring problems through the fusing of local knowledge & resources, visionary design, & ancient traditions.

Architecture often considered as mother of all arts is both a challenging at the same time. It has evolved from being a planning based exercise to a volumetric based exercise. We encourage the students to play with the 3D forms and how it affects the built environment and increases human interaction.

The vision behind, and motivation for my work is to explore and use architecture as a medium to strengthen cultural and individual confidence, to support local economies and to foster the ecological balance. Joyful living is a creative and active process and we are deeply interested in the sustainable development of our society and our built environment. For us, sustainability is a synonym for beauty: a building that is harmonious in its design, structure, technique and use of materials, as well as with the location, the environment, the user, the socio-cultural context. This, for us, is what defines its sustainable and aesthetic value.

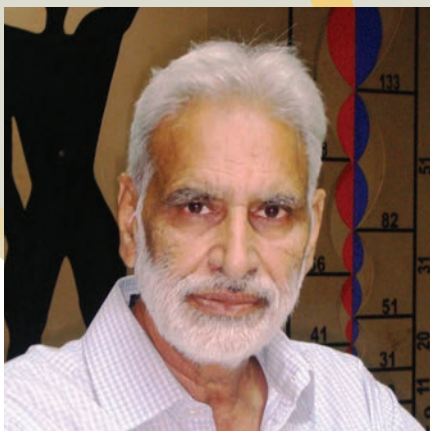
FPA is well positioned to be a strategic partner with these and other Government agencies and the industry stakeholders to work collaboratively towards accomplishing all these national goals. We recognize that it is no longer an option but a prerequisite to broaden each individual's learning experience and knowledge acquisition to a certain level whereby effective cross-disciplinary and trans-disciplinary collaborations can occur to generate innovative and deployable solutions within an increasingly complex business environment. We will offer future professionals a holistic educational experience and prepare them for an exciting and challenging career ahead in the industry and imbuing the spirit of creativity, teamwork and entrepreneurship.

Manav Rachna International University acts as a cocoon for Faculty of Planning and Architecture. It nourishes us. It helps us to create a bond between Architecture and Interior Design. It also gives an edge over other colleges, by giving an environment to design, interacting with other departments like mechanical, civil and innovation to create a type of Architecture unconceivable by other colleges of India. We welcome change, technology and creativity.

Our collective active engagement is not just a necessity but mission critical. We invite all aspiring students as well as faculty to join us in our endeavour.



# FACULTY OF PLANNING AND ARCHITECTURE (FPA)



**Ar. J. Saigal**  
Professor Design Chair

**Qualifications:** B.Arch., M.C.A, F.I.I.A.,  
F.I.V., F.I.C.C., F.I.C.A.

**Experience:** 45 Years

**Areas of Interest:** Research work in demystifying Vaastu,  
Principles of Sustainability and Energy Efficiency

Faculty of Planning and Architecture (FPA) is the youngest flower in the bouquet of flowers christened as MRIU which under the leadership of Late Dr O.P. Bhalla has blossomed as an institute of paradigm. MRIU began as a race with a moving finish line. Now Faculty of Planning and Architecture is latest in this race. MRIU is still running, & the finish line is still in motion.

Architecture is firstly a result of logical thinking and secondly it emerges with the help of the senses. There is always a point, where these two points collide. Architecture cannot come into existence without this collision. Two words that define Architecture are 'relevance' and 'innovation', reflected in the opportunities and challenges that MRIU shall provide. Learning any subject shall be an experience full of joy and creativity. Students are required to cultivate visual acumen endlessly, looking not only at photographs of buildings but also experiencing buildings.

I would like to remind you that Architecture is-first fragile, then established, later decayed, & finally replaced. "More than buildings, Architecture is the essence of life."

## DEPARTMENT OF ARCHITECTURE & DESIGN

Architects play significant roles in the design and production of built environments. Those who focus on design are commissioned by clients to lead the work of the many experts who are required to put buildings and places together. When playing this leadership role, architects ensure that the end product is architecturally meaningful, while meeting prosaic functional requirements.

Many architects refrain from playing this expansive leadership role and prefer instead to focus on some aspect of the built environment. Others refrain from design altogether and focus instead on the study and critique of built environments in a bid to enrich architectural discourse. Yet others choose to proactively work with disadvantaged communities to improve living conditions.

This five-year long B.Arch Programme leads to the award of the B. Arch. degree. It equips students with the competencies necessary for being effective professional architects and exposes them to the aesthetic, technical, social, political and ethical dimensions of the built environment. Though the B. Arch degree is sufficient for professional registration with the CoA, many architects pursue postgraduate and doctoral studies. When doing this, one can continue focusing on architecture, concentrate on fields such as architectural conservation or urban design or shift to allied professions such as urban planning or construction management.

The first year of this Programme is considered to be the foundation year. Here the focus is on developing basic architectural design skills. The following two years focus on advanced skill development. It is possible to exit the Programme at this stage with a B.A. in Architecture. The fourth and fifth years allow students to focus on areas and practice domains of their choice. During the fourth year, students intern for one semester with approved architectural offices anywhere in the world. During the tenth semester, students undertake individual capstone projects.

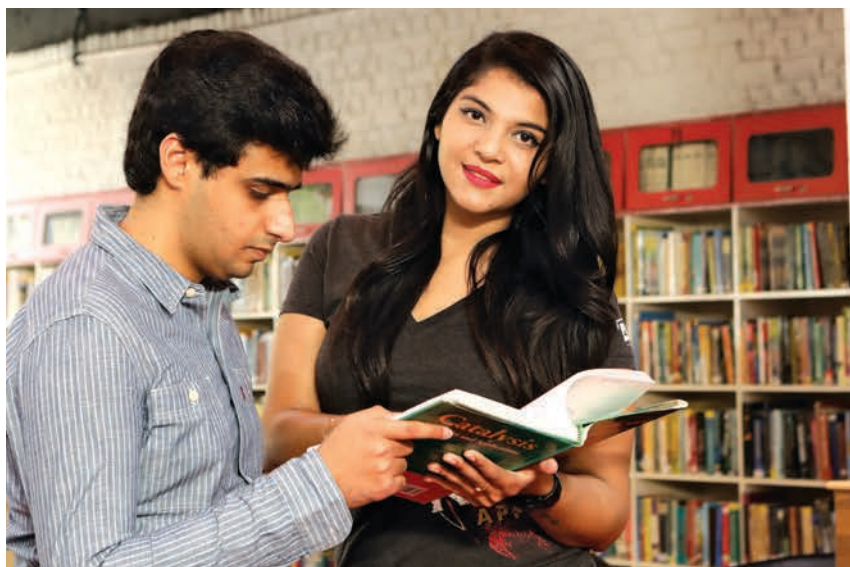
The Programme is centered on 'studios' where students are expected to resolve life-like design problems on their own. Studios operate as learning communities where teachers take on the role of coaches supporting students in their learning quests. In studios, students develop capacities and come up with technically and architecturally meaningful designs to communicate their ideas. Many group exercises are structured to develop leadership capacities.

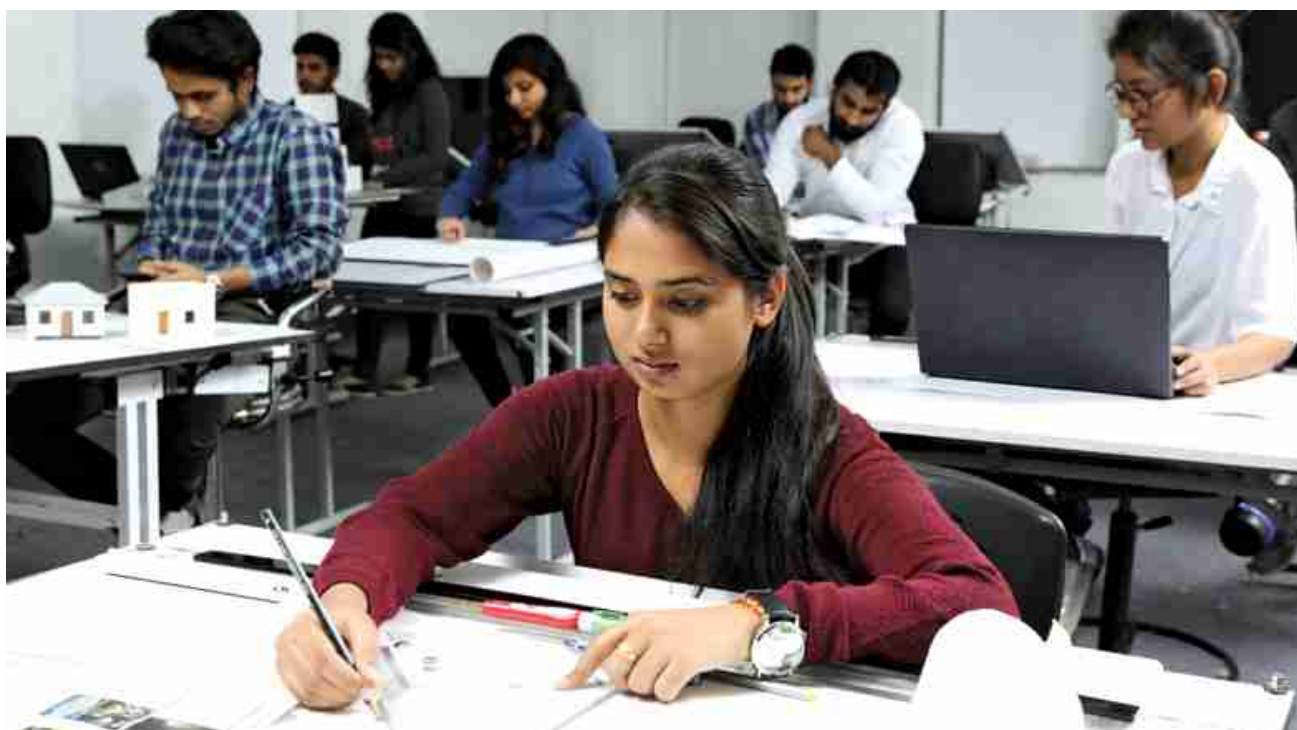
Courses, seminars, and workshops, which run parallel to studios, expose students to technology, history, architectural theory and various other dimensions of architecture. Four times, during breaks between semesters, students are required to sign up for study tours or courses organized as part of the Summer and Winter School Programmes. Teachers are drawn from practicing professionals who bring practical experience to the classroom and academics, who complement teaching with more theoretical and critical approaches.

## PROGRAMMES OFFERED

- B. Arch - Bachelor of Architecture (5 Year)
- B.Sc. - Interior Design (3 Year)

The detailed semester-wise course structure along with study schemes for the above programmes is available on MRIU website





## B. ARCH - BACHELOR OF ARCHITECTURE

### Salient Features of the Programme

- The Programme of B.Arch is approved by Council of Architecture.
- Duration of the Course. The course is of 5 academic years, (each year comprising two semesters of 18 working weeks each) inclusive of one year of practical training after the first stage in a professional's office. The 5 years Bachelor's Degree Course is conducted in two stages.:

**First Stage:** The first stage is of three years (six semesters) of institutional academic studies. Maximum permissible period for the successful completion of first stage shall be five years from the date of admission.

**Second Stage:** The second stage is of two academic years (four semesters) including one year of practical training.

- The maximum permissible period for completing the Bachelor's Degree Programme in Architecture for which the prescribed Programme duration of 5 years shall be 10 years.

## NATIONAL APTITUDE TEST IN ARCHITECTURE (NATA)

As per the Minimum Standards prescribed by Council of Architecture (CoA) under the Architects Act, 1972, admission of candidates to first year of 5-year B.Arch degree course shall be subject to their passing an aptitude test in architecture. It is advisable to admit students in the 1st year of B.Arch degree course on the basis of marks obtained in the National Aptitude Test in Architecture (NATA) administered by CoA. The Aptitude Test in Architecture shall consist of 2 papers:

- Test-I-Aesthetic Sensitivity-100 marks-duration of test-One hour.
- Test-II-Drawing-100 marks-duration of test-Two Hours.

### Test-I

Aesthetic Sensitivity is to evaluate candidate's perception, imagination and observation, creativity and communication, and Architectural awareness.

The test shall comprise of:

- Visualizing three dimensional objects from two dimensional drawings
- Visualizing different sides of three dimensional object
- Identifying commonly used materials and objects based on their textural qualities
- Analytical Reasoning
- Mental Ability
- Imaginative comprehension and expression
- Architectural awareness

### Test-II

The Drawing aptitude of the candidate shall be judged on the following aspects:

- Ability to sketch a given object proportionately and rendering the same in visually appealing manner.
- Visualizing and drawing the effects of light on the object and shadows cast on the surroundings.
- Sense of perspective drawing
- Combining and composing given three dimensional elements to form a building or structural form
- Creating interesting two dimensional composition using given shapes or forms
- Creating visual harmony using colours in given composition
- Understanding of scale and sense of proportion
- Drawing from memory through pencil sketch on themes from day to day experiences

The merit shall be prepared for admission to B.Arch. by giving 50% weightage to NATA and 50% weightage to the marks obtained in qualifying examination i.e. 10+2 examination OR 10+3 years Diploma recognised by the Central/ State Govt. OR International Baccalaureate Diploma.

**Note:** In order to pass an Aptitude Test in Architecture, a candidate must obtain a minimum of 40% marks.

## EMPLOYMENT OPPORTUNITIES

Professional architects can build careers as independently practicing architects, as architects working within architectural firms, as academics focused on teaching and research, or within non-governmental organizations. In India, the architectural profession is regulated by the Council of Architecture (CoA), which was established by Parliament through the Architects Act, 1972.

### • B. DES.- BACHELOR OF DESIGN (4 YEAR)

B. Des.-Bachelor of Design (4 Year) program at MRIU, gives the students the flexibility to work in multi - disciplinary environment. The course will teach you to address contemporary issues in an independent and creative way, in order to participate in a most stimulating and gratifying career. The emphasis is on the fundamentals of Product Design which is a process of creating a new product that other people can use. A Product design involves understanding of many other fields together, which includes manufacturing, engineering, marketing, user research, presentation skills and drawing. The developing role of a product designer has facilitated by digital tools, which allows designers to communicate, analyze and visualize the ideas that will help in reducing the manpower.

The Product Design Program offer the learners to understand the various approaches, processes and systems to address human needs by creating tangible products. In the various courses that the learners pursue, the emphasis is on learning-by-doing and following a comprehensive process of designing, producing and marketing products, systems and services.

## PLACEMENT OPPORTUNITIES

Product designers and Graphics Designer are committed to the cause of improving the quality of human environment with products that are functional and aesthetic. They are 'systems thinker' who finds creative solutions by correlating technical and ergonomic aspects with human needs. During the programme, students interact with the industry and with institutions and social organizations to understand, study, analyze and solve various kinds of existing problems. The choice and outcome of the final degree projects reflect the students aspirations to change the Indian product scene. Career Prospects exist in the field of:

- a. Design Consultancy
- b. Product & Industrial Design
- c. Accessory Design Studios
- d. Furniture Design
- e. Retail Design
- f. Architectural Design
- g. Electronics Companies

### BACHELOR OF SCIENCE - INTERIOR DESIGN (3 YEAR)

The Interior Design course encourages the student to develop imaginative, responsible solutions to problems created by social needs and economic constraints, as well as the material and physical limitations of the built environment. The integration of fine art classes elevates the student's ability to develop innovative solutions & further balances the increasing demands of technology.

Since interiors are an extension of one's personality, an interior designer has to essentially be a people's person. Designers need to understand attitudes, lifestyles and cultural preferences and take all three into account in their designs. In addition, they have to keep in mind the hobbies and habits and let's not forget the budget (good taste need not necessarily be expensive) of the person they are designing for.

## PLACEMENT OPPORTUNITIES

The graduates could expect to take up following work opportunities after completing their degree: Space Planner, Freelance interior designer, Office & workspace designers, Set Designer, Art Director, Furniture Designer, Vaastu Consultant, FengShui Consultant, Wall covering Designer, Window Treatment Specialist, Interior Design Educator, Kitchen & Bath Designer, Design Journalist, and Colour Consultant etc.

The B.Sc- Interior Design Programme train students to design and create spaces for various sectors of industry. Graduates may find employment in sectors such as Residential, Retail, Hospitality, Exhibition/ Events, Lighting, or Furniture design.





## FACULTY OF MANAGEMENT STUDIES (FMS)

**Dr. Chavi Bhargava Sharma**

Professor & Dean

**Qualifications:** MA (Psychology), UGC-Net, Ph.D

**Experience:** 24 Years

**Areas of Interest:** Diversity & Cultural Studies, Behavioral & Social Research, Gender Studies.

**Award:** Scholar of Peace - Fellowship by the Dalai Lama Foundation for Universal Peace, Delhi, 2004-2005: Fellow and Alumni of the Regional Center for Strategic Studies (RCSS), Colombo

As teachers, we believe our job is not to tell, explain, and demonstrate but to inspire our students to excel and be leaders in whatever they do. FMS aims to be the bedrock for leadership and initiative. We challenge the students to think beyond boundaries and work beyond their comfort zones, encouraging innovation, creating and honing their analytic skills by emphasizing the practical and applied aspects of the theoretical knowledge.

FMS lays tremendous stress on the inculcation of ethics, values and good governance skills in the students. Social responsibility and community service form an integral part of the FMS culture. FMS believes that holistic development should be the goal of business schools rather than creating islets and silos of knowledge in various disciplines.

We must remember that as teachers we don't teach a subject, we teach a person.

To build the Department of Management Studies as a center for total quality education through a focus on holistic development

- Self Enhancement and Inculcation of Ethics and Values
- Maximizing Potential and Leadership Skills
- Conscious Participation in Larger Systems and Nation Building through Community Service and Corporate Social Responsibility
- Empowerment through Participatory Power
- Transparent and Good Governance based on Ethics

### FMS ACCREDITATION & RANKINGS

- FMS MBA Program has received A+++ rating in Business India's Best B-School Survey 2016.
- Ranked consistently the best Business School amongst top 15 in Delhi-NCR in terms of Faculty, International Exposure & Infrastructure by Mail Today Survey.

- Times of India has ranked Faculty of Management Studies, Manav Rachna International University among the top 50 Management Institutes of the country in the Times B-School Survey 2015.
- Ranked amongst top 50 B-schools by India's best B-School survey 2012 by Careers 360.
- OUTLOOK has ranked FMS among the top 100 Management Schools in India in their 2016 survey.
- Ranked 'A' category by All Indian Management Association (AIMA).
- Featured by CNN-IBN in 'Shining B-Schools of India' - January, 2013 & 2014.

### OUR KNOWLEDGE PARTNERS

- FORTIS HOSPITAL
- IBM
- KPMG
- EDINBURGH NAPIER UNIVERSITY

### AFFILIATIONS

- NHRDN
- AIMA
- FISA
- FICCI
- ASSOCHAM
- MSME

### PROGRAMMES OFFERED AT FACULTY OF MANAGEMENT STUDIES (FMS)

- **Master of Business Administration (MBA) with Dual Specialization (2 Year):**

It is the flagship MBA programme wherein students can opt for 2 specializations.

The traditional specializations include the functional disciplines, that is,

- Finance (in collaboration with KPMG)
- Marketing
- Human Resource
- International Business (in collaboration with Edinburgh Napier University)
- Information Technology
- Digital Marketing
- Entrepreneurship
- Events & Media
- Business Analytics



- **Master of Arts- Applied Psychology (2 Year)** with specialization in Clinical, Counseling, Industrial and Organizational, Educational, Health, Sports, Psychological Assessment and Psychometric Testing, Personality Assessment, Social, Cognitive & Perceptual, Community, Consumer, Developmental, Engineering, Environmental, Evolutionary, Experimental, Forensic & Criminal, Neuropsychology, Rehabilitation & School Psychology
- **Bachelor of Arts - Applied Psychology (3 Year)**
- **Bachelor of Science - Hospitality and Hotel Administration (3 Year)**
- **Ph.D in Management Studies**
- **Ph.D in Psychology**

The detailed semester-wise course structure along with study schemes for the programme is available on MRIU website.

Number of seats, Fee Structure, Minimum Eligibility criteria and criteria for preparation of merit list are given at page no. 60 onwards of this brochure.

- **Master of Business Administration (MBA) with Dual Specialization (2 Year)**

Duration : Two years starting from July 2017  
 Programme Delivery : Regular on week days  
 Academic Term : Semester basis

Broad Curriculum Content : It is a choice based credit system in Semester - I & II we cover the foundation and core courses like Human Resources, Organization Behavior, Finance, Marketing, IT, Communication Skills, Employability skills and Foreign Language. All students shall undergo 6/8 weeks Summer Training in June/ July, 2018 and opt for dual specializations in Semester III & IV

## PROGRAM HIGHLIGHTS

Highly application centric industry integrated MBA Programme with focus on Communication Skills and Employability Skills. We believe in creating Ethical Leaders who can take responsibility and contribute to nation building.

Corporate Experts and renowned visiting faculty to drive other specializations.

All students shall undertake a Minor Project & Summer Internship (8 - 10 weeks) in June/July 2018 after Semester II and a Major Project during Semester-IV leading to submission of a Dissertation.



## PLACEMENT OPPORTUNITIES

Our students have carved out their careers in MNC's, Start-ups, Service industry, Hospitality industry, FMCG, Consumer durables, Financial Institutions and are also successful Entrepreneurs.

Some of our top recruiters are: Infoedge Ltd, Zomato, HT Media Times, KPMG, Fortis, Naukri.com, 99 Acres, India Bulls, Grofers etc.

- **Master of Arts - Applied Psychology (2 Year)**

The study of human behavior is of paramount importance in understanding how a human being behaves in a given situation, under the influence of varying external and internal factors. Applied Psychology has evolved to be the most important branch of Social Sciences in recent times, particularly when it comes to the prediction of individual human behavior.

The MA Applied Psychology programme offered by FMS, MRIU lays an emphasis on understanding & applying psychology through experiential learning and hands on activities, apart from classroom learning. This includes the use of the HUMAN LAB, which is a Centre for Psychometric Assessment, Psychological Counseling, Psychotherapy & Training & Development at FMS, MRIU.

Students gain proficiency in handling a large number of psychological tests. They also conduct one to one counseling sessions for individuals needing emotional support. Students also undertake research surveys and make presentations of research findings. They also publish and present research papers at National and International seminars. The objective is to help the Applied Psychology student strengthen domain knowledge and to hone applied skills which are needed in the real world workplace.

The specializations offered in the MA Applied Psychology programme are:

Clinical, Counseling, Industrial and Organizational, Educational, Health, Sports, Psychological Assessment and Psychometric Testing, Personality Assessment, Social, Cognitive & Perceptual, Community, Consumer, Developmental, Engineering, Environmental, Evolutionary, Experimental, Forensic & Criminal, Neuropsychology, Rehabilitation & School Psychology

- **Bachelor of Arts - Applied Psychology (3 Year)**

Applied Psychology provides the foundations for a career in psychology and affiliated fields, offering modules in the core areas of modern psychology, including cognitive, biological, developmental, abnormal psychology, etc...

Students of the program are comprehensively trained in research skills, as throughout the degree you will conduct qualitative and quantitative research, and also complete an independent research project in your final year.

## COURSE DETAILS

B.A. in Applied Psychology offers a rich and diverse curriculum. Students will complete courses that examine psychology from a philosophical and cultural perspective, enhance their critical thinking and help them develop a strong understanding of the modern fields of psychology. The combination of courses offered will enable them to develop confidence, knowledge and capability in both the research and practical application of psychological theory. This course examines how psychology is applied in work and in the community, and how psychological interventions might help real world problems.

## PLACEMENT OPPORTUNITIES

The students have made a successful career in Hospitals, Clinical settings, working in School & Colleges as counselors and also in corporate sector in the HR Department as Trainers and specialists in Psychological assessments. Many of students have moved on to further higher studies.

### Bachelor of Science -Hospitality and Hotel Administration (3 Year)

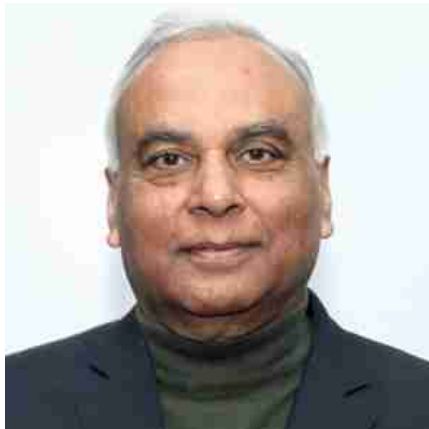
Hotel Management is a vast, fast moving, and rapidly growing industry and includes all kinds of hotels from budget & independent operations to international brands and sophisticated luxury resorts.

A career in the hotel industry can be exciting and varied and may involve working in different environments. There are opportunities for rapid progress in this area and one can focus on specialist roles. Success in the Hotel Management industry requires more than just knowledge of hotel operations. One needs to develop excellent organizational skills, time management, multi tasking and interpersonal skills.

B.Sc in Hospitality and Hotel Administration gives students the knowledge and skills to become perfect hospitality personnel. Students gain an understanding of the industry and learn how to identify and act on changing patterns of customer demand. FMS provides the students with a mix of strategic and operational skills that they need to succeed in the role.

### KEY AREAS OF STUDY

- Food and Beverage Production Operations and Management
- International Culinary Arts and Wines
- Rooms Division and Guest Relations
- Housekeeping Management
- Restaurants, Bar and Banquet operations and management



## FACULTY OF MANAGEMENT STUDIES (FMS)

**Dr. Vijay Aggarwal**, Professor & Director

**Qualifications:** B.Tech (IIT, Bombay), MS (Case Tech, USA), Ph.D (CaseWestern, USA)

**Experience:** 40 Years

**Areas of Interest:** Applied Operations Research, Systems Modeling, Business Analytics, Operations Management, Operations Strategy, Supply Chain Management, Healthcare Delivery Systems.

**Awards:** Operations Research Society of America (ORSA) award for Best Paper, UNDP Grant for strengthening the National Management Program, SAIL Grant for the research monograph "Modernizing Organizations".

It is a much smaller world today with fast-paced globalization! In this rapidly evolving scenario, the business world needs new breed of techno-managers and entrepreneurs -- multi-skilled, technologically literate and globally aware. Our learning process at FMS empowers our students to push the boundaries and shoulder higher set of responsibilities.

FMS at MRIU features amongst the top 50 Business Schools of the country. Its MBA program is NAAC "A" grade accredited and has been designed by distinguished faculty from Manav Rachna International University in collaboration with Edinburgh Napier University, Fortis Hospital, KPMG and IBM, which is benchmarked against the very best MBA programs in the world. Our pedagogy revolves around the Experiential Learning through corporate case studies, internship projects, industry visits, professional seminars/conferences and interaction with industry professionals. Our distinguished faculty brings on board their experiences from academics and Industry.

## INDUSTRIAL TRAININGS

An elaborate industry exposure to compliment a contemporary curriculum.

### INDUSTRY PARTNERS:

- ITC • DLF • Claridges • Vivanta by Taj • Country Development and Management Services
- Leela Kempinski Jaypee Group of Hotels • Radisson • Hilton • Le Meridian
- Holiday Inn Hotels & Resorts • Shangri-La Hotels and Resorts
- Crown Plaza • Westin • Hyatt Regency • Oberoi Hotel
- Sarovar Hotels & Suites • Indig • Airlines • Lemon Tree • Nestle • Savoy Suites • Fortune • Hotels • County Inn & Suites
- Park Plaza • Oberoi Flight Services • Ambassador's Sky Chef
- Millennium Hotel • The Grand.

### PLACEMENT OPPORTUNITIES

- Hotels and Restaurants • Resorts • Eateries and Bakeries
- Food processing industry • Corporate Houses • Airlines and Airport Ground Staff • Cruise Liners • Railway Catering/Defense Forces Catering • Travel Agencies • Tour Operators • Government Tourism Departments • Call Centers • Multinational Companies
- Amusement Parks • Banks & Insurance Companies • Hospitals • Institutes • Colleges Schools • Sales & Marketing • Customer Care • Event Management • Shopping Malls • Own Business Entrepreneurship • Higher Studies Like: IAS • IPS • IFS
- MBA with specialization in: Finance/ HR/ Sales & Marketing/ Materials & Purchases/ Retail /Health Care/ Media Management/ Training / Advertising / Public Relations etc.

Our three MBA programs - MBA with dual specialization, MBA in Healthcare & Hospital Management, and MBA in Human Resource management, are specifically designed to cater to different kinds of student competencies and individual temperaments, and to enhance their employability skills in the rapidly evolving global business environment. With a sturdy alumni network working with our top recruiters like KPMG, Fortis Hospital, Amazon, IFB, HT to name a few, students have a strong support for placement assistance.

I look forward to welcoming you into the FMS MBA class of 2017!

Wishing you success!



# DOCTOR OF PHILOSOPHY PROGRAMME

MRIU strives to propagate the international research agenda across the University's disciplinary spectrum and through interdisciplinary initiatives. Our aspirations and actions are influenced by our vision defined for learning, scholarship, research and public engagement.

MRIU expresses a commitment to disciplinary excellence across the spectrum of engineering, management, core sciences, medicine, social sciences and humanities, including supporting research in strategically important and relevant areas. The range and health of the core academic disciplines provides an ideal foundation for the continued development of interdisciplinary research initiatives.

We aim to maximize the benefits of research by advancing fundamental knowledge and contributing to efficacious public policy, improved health outcomes, economic prosperity, social cohesion, international development, community identity, arts, culture and the quality of life. Our high-level strategies across the University include retaining and recruiting researchers of the highest distinction, processes and potential across the University, attracting the very best research students nationally and internationally, continuing to provide a supportive research environment in which scholars at every stage of their career, can flourish and develop, encouraging collaboration, regionally, nationally and internationally and effective partnerships with other research institutions, research agencies, funding bodies/sponsors and benefactors, ensuring that the fruits of the University's research activities are leveraged and disseminated for the benefit of society and the economy, providing the academic and administrative services and facilities needed to facilitate research excellence and knowledge transfer.

The University will continue to develop multidisciplinary and interdisciplinary programs and new ventures designed to address many of the major challenges that confront our society.

## CRITERIA FOR ADMISSION

The admission to Ph.D programmes would strictly be done on the basis of regulations contained in the Ph.D Ordinance of the University available on its website, which is in total conformity with the UGC new Regulations, 2016 for Awards of M. Phil / Ph.D Degree. An applicant possessing any of the following qualifications shall be eligible to apply for admission to a Ph.D programme of the University:

- A Master's degree with not less than 55% marks in aggregate in Engineering/Technology/Science/Humanities/Commerce/Medicine/Law/Education/Pharmacy/Management of a recognized Indian University, or a degree approved by Association of Indian Universities, or any other equivalent qualification to the satisfaction of Academic Council of the University.
- Applicants with a Bachelor's degree in Engineering/Technology/ Medicine / any other professional discipline of at least four year duration after 10+2 or higher duration, with either 70% or more marks in aggregate and a minimum of fifteen years of relevant experience in recognized Institute/ University/ Industry/ Government Organization, may be considered eligible for admission, on the recommendation of BOS and approval by Academic Council provided that such applicants may, in case considered essential, be required to qualify in the course/s specified by the DRC/BOS.



## REGISTRATION PROCEDURE

- Online applications for joining the Ph.D. programme shall be submitted. All eligible candidates shall have to appear for Entrance Test (of 80 Marks) to be conducted by MRIU as per UGC new Regulations, 2016 for Awards of M.Phil / Ph.D Degree. The syllabus for the entrance test shall consist of 50% of Research Methodology as Part-A and 50% shall be subject specific as Part-B. The entrance test shall be followed by an interview / presentation carrying a weightage of 20 marks. Those applicants who are short listed and are found to be suitable shall appear before the DRC of the concerned department for judging the suitability of the research plan and availability of the supervisor. The research plan shall be written in English in the specified format in accordance with the instructions contained in the Ph.D. Ordinance 8B. In case of a suitable candidate, the DRC shall assign some specific topic as area of research as found suitable. A candidate will ordinarily be allowed twice for such presentation before the DRC. A third attempt may be allowed only with the approval of the Vice Chancellor in special circumstances.
- The recommendations of the DRC regarding the research plan of the candidate and proposed supervisors shall be put up in the meeting of the BOS for approval and for further submission to the Board of Faculty.
- While recommending approval of the Research Plan, the BOS/BOF will also recommend the research supervisor(s).
- After the recommendations of BOS/BOF of the research plan and the name(s) of the supervisor(s) of a candidate, the case shall be submitted to the concerned Academic Council for its approval.
- After the approval of the Academic Council and the payment of fees prescribed by the University, a candidate shall be formally registered as a research scholar / student with effect from date on which the BOS accorded its approval or from the date specified by the Academic Council.
- A Research Scholar shall be required to renew his registration every semester / year and pay the fees in the manner prescribed by the University.

For more rules and regulations concerning admission to Ph.D programmes, the Ph.D Ordinance No 8B of the MRIU may be referred to for additional information about research programmes and various faculties offering Ph.D programmes at MRIU, please log on to <http://info.mriu.edu.in/admissions>

Fee for Ph.D Programme for Academic Session 2017-18

Description	Amount in Rs.	Remarks
Registration Fee	25,000/-	One time, to be paid at the time of registration.
Course Work Fee	25,000/-	One time, to be paid at the time of registration.
Research Fee	50,000/-	Per annum, Rs. 25,000/- to be paid at the time of registration and balance Rs. 25,000/- within 6 months from the date of registration.
Thesis Evaluation Fee	25,000/-	One time, to be paid at the time of submission of Thesis.

It is further clarified that minimum duration for Ph.D is 3 years and hence a Research Scholar will be required to pay Research Fee of Rs. 50,000/- per annum for a minimum period of 3 years in two equal installments per year. If a Research Scholar submits his / her long synopsis and successfully completion of Pre-Ph.D seminar /viva within 15 days from the completion of 3 years from the date of registration, he / she shall be required to pay Research Fee only for 3 Academic Sessions aggregating to Rs. 1,50,000/-. However, if the Research Scholar submits his /her long synopsis and successfully completion of Pre-Ph.D seminar/viva after 15 days from the completion of 3 years from the date of registration, he / she will deposit the Research Fee @ Rs. 25,000/- per semester with the same analogy.

The Fee chargeable from the Research Scholars admitted in 2017-18, therefore, shall be as under:

At the time of Admission	Registration Fee	- Rs. 25,000/-
	Course Work Fee	- Rs. 25,000/-
	Research Fee	- Rs. 25,000/-
Before June, 2018	Research Fee	- Rs. 25,000/-
Before December, 2018	Research Fee	- Rs. 25,000/-
Before June, 2019	Research Fee	- Rs. 25,000/- (and soon in subsequent years till completion as per ordinance 8B)
At the time of submission of Thesis	Thesis Evaluation Fee	- Rs. 25,000/-
If a Research Scholar does not submit Thesis within 15 days from the date of completion of 3 years from the date of registration, he / she shall pay Rs. 25,000/- per semester on the above stipulation.		

If a Research Scholar fails to deposit fee before 30th June or 31st December, as the case may be, a fine of Rs. 100/- per day shall be charged for 31 days and the name of the Research Scholar shall be struck off if the fee is not paid by July 31 or January 31 as the case may be. In such eventuality, the Vice Chancellor may consider re-admission of the Research Scholar on valid grounds and recommendations.

Full time Ph.D scholars shall be given scholarship / stipend as per MRIU norms.





## MESSAGE PROFESSOR & DEAN RESEARCH

**Dr. Sarita Sachdeva**  
Professor & Dean Research

**Qualifications:** M.Sc., M.Phil, Ph.D

**Experience:** 18 Years

**Areas of Interest:** Bioremediation and Biofuels

Universities have been serving society from many years and over these years, the universities and the world have undergone significant transformation. Today, the world is more complex, is changing rapidly and is more connected. Social structures are changing, as are values and attitudes. Electronic communication has enabled us to know whatever happens almost anywhere in the world as soon as it happens. Subject information is available readily, in quantity and almost instantaneously. Competition is growing, people are increasingly mobile. Nation states are subject to competing centrifugal and centripetal forces based on several factors. People everywhere feel under pressure. Change is inevitable and here to stay. One of the important role of universities is to make some of these changes possible. They have been doing this in past by educating an ever greater proportion of the population, increasing its perspectives only by performing research which creates new understanding, new technologies and the potential for action. They also provide a store of knowledge and capabilities that society as a whole can draw upon. Our better health, wealth and general wellbeing (whether environmental, cultural, social or spiritual) has been possible by the research performed by universities. Moreover, universities have played most crucial role: that of helping society to understand why these changes are taking place. In a world of rapid change, quick responses and never enough time, the knowledge economy identifies knowledge as the most important form of capital and university research is one of the most important sources of new knowledge.

Learning requires research, discovery and critical inquiry. While conventional education can take place via simple transmission of information, practice and skills, learning takes place only through questioning and debate. This means that students are not just passive receivers of information but are active contributors to learning by their interactions amongst themselves and with academic staff. The purpose and role of a university is not to produce students equipped to move into a particular job or type of job, it is to prepare students to live in a complex and unpredictable world in which they will need to respond to situations, challenges and opportunities which we cannot forecast or predict, and produce graduates who are flexible, resilient and have the self confidence necessary to take responsibility for their own actions. This requires a continued willingness to learn, a valuing of certain ways of thought and a set of attitudes that is open and humane. A pervasive research culture and dedicated Academic staff at MRIU enable them to develop the ability to evaluate information, assess its status and quality, and then convert it through independent thought to knowledge and wisdom.

Research is a process of continuous learning. It is an intensive 24/7 activity, but extremely fulfilling. If you have what it takes to succeed, we look forward to receive you as our student.





# FOREIGN NATIONAL STUDENT ADMISSION PROCEDURE

## ADMISSION AND APPLICATION

Foreign National Student admissions are open throughout the year. However, Last date for admission for the program run in collaboration with foreign academic partners is 30th September 2017. The admission form can be downloaded from our website [www.manavrachna.edu.in](http://www.manavrachna.edu.in)

## PROCEDURE FOR ADMISSION

1. Please send the following by email to [iec@mriu.edu.in](mailto:iec@mriu.edu.in), [iec@mrvgl.in](mailto:iec@mrvgl.in)
  - a. Attached application form duly completed with photo duly signed. A scanned copy to be sent.
  - b. Scanned copy of your Passport.
  - c. Scanned copy of your Academic transcript.

The above documents should be attested by the Indian Embassy in your country OR your Embassy in India.

2. After we receive all above, you are registered for admission to the desired program subject to confirmation of your eligibility as per the documents you have provided.
3. Once your eligibility has been confirmed, you will be required to deposit:
  - a) Application fee of US\$250/- by Bank Transfer to University Bank account quoting your name and passport number.
  - b) On receipt of US\$250/-, we will send you the Eligibility Confirmation Letter asking you to deposit US\$1000/- for Provisional Admission Letter (PAL) for you to apply for VISA.
  - c) On receiving Visa, you can travel to India and pay the balance of fees.
4. Respective faculty will check all your documents in original and confirm your admission. You will be issued a Bonafide Certificate on the basis of your proof of residence in India and proof of residence in your home country.
5. The student will have to thereafter go in for FRRO Registration.
6. Out of the fee payable to MRIU, NZ\$ 933/- for Bachelor of Science-Information Technology and NZ\$ 833/- for BBA (Global) International Business has to be remitted to AIS St. Helens, New Zealand. For B.Sc. Interior Design, CA\$ 733/-has to be remitted to Algonquin College, Canada.

# IMPORTANT INSTRUCTIONS FOR ADMISSION SEEKERS

## SUBMISSION OF APPLICATION FOR ADMISSION

Application for admission shall be submitted online only at the website [www.manavrachna.edu.in](http://www.manavrachna.edu.in) for which application fee of Rs. 1200/- is payable. Payment can be made through Net Banking /Credit/ Debit card/E wallets at the time of submission of application. Alternatively, candidate may procure the Admission Brochure from Manav Rachna Campus, Administrative Headquarters or City Centers, details of which are available on Manav Rachna website. Admission Brochure contains a Scratch Card consisting of a covered number, which will facilitate submission of application form online. Admission Brochure without Scratch Card may be downloaded from Manav Rachna website free of cost. Once online application for admission is submitted successfully, the system will generate a unique application number which must be noted by the candidates as the same shall act as a Reference Number for all subsequent correspondence till the candidate is actually admitted.

## DIRECTIONS FOR FILLING ONLINE APPLICATION FORM

1. Read Instructions for filling up Online Application Form carefully on the opening page after you Click 'Apply Now' on the Manav Rachna website Home Page.
2. Keep a Digitized Photograph ready on your Computer Desktop for uploading with maximum 80 KB memory, 30mm x 45mm in size in a formal dress against plain background. Avoid photographs in T-Shirts/ Tops/ Flashy Clothing because this photograph will go for your identity card. Also keep ready scanned copy of Secondary (10th), Senior Secondary (10+2) Examination and other qualifying exam, if any.
3. Fill-up all fields with the correct information. Do not use all Capital/ Small Letters. Use Sentence case. Mandatory fields are marked with Asterisks, without which application will not be submitted. You will have the liberty to edit certain fields as directed by the format including Address, Mobile Number, and Qualifying Examination Result etc.
4. Take out two print-outs of the final version of the online application form which must be brought at the time of physical counseling for admission.





## CRITERIA FOR SELECTION

Selection of the candidate is subject to qualifying MRNAT or any other equivalent exam accepted by Manav Rachna and for GD/PI, wherever indicated.

## NOTIFICATION OF SCHEDULE FOR PHYSICAL COUNSELING FOR ADMISSION

1. The detailed admission calendar is appended at Page No. 68 of this brochure.
2. Candidates are advised to look for notices / alerts by clicking the 'Admissions' Tab on Manav Rachna website.
3. MRNAT Results and Merit list for various courses/ program shall be available on the University Website. Schedule for Physical Counseling for Admission and other related information will also be made available on the website as and when published.

## PHYSICAL COUNSELING FOR ADMISSION

1. It is mandatory for the candidates to appear in person for physical counseling for admission before the Admission Committee. No relaxation of any kind is permissible in this regard.
2. Candidate must bring the following documents in original (to be taken back by the candidate after verification) along with two sets of attested photocopies:
  - a. Secondary School Examination Certificate (10th) - as proof of Date of Birth.
  - b. Senior Secondary School Examination Certificate (10+2).
  - c. Detailed Mark sheets/ Provisional Certificate/ Degree/ Diploma Certificate of the qualifying examination.
  - d. Character Certificate from the Institution last attended.
  - e. Result card of the relevant entrance examination.

f. Four passport size coloured photographs in formal dress.

g. Certificate of proof as candidate of SC/ ST, BC, OBC, Kashmiri Migrants, North East States (seven), Sports Personnel (with authorized participation at National Level), Son/ Daughter of Defence Personnel categories and Foreign Nationals seeking relaxation in the minimum eligibility criteria.

3. All other documents must be submitted during orientation after start of classes or within 03 (three) days from the date of admission, whichever is later.
4. On the day of physical counseling, candidates shall report on the Registration Desk, arrange documents in the specified sequence in the file cover given on the spot, appear before the Document Verification Committee for verification of documents and move to the Admission Committee, if found eligible.
5. Admission committee shall allot the seats to the Candidates in order of merit subject to its availability and the candidates shall be required to deposit fee on the spot either through Demand Draft, Credit / Debit Card or in Cash. Cheques shall not be accepted. Additional convenience charges are payable as per rules in case of payment is made through Credit / Debit Card.
6. The seat shall be deemed to be allotted only on deposition of fee. If a candidate fails to deposit the fee on the spot, the right to admission shall be forfeited and the seat shall be offered to the candidate next in the merit list.
7. If a candidate reports late for admission on the designated day and time, he / she will be offered the seat available at the time of his appearance before the Admission Committee.
8. All Candidates are advised to report on the day of physical counseling in a formal and presentable dress as a fresh photograph may be required to be clicked on the spot.
9. As per guidelines of Regulatory Bodies, original certificates are not retained in University and the same are returned to the candidates on the spot after verification.

## PREPARATION OF MERIT LIST

The Merit Lists for each program shall be prepared as per the criteria given in the Admission Brochure.

1. For B.Tech Program, the merit list shall be prepared on the basis of marks scored in MRNAT 2017 examination as first preference and merit in Uni-GAUGE 2017 as second preference on the basis marks scored in JEE-Main 2017 examination as third preference. Candidates are advised to supply the respective score in the application form as soon as the results are declared by the respective examination bodies. Those students who fail to supply any of these results shall go down in the merit list in the absence of respective weightage.
2. For Admission in all other UG Programs (other than B.Arch), all students are required to appear for Group Discussions and Personal Interview (GD & PI), which is an independent screening test. Although admission in all UG programs shall be based on the merit of respective MRNAT 2017 as first preference and percentage of marks scored in qualifying examination as second preference in case of seats remaining vacant. Those who fail to make a mark in GD/PI may be denied admission.
3. The ranks in the respective Merit List shall be available on the Website against Application Sequence Number generated by the system at the time of submission of online application.
4. For UG Programs, admission shall be made only if the Candidate has been declared pass in the qualifying examination clearly and meets the minimum required condition of marks as per eligibility criteria notified in the admission brochure for admission to that programme on the day of admission. Candidates having compartment shall not be admitted in any of the UG Program till their result for the supplementary examination has been declared within the final cut off date of admission.
5. For PG Programs, candidates may be admitted provisionally subject to fulfillment of minimum eligibility criteria on or before 31.10.2017. For the purpose of preparation of Merit List, the marks scored upto pre final year of the qualifying examination shall be considered for those whose result has not been declared for the final year / semester. Student having compartments in any of the previous years shall not get credit for the subjects which they have not passed at the time of admission.
6. Admission Committee shall exercise fair discretion to see that based upon the academic performance in exam result which is available at the time of admission, whether the candidate is likely to meet the eligibility criteria. However it will be sole responsibility of the candidate to meet the minimum eligibility criteria for admission by the cutoff date mentioned above and no relaxation in minimum eligibility criteria shall be granted.
7. For the purpose of determining minimum eligibility criteria, percentage of marks more than 0.50 and above shall be rounded off to 1.
8. Relaxation of 5% marks in minimum eligibility criteria shall be given to the candidates from / of Women, SC / ST, BC, OBC, North East States (seven), Sports Personnel (with authorized participation at National Level; subject to ratification by the committee constituted for the purpose), Son/Daughter of Defence Personnel categories and Foreign Nationals for all the programs being offered at MRIU. Although there is no reservation of any kind except for NRIs for whom 15% of the total seats in all programs are reserved.
9. Two seats are reserved in all programs under supernumerary Quota for Kashmiri Migrants students of Jammu and Kashmir as per directions of UGC. A relaxation of 10% in minimum eligibility criteria shall be given. Domicile requirement may be waived off. Intake capacity of various programmes may be increased by 5 %, if so required.



## MANAV RACHNA NATIONAL APTITUDE TEST

# MRNAT' 17

MRNAT 2017 (Manav Rachna National Aptitude Test) shall be conducted by the University across various disciplines. University has deployed technology developed by India's leading assessment agency to ensure fair and transparent conduct of online test. The candidates shall be allotted a designated computer system in the examination centre and shall be required to login using Application Sequence Number and Password as conveyed to the applicant or in the exam hall prior to the examination through email. It is therefore advised not to share Email IDs and Password with others to avoid complications. The questions shall appear on the monitor and the candidates shall submit answers by using mouse only. The computer system is connected to a Central Server which delivers the test in real time without web connectivity. All other functions are disabled in the machine and there is no Human involvement in the test. No formal computer knowledge is required to appear for the test. Other details and sample questions are also available on the MRNAT Tab of University website. The candidate will be intimated about the place, date and time of the Test, through email and SMS well in time. For all Programmes, the Test would be conducted at Manav Rachna Campus & other locations as given on the website.

For MRNAT dates please refer to Admission Calendar on page No. 68 in this brochure.





# UNI-GAUGE 2017



'Uni-GAUGE' alludes to uni (one), uniform (consistent), unique (unparalleled), universal (concerning all) and university (institution of learning).

'Gauge' - is an estimate of assessment; measure. 'GAUGE' is also an acronym for Graduate and Under-Graduate Entrance.

'Uni- GAUGE' is a pan-India, computer-aided assessment platform.

It enables students to take 'one entrance exam' and seek 'admission' to many universities across India. It stands for trust, transparency and reliability in assessment.

'Uni-GAUGE' has commenced entrance exams for post-graduate and undergraduate courses in medical, dental, engineering and technology. Going forward, the 'Uni-GAUGE' platform will be extended for admission to many more courses.

## About Uni-GAUGE EMeD 2017 Examination

ERA Foundation is conducting Uni-GAUGE EMeD 2017 for students seeking admission to Engineering, Medical and Dental at undergraduate level. Scores obtained by students in the Uni-GAUGE EMeD 2017 examination is one of the eligibility criteria for admission to B.E/B.Tech, MBBS and BDS courses in Participating Member Universities.



## ERA FOUNDATION Uni-GAUGE EMeD 2017

### IMPORTANT DATES

Start Date for Filling the Online Application	01 Feb, 2017
Last Date for Submission of Application through offline payment	15 April, 2017
Last Date for Submission of Application through Online Payment	15 April, 2017
Mock test	06 Feb, 2017
Download of Online Test Admission Ticket (Start Date)	28 April, 2017
Download of Online Test Admission Ticket (End Date)	06 May, 2017
Exam Date	07 May, 2017
Publishing of Provisional Answer Keys and start date for online submission of objections/challenge of Provisional Answer keys	11 May, 2017
Last date for receiving challenges/objections pertaining to Provisional Answer Keys	14 May, 2017
Publishing of Final Answer keys	18 May, 2017
Download of Test Score Online	20 May, 2017

## ASSISTANCE / FACILITIES TO CANDIDATES

In order to provide timely information to the candidates about their applications, or the entrance test, or the results thereof, ERA has made the following arrangements:

The ERA helpline Toll free number is 1-800-103-4791. The ERA Office is operational from 10:00 am to 5:00 pm, Monday to Friday, and from 10:00 am to 1:00 pm on Saturday. The ERA office is not operational on Sunday and other public holidays.

Candidates can send their queries through E-mail at [helpdesk@erafoundationindia.org](mailto:helpdesk@erafoundationindia.org).

## PAYMENT OF FEES

Schedule of Payment of Fees at the time of admission / first year:

- First Installment: At the time of admission
- Second Installment: On or before 14th November 2017

## SCHEDULE OF PAYMENT OF FEES IN SUBSEQUENT YEARS

- First Installment: On or before 30th April of the calendar year.
- Second Installment: On or before 14th November of the calendar year.

## LATE FEE PAYMENT

Those students who fail to deposit fee by the due date shall be levied a fine of Rs. 100/- per day including Sunday / Holidays up to 15 days. The name of the those students, who fail to deposit the fee with requisite fine within 15 days from the due date as mentioned above, shall be struck off from the rolls of the University immediately thereafter. However, such students may be re-admitted with the approval from Dean of the Faculty concerned after they deposit Rs. 2000/- as re-admission charges along with the fees and fine Rs. 1500/-. The period during which the name of the student remains struck off will not be treated as inactive period for the purpose of calculation of attendance requirement.

## PROCEDURE FOR CHANGE OF PROGRAM

Consequent to Admission, if any student is desirous of seeking admission to any other program being run in the university, he/she will have to put in an application to the respective Dean of the Faculty. Thereafter, the case will be processed on file and case referred to Dean of the faculty in which Admission is sought, who may concur or otherwise. If concurred by the Dean of the Faculty to which the admission is sought, the file will be forwarded to Director Admissions for getting the program changed. In all such cases a processing charge of Rs. 3000/- will apply.

## SCHOLARSHIP/ FREESHIP POLICY

The university offers Scholarships to all students on the basis of marks/CGPA in the qualifying examination as per following scale: UG level Programmes (except for B.Tech Mech. Engg.-Industry Integrated)

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 Fee Waiver

### In case of B.Tech Mech. Engg. - Industry Integrated

90.00% & above	50% Tuition Fee Waiver.
85.00% & above but below 90.00%	25% Tuition Fee Waiver

### PG level 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 Fee Waiver

- For Purpose of Scholarship/tuition fee waiver, the marks will not be rounded off to the next higher figure.
- However, they are required to pay other fees as applicable to the programme concerned. Such students shall be required to maintain a minimum SGPA of 7.0 in the subsequent semesters without having any compartment in any subject and minimum 75% attendance in each semester, failing which the Scholarships awarded shall be withdrawn. For the purpose of calculation of percentage marks, aggregate marks in the qualifying exams shall only be considered even if the eligibility criteria is limited to some number of subjects.

- In addition, suitable free ship shall be available to high achievers in the field of sports, persons suffering with Thalassaemia Major, sons / daughters of Army Personnel who have been killed in war/ terrorist attack, physically handicapped students etc. on case to case basis.
- Candidates passing out from any of the Manav Rachna Educational Institutions and wards of faculty / staff member of any of the MREI will get one time concession of Rs.5000/- at the time of admission in any of the programs being offered at Manav Rachna International University.

## MERIT SCHOLARSHIP OTHER THAN SCHOLARSHIP/FREESHIP

In order to motivate the students for better and sustained academic performance MRIU offers Merit Scholarship other than Scholarship / free ship enumerated above, for students securing 1st,2nd and 3rd positions in the odd & Even semester exams (based on the amalgamated SGPA / CGPA) every year for each programme being run at MRIU, as under:

- First position : 25% of Tuition Fee or Rs. 25000/- which ever is less
- Second Position : 15% of Tuition Fee or Rs. 15000/- which ever is less
- Third Position : 10% of Tuition Fee or Rs. 10000/- which ever 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.





## STUDENT STAFF & ALUMNI WELFARE FUND (SSAWF)

1. The young and the budding talent in MREI should not go a begging for want of resources in the field of technical education, research in physical science, social science and any other topic of topical interest emerging in the environment. To fulfill the ibid vision, the MRVF has taken a conscious decision to muster financial resources in the name and style of STUDENT STAFF AND ALUMNI WELFARE FUND (SSAWF).
2. The SSAWF resources would be utilized for accomplishing the under mentioned objectives
  - a. Rendering financial assistance to students, staff and alumni for research and higher studies for improving the overall well being of the under privileged and have knots of the society.
  - b. To provide financial assistance / scholarship to needy students for continuation of their higher studies.
  - c. To render assistance including ex-gratia payment to alumni for higher studies, distress and other contingency.
  - d. To honor MREI students, staff and alumni for their outstanding achievements in studies, profession, sports and entrepreneurship.
  - e. To provide financial and other resources for families of MREI owing to any natural calamity such as earthquakes, floods etc.
  - f. To provide financial support.



## POLICY FOR WITHDRAWAL AND REFUND OF FEES

Refund of Fees is governed in accordance with guidelines laid down in UGC letter No: D.O.1-3/2007 (CPP-II), Details are available on website [www.manavrachna.edu.in](http://www.manavrachna.edu.in).

## LIST OF OTHER DOCUMENTS TO BE DEPOSITED AFTER ADMISSION

In addition to the documents mentioned under Physical Counseling (Point no. 2), all students will be required to submit following documents either during the orientation program after start of classes or within 3 days from the date of admission whichever is later:

- a) Certificate of Medical Fitness
- b) Migration Certificate
- c) Proof of Residence (Aadhar Card/Ration Card/ Electricity Bill/ Telephone Bill/ Driving License etc.)
- d) Undertaking by candidate and by parents for "Anti Ragging", the format for which shall be available on MRIU website
- e) Undertaking by parents for total family income from all sources along with proof of income in the form of current Income Tax Return/ Certificate of Income from employers of parent(s)/ proof of survey conducted by DRDA of the district concerned of the applicant or any other authorized Government agency/ any other valid proof (Original/ Attested Photocopy).
- f) Any other document required / notified later.

## INSTRUCTIONS FOR CURBING RAGGING

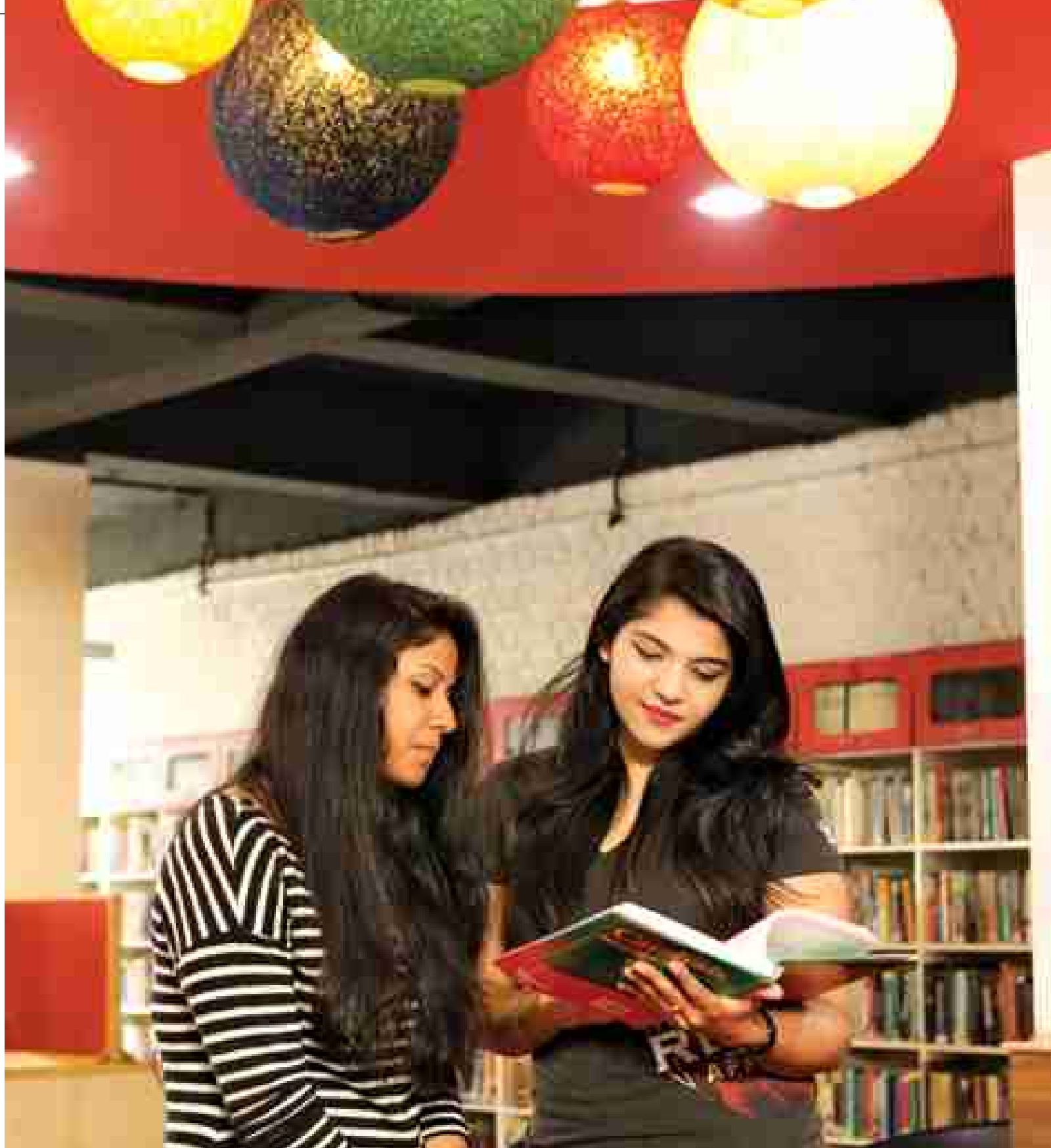
As per orders of the Hon'ble Supreme Court, Ragging is a Grievous Offence. Any one indulging in ragging will be severely punished. The punishment may take the form of expulsion from the Institution, suspension from the Institute or classes for a limited period or fine with a public apology. The punishment may also take the shape of (i) Reporting to the police and lodging an FIR (ii) Withholding scholarships or other benefits, (iii) Debarring from representation in events, (iv) Withholding results, (v) Suspension or Expulsion from hostel or mess, and the like. If the individuals committing or abetting ragging are not/ cannot be identified, collective punishment may be awarded to act as a deterrent.

All cases of ragging will be referred to Anti Ragging Committee of the University. All affected students are at liberty to approach Anti Ragging Committee/Squads on Telephone Numbers prominently displayed in the University.

The following will be termed as the act of ragging:

Any disorderly conduct whether by words spoken or written or by any act, which has the effect of teasing, treating or handling with rudeness any other student(s), indulging in rowdy or indisciplined activities which may cause or are likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in fresher or junior student(s) or asking the student(s) to do any act or perform something, which such student(s) will not do in the ordinary course and which has the effect of causing or generating a sense of shame or embarrassment so as to adversely affect the physique or Psyche of a fresher or a junior student.

All students enrolled in the University are bound by the directions of UGC/ AICTE and other regulatory bodies in respect of prevention of ragging in educational institution campuses. Hence they are advised to keep themselves updated on their websites.



## ATTENDANCE RULES AND CODE OF CONDUCT

Clause 8 of Ordinance No. 3 titled, "Conduct and Evaluation of Examinations for Programmes Leading to All Bachelor's/ Master's Degrees and Diplomas following Semester System" provides as under:

"A student shall be required to have a minimum attendance of 75% in the aggregate of all the courses taken together and 75% in each individual theory/ lab course in a semester.

Student who has been detained due to shortage of attendance shall not be allowed to be promoted to the next semester and he/she will be required to take re-admission and repeat all courses of the said semester with the next batch of students. The University Enrolment number of such student shall however remain unchanged and he or she shall be required to complete the programme in a maximum permissible period as mentioned in clause 4(c) of the Ordinance.

Dean of the Faculty concerned shall announce the names of all such students who are not eligible to appear in the semester-end examination, at least 4 calendar days before the start of the semester-end examination and simultaneously intimate the same to the Controller of Examinations. In case any student appears by default, who in fact has been detained by the Faculty, his / her result shall be treated as null and void."

The students are advised to ensure that they meet the minimum attendance requirement for appearing in the semester end examination failing which they shall not be allowed to sit in the examination. Students are also advised to maintain utmost expected discipline in and outside the University Campus. Disturbance of tranquility of the Campus in particular and society in general, through any means shall be treated as an act of indiscipline and suitable disciplinary action shall be taken against the defaulting students. Students are also advised to dress appropriately, while in campus, as per the demands of the occasion.

University has zero tolerance for indiscipline in and outside the campus by the students. Drinking, taking drugs, damaging University property, indulging in any kind of violence, misbehaving with fellow students / teachers, ragging etc. are included in the list of undesirable activities and constitute the moral turpitude. Very strict action including suspension / rustication from the roles of the University may be taken against the defaulting students.



## GENERAL INSTRUCTIONS

It is the responsibility of the applicant that the form is complete in all respects before the last date of submission.

In case the applicant has applied prior to declaration of results of qualifying examinations or any examination to be considered for drawing up the merit list of the programme applied for, it is his/her responsibility to ensure that result of the examination is uploaded/included in the application form within 3 days of declaration of such result.

The student would be liable for necessary action as deemed fit by the MRIU for any wrong information filled in the application form. If a candidate is admitted on the basis of information submitted by him/ her, which is found to be incorrect or false on a later date, his/ her admission shall be cancelled and all fees and other dues paid by him/her shall be forfeited. The University may also take further action as deemed fit against such candidate and / or his/ her parents / guardians as considered suitable.

Manav Rachna International University presently follows the reservation policy as under: NRI/ Foreign National / PIO seats: 15% in all programmes/ courses. General Seats: 85%.



Mere inclusion of the name of a candidate in the merit list would not ensure his / her admission. Candidate would be required to prove his / her eligibility for admission by providing original and genuine documents in physical counseling in support of the claims made.

All fees are payable through Demand Draft in the name of 'Manav Rachna International University' payable at Faridabad/ Delhi. Students may please ensure that fees are only paid to the Accounts Department, and a receipt obtained on the spot.

The admission made by MRIU shall be provisional, till the same is confirmed by the Registration Branch of the University.

If the University Authorities are not satisfied with the character, past behavior and antecedents of a candidate, they may refuse to admit him/her in the University. In order to ensure academic standards, discipline and congenial atmosphere in the University, the Vice-Chancellor of the University/ Dean of the concerned Faculty may cancel the admission of any student who is found to be involved in activities which are prejudicial to maintaining harmony on the campus. The University has a streamlined method of redressal of grievances. The Grievances Redressal Committee addresses all kinds of grievances including those pertaining to admissions, examinations, conduct on the campus etc. on top priority.

The University has a Prevention of Sexual Harassment Committee to deal with all Sexual Harassment related issues, which are handled on utmost priority. The candidates who are admitted in the University would be required to follow all rules and regulations in letter and spirit, conduct themselves in an orderly manner and maintain the best decorum, failing which suitable penal action would be taken against them. Canvassing in any form for influencing the admission by any candidate and/ or his/ her parents/ guardians would result in his/ her summary rejection for admission. The admission procedure is subject to modification, without notice, as per directions of UGC or any competent authority. The final cut off date for admission to all the courses is 30 September 2017. Admission Calendar is only indicative and subject to change by the competent authority.

All applicants are instructed to follow the MRIU website on a regular basis for date of counseling and other details related to the admission process.

The contents of the Admission Brochure are subject to change without prior notice. All disputes pertaining to admission under the domain of Admission Brochure are subject to the jurisdiction of Courts at Faridabad only.

# PROGRAMS OFFERED AT MRIU

The details of Programmes offered at MRIU including intake, fees, minimum eligibility criteria and criteria for preparation of merit list are tabulated below:

FACULTY OF ENGINEERING AND TECHNOLOGY (FET)										
S. No.	Name of the Programme	Duration	Intake	FEES (per annum) for Indian Nationals in Rupees	FEES (per annum) in US \$ for PIO/NRI Students	Minimum Eligibility Criteria	Criteria for Preparation of Merit List - Preference Wise			
							I	II	III	IV
<b>Bachelor of Technology</b>										
1	Aeronautical Engg. (See Note 3)	4 Yrs	30	1,70,000	US \$ 5000	Pass in 10+2 examination with at least 60% marks in aggregate in 5 subjects and eligibility shall be determined on the basis of percentage of aggregate marks in i. English, Physics & Mathematics and ii. One subject out of Chemistry, Computer Science, Biology or Biotechnology and iii. One subject with the highest score out of the remaining subjects	Merit in MRNAT 2017 (See Note1)	Merit in Uni GUAGE EMeD 2017 (See Note 2)	JEE Mains 2017 Score	Marks in qualifying examination
2	Automobile Engg (See Note 3)		30	1,70,000	US \$5000					
3	Civil Engg.		60	1,70,000	US \$ 5000					
4	Computer Science Engg. (See Note 3)		120	1,70,000	US \$ 5000					
5	Computer Science & Engg. in association with IBM in any one of the following specializations: (See Note 4)									
5a	Cloud Computing		90	1,95,000	US \$5000					
5b	Business Analytics & Optimization		30	1,95,000	US \$ 5000					
5c	Cyber Security & Forensics		60	1,95,000	US \$ 5000					
5d	Graphics and Gaming		30	1,95,000	US \$ 5000					
6	Electrical & Electronics Engg. (See note 5)		30	1,70,000	US \$ 5000					
7	Electronics & Communication Engg. (See Note 3)	60	1,70,000	US \$ 5000						
8	Mechanical Engineering (See Note 3)	90	1,70,000	US \$ 5000						
9	Mechanical Engineering - Industry Integrated in association with JBM (See Note 6)	30	2,30,500	US \$ 5500	Pass in 10+2 examination with at least 65%marks in aggregate in 5 subjects including Physics, Mathematics & English as compulsory subjects along with one of the following subjects- Chemistry, Bio Technology, Computer Science, Biology					
10	Biotechnology	30	1,70,000	US \$ 5000	Pass in 10+2 examination with at least 60% marks in aggregate in 5 subjects and eligibility shall be determined on the basis of percentage of aggregate marks in i). English, Physics, Mathematics or Biology and ii). One subject out of Chemistry, Computer Science, Biotechnology, Mathematics or Biology and iii). One subject with the highest score out of the remaining subjects					
<b>Sub Total</b>			<b>720</b>							

FACULTY OF ENGINEERING AND TECHNOLOGY (FET)								
S. No.	Name of the Programme	Duration	Intake	FEES (per annum) for Indian Nationals in Rupees	FEES (per annum) in US \$ for PIO/NRI Students	Minimum Eligibility Criteria	Criteria for Preparation of Merit List - Preference Wise	
							I	II
<b>Master of Technology and Master of Science</b>								
1	M. Tech. Biotechnology	2 Yrs	18	1,00,500	US \$ 3300	Minimum 55% Marks or equivalent CGPA in B.Tech. - Biotechnology/ Microbiology/ Botany/ Zoology or M.Sc. Bio Sciences	Merit on the basis of Valid GATE	Merit in Qualifying Exam
2	M. Tech. Mechanical Engineering		18	1,00,500	US \$ 3300	Minimum 55% Marks or equivalent CGPA in B.Tech. in any discipline		
3	M. Tech. Computer Engineering/Computer Engineering with specialization in Computer Networking		18	1,00,500	US \$ 3300	Minimum 55% Marks or equivalent CGPA in B.Tech.- Electronics & Communication Engg. / Telecommunication Engg./ Computer Science & Engg./ Information Technology/ Electronics & Instrumentation Engg./ Instrumentation & Control Engg./ Electrical & Electronics Engg./ Electrical Engg./ Power Electronics or MCA or MSc.- Computer Science/ Information Technology/ Electronics/ Physics/ Mathematics as one of the subjects		
4	M. Tech. Electrical Engg. With specialization in Power Systems and Electrical Drives		18	1,00,500	US \$ 3300	Minimum 55% Marks or equivalent CGPA in B.Tech.- Electronics & Instrumentation Engg./ Instrumentation & Control Engg./ Electrical & Electronics Engg/ Electrical Engg./ Power Electronics or Electronics as one of the subjects		
5	M. Tech. Civil Engineering with specialization in Structural Engg/ Construction Management/ Transportation Engineering		18	1,00,500	US \$ 3300	Minimum 55% Marks or equivalent CGPA in B.Tech.-Civil Engg.		
6	M.Sc. Biotechnology		20	1,00,500	US \$ 3300	Minimum 50% marks in B.Sc. with any subject related to Life Sciences		
<b>Sub Total</b>			<b>110</b>					

FACULTY OF ENGINEERING AND TECHNOLOGY (FET)										
S. No.	Name of the Programme	Duration	Intake	FEES (per annum) for Indian Nationals in Rupees	FEES (per annum) in US \$ for PIO/NRI Students	Minimum Eligibility Criteria	Criteria for Preparation of Merit List - Preference Wise			
							I	II		
<b>Bachelor of Technology (Lateral Entry)</b>										
1	Aeronautical Engineering	3 Yrs	6*	1,65,500	50% marks in Diploma in Engineering in any branch/discipline of 3 year duration, from State Board of Technical education, Haryana or equivalent examination or B.Sc. Degree from a recognized University as Defined by UGC, with at least 50 % marks and passed XII standard with Mathematics as a subject.	Merit in MRNAT 2017	Merit in Qualifying Examination			
2	Automobile Engineering		6*	1,65,500						
3	Biotechnology		12*	1,65,500						
4	Civil Engineering		12*	1,65,500						
5	Computer Science and Engineering		12*	1,65,500						
6	Computer Science & Engg. in association with IBM in any one of the following specializations: (See Note 4)									
6a	Cloud Computing		24*	1,90,500						
6b	Cyber Security & Forensics		12*	1,90,500						
6c	Business Analytics and Optimization		6*	1,90,500						
6d	Graphics and Gaming		6*	1,90,500						
7	Electronics & Communication Engineering	12*	1,65,500	65% marks in Diploma in Mechanical/Automobile/Aeronautical/Production Engg. from State Board of Technical Education Haryana or equivalent.	Merit in MRNAT 2017	Merit in Qualifying Examination				
8	Electrical & Electronics Engineering	6*	1,65,500							
9	Mechanical Engineering	24*	1,65,500							
10	Mechanical Engineering with Industry Integrated in association with JBM (See Note 5)	6*	2,26,000							
<b>Sub Total</b>			<b>144</b>				*In addition to 20 % seats of the sanctioned intake of various B.Tech.Normal entry Programmes of AY 2016-17, admissions in B. Tech Lateral Entry shall also be made against the seats remaining vacant in 1st year of AY 2016-17.			

#### NOTES:

- For details of MR NAT 2017 and its schedule please refer to page no. 54 of this brochure
- For details of Uni GUAGE EMeD 2017 and its schedule please refer to page no. 55 of this brochure
- 40 Hours Business Process Course of SAP has been embedded as a part of curriculum for this programme to make our students recruitment ready for job opportunities in varied industries and other enterprises. Arming students with knowledge of SAP technology can give them an extra edge once they leave their institutions and enter workplace.
- FET offers B.Tech. - Computer Science & Engineering with specializations in Cloud Computing, Business Analytics & Optimization. Cyber Security & Forensics and Graphics and Gaming Technology in association with IBM which is a well known multi-national conglomerate having a turnover of more than US\$ 100 billion and worldwide business in computer hardware/software, IT services and consulting. IBM shall deliver specialized modules in the above mentioned and other domain areas in consultation with IT industry to enhance employable skills of Engineering/ Management Graduates, which consist of Learning Management System, Student Project, Expert lectures from Corporates, visits to software development and testing centers. FET students enrolled in these programmes shall be extensively exposed to professional environment and industrial experience under the mentorship of academic and IT Industry experts. Those students who excel in the specified domain skills shall definitely be preferred by the reputed IT employers through campus drive. IBM shall also issue certificates for various modules after their successful completion in addition to MRIU degree.
- B.Tech in Electrical Engineering programme with specialization in Power Electronics is jointly offered with Su-Kam, India's largest power solutions company which has presence in 90 countries worldwide and holds a record for being the only company in this field to file for over 100 patents. As per the need of curriculum, Su-Kam shall facilitate opportunities for students for industrial visits, industry integrated projects and six months Industry Internship. This programme will assure placement in various companies in India at minimum package of 3.4 Lac per annum or as per market norms at that time. A letter of intent shall be given to the students at the time of admission specifying all terms and conditions to be met by the students for the assured placement under this programme. A letter of offer shall be given to the students who meet placement criteria within 15 days from the date of declaration of 8th semester results.
- B.Tech-Mech Engg. (Industry Integrated) is jointly offered with JBM Group of Industries in which academic delivery shall also be made by Industry Experts in 3rd and 4th year. Programme includes 6 months structured industrial training in selected industries and assured placement in specified industries with minimum package of Rs. 3 Lac per annum with conditions. Letter of intent in this regard is issued at the time of admission.



FACULTY OF COMPUTER APPLICATIONS (FCA)								
S. No.	Name of the Programme	Duration	Intake	FEES (per annum) for Indian Nationals in Rupees	FEES (per annum) in US \$ for PIO/NRI Students	Minimum Eligibility Criteria	Criteria for Preparation of Merit List - Preference Wise	
							I	II
1	Bachelor of Computer Applications (BCA) (See Note 7)	3 Yrs	120	1,16,000	US \$ 3300	50% marks in 10+2 with pass in English as a Compulsory subject	MRNAT 2017	Marks in Qualifying Examination
2	Bachelor of Science - Information Technology (See Note 8)	3 Yrs	30	1,08,000 + NZ\$ 933 as foreign fee component	US \$ 3300 + NZ\$ 933 as foreign fee component	50% marks in aggregate of best 5 subjects in 10+2 in any stream with pass in English plus and (a) Having studied in English medium from class 8th to class 12th Or (b)IELTS composite score at 6.0 with individual score not less than 5.5		
3	Master of Computer Applications (MCA)/(including Lateral Entry)(See Note 7)	3 Yrs	45	1,16,000	US \$ 3300	50% marks in any discipline in Graduation with Mathematics either at 10+2 Level/Graduation Level		
Sub Total			195					

**Note 7:** 40 Hours Business Process Course of SAP has been embedded as a part of curriculum for this programme, to make our students recruitment ready for job opportunities in IT industries and other enterprises. Arming students with knowledge of SAP technology can give them an extra edge once they leave their institutions and enter workplace.

**Note 8:** B.Sc- Information Technology is being offered in collaboration with Auckland Institute of Studies (AIS).AUCKLAND INSTITUTE OF STUDIES (AIS), Auckland, New Zealand is a unique tertiary institution providing NZQA Accredited Diploma, UG and PG level programmes. It also has the largest MBA program in NZ. AIS has partnered with MRIU to provide curriculum and accreditation support for B.Sc (IT).

FACULTY OF APPLIED SCIENCES (FAS)								
S. No.	Name of the Programme	Duration	Intake	FEES (per annum) for Indian Nationals in Rupees	FEES (per annum) in US \$ for PIO/NRI Students	Minimum Eligibility Criteria	Criteria for Preparation of Merit List - Preference Wise	
							I	II
1	Bachelor of Physiotherapy (BPT)	4½ Yrs (including 6 month compulsory internship)	90	1,50,500	US \$ 3300	Aggregate 50% marks (Best 5 subjects) in 10+2 with pass in Physics, Chemistry, Biology and English	MRNAT 2017	Marks in Qualifying Examination
2	Master of Physiotherapy (MPT) with specialization in Musculoskeletal, Cardiopulmonary, Sports, Neurology	2 Yrs	20	1,15,500	US \$ 3300	50% marks in aggregate in Bachelor of Physiotherapy		
3	B.Sc. - Nutrition & Dietetics	3 Yrs (including 2 month clinical / industrial training)	75	1,15,500	US \$ 3300	Aggregate 50% marks (Best 5 subjects) in 10+2 in any stream with pass in English.		
4	M.Sc. - Nutrition & Dietetics	2 Yrs	50	1,15,500	US \$ 3300	50% marks in aggregate in graduation, Bachelor's degree in Nutrition, Home Science, Nursing, Food Technology, Medical Lab Technology, Biochemistry, Microbiology, Physiology, Zoology, Physiotherapy, Medicine, Dental Science, Life Sciences, Sports Science or equivalent examination		
Sub Total			235					

**Note 9:** MRIU has tie up with Dr. Lal Path Labs for conducting BMLT program and providing practical exposure to students of BMLT, to provide internship/summer training and preferential placement.

FACULTY OF COMMERCE AND BUSINESS STUDIES (FCBS)								
S. No.	Name of the Programme	Duration	Intake	FEES (per annum) for Indian Nationals in Rupees	FEES (per annum) in US \$ for PIO/NRI Students	Minimum Eligibility Criteria	Criteria for Preparation of Merit List - Preference Wise	
							I	II
1	Bachelor of Business Administration (BBA) General (See Note 10)	3 Yrs	120	1,50,500	US \$ 3300	50% marks in aggregate of best 5 subjects at 10+2 in any stream with pass in English.	MRNAT 2017	Marks in Qualifying Examination
2	Bachelor of Commerce (Hons.) (See Note 10)	3 Yrs	120	1,15,500	US \$ 3300	50% marks in aggregate of best 5 subjects at 10+2 in any stream with pass in English.		
3	Bachelor of Business Administration (Banking & Financial Markets) (See Notes 10 & 11)	3 Yrs	60	1,54,000	US \$ 3300	50% marks in aggregate of best 5 subjects at 10+2 in any stream with pass in English, and minimum 55% marks at 10th standard exam.		
4	B.A. (Hons)- Economics	3 Yrs	30	1,00,500	US \$ 3300	50% marks in aggregate of best 5 subjects in 10+2 in any stream with pass in English		
5	Bachelor of Business Administration (Global) - International Business (See Notes 10 & 12)	3 Yrs	60	1,17,500 +NZ\$ 833 as foreign fee component	US \$ 3300 +NZ\$ 833 as foreign fee component	50% marks in aggregate of best 5 subjects in 10+2 in any stream with pass in English plus (a) Having studied in English medium from class 8th to class 12th or (b) IELTS composite score at 6.0 with individual score not less than 5.5		
6	Bachelor of Commerce (Hons.)- Industry Integrated (See Notes 10 & 13)	3 Yrs	40	1,33,500	US \$ 3300	50% marks in aggregate of best 5 subjects at 10+2 in any stream with pass in English.		
7	M.Com	2 Yrs	20	1,15,500	US \$ 3300	50% marks in aggregate in B.Com, BBA (any stream) and BA Economics		
Sub Total			450					

**Note 10:** 40 Hours Business Process Course of SAP has been embedded as a part of curriculum for this programme, to make our students recruitment ready for job opportunities in IT industries and other enterprises. Arming students with knowledge of SAP technology can give them an extra edge once they leave their institutions and enter workplace.

**Note 11:** BBA (Banking and Financial Markets) is conducted in association with ICICI Direct Centre for Financial Learning (ICFL). One course in every semester is delivered by ICFL experts.

**Note 12:** AUCKLAND INSTITUTE OF STUDIES (AIS), Auckland, New Zealand is a unique tertiary institution providing NZQA Accredited Diploma, UG and PG level programmes. It also has the largest MBA program in NZ. AIS has partnered with MRIU to provide curriculum and accreditation support for BBA-(Global) International Business.

**Note 13:** B.Com (Hons.) - Industry Integrated Programme includes KPMG Course for Accounting Professionals (KCAP) to be delivered by KPMG Experts with 100% placement assistance. B.Com (Hons.)- is similar to B Com (Hons)-Industry Integrated except that it excludes KCAP subjects.

FACULTY OF MEDIA STUDIES & HUMANITIES (FMeH)								
S. No.	Name of the Programme	Duration	Intake	FEES (per annum) for Indian Nationals in Rupees	FEES (per annum) in US \$ for PIO/NRI Students	Minimum Eligibility Criteria	Criteria for Preparation of Merit List - Preference Wise	
							I	II
1	BA-Journalism & Mass communication (See Note 14)	3 Yrs	90	1,30,500	US \$ 3300	50% marks in aggregate of best 5 subjects in 10+2 in any stream with pass in English	MRNAT 2017	Marks in Qualifying Examination
2	MA-Journalism & Mass Communication (See Note 14)	2 Yrs	20	1,30,500	US \$ 3300	50% marks in any stream at Graduation level with pass in English in 10+2		
3	BA-English (Hons)	3 Yrs	60	1,00,500	US \$ 3300	50% marks in aggregate of best 5 subjects in 10+2 in any stream with pass in English		
4	MA- English	2 Yrs	20	1,00,500	US \$ 3300	50% marks in any stream at Graduation level with pass in English in 10+2		
Sub Total			190					

**Note 14:** FMeH has a tie up with NDTV Worldwide: Broadcast Media Consultants as Knowledge Partners for workshops on various aspects of broadcast journalism for both B.A and M.A - Journalism and Mass Communication programmes, keeping in view the current technology trends, innovations in journalism and up to date workflows for news television. These workshops shall cover reporting, anchoring, breaking news, news production and the role of a producer, different departments of a news channel, writing for television news, the newsroom scenario, operations - live PCR / camera/ editing / technical overview of modern television newsrooms and Digital Media.

FACULTY OF PLANNING AND ARCHITECTURE (FPA)								
S. No.	Name of the Programme	Duration	Intake	FEES (per annum) for Indian Nationals in Rupees	FEES (per annum) in US \$ for PIO/NRI Students	Minimum Eligibility Criteria	Criteria for Preparation of Merit List - Preference Wise	
							I	II
1.	Bachelor of Architecture (B.Arch.) (See Note 15)	5 Yrs	40 (General-34 NRI-06)	2,54,500	US \$ 5500	Pass in 10+2 of Sr. School Certificate Examination or equivalent with at least 50% marks in the aggregate in Best 5 subjects including Mathematics as a subject of examinations at the 10+2 level or 10 +3 Diploma (any stream) recognized by Central/ State Government with a minimum of 50% aggregate marks. or International Baccalaureate Diploma, after 10 years of schooling, with not less than 50% marks in aggregate and with Mathematics as a compulsory subject of examination.	Marks in qualifying Examination i.e. 10+2 Equivalent & Aptitude Test (NATA of CoA) OR JEE of CBSE in the ratio of 50:50. Note: All admissions to architecture degree course shall be subject to passing of National aptitude Test in Architecture (NATA) conducted by the council of Architecture (CoA) OR JEE of CBSE.	NA
2	B.Sc. Interior Design	3 Yrs	40	1,03,500+ CA\$ 733 as foreign fee component	US\$3300+ CA\$ 733 as foreign fee component	Pass in 10+2 of Sr. School Certificate Examination or equivalent with at least 50% marks in the aggregate in Best 5 subjects in any stream.	MRNAT 2017	Marks in Qualifying Examination
<b>Sub Total</b>			<b>80</b>					

- Note 15:**
- All admissions to architecture degree course shall be subject to passing of National Aptitude Test in Architecture (NATA) conducted by the Council of Architecture & JEE of CBSE. MRIU has an approved centre in its campus for conduct of NATA.
  - The course shall be of 5 academic years, inclusive of six months of practical training after the first stage (3 years) in a professional's office.
  - The 5 years Bachelor's degree in Architecture course is conducted in two stages.
  - First Stage: The first stage shall be of three years (six semesters) of institutional academic studies. Maximum permissible period for the successful completion of first stage shall be five years from the date of admission.
  - Second Stage: The second stage shall be of two academic years (four semesters) including six months of practical training
  - The maximum permissible period for completing the Bachelor's Degree program in Architecture for which the prescribed program duration is  $5(=n)$  years, shall be  $n+5=10$  years.

Each year comprises of two semesters of 18 working weeks each.



FACULTY OF MANAGEMENT STUDIES (FMS)

S. No.	Name of the Programme	Duration	Intake	FEES (per annum) for Indian Nationals) in Rupees	FEES (per annum) in US \$ for PIO/NRI Students	Minimum Eligibility Criteria	Criteria for Preparation of Merit List - Preference Wise	
							I	II
1	Master of Business Administration (with Dual Specialization-Finance (in collaboration with KPMG), Marketing, Human Resource, International Business (in collaboration with Edinburgh Napier University), Business Analytics, Information Technology, Digital Marketing, Entrepreneurship, Events & Media) (See Note 16 & 17)	2 Yrs	120	2,49,500	US \$ 5500	Graduation/ Post Graduation or have passed the final examination conducted by the institute of Chartered Accountants of India/ Institute of Cost & Works Accountants of India/ Institute of Company Secretaries of India/ any other course which is Government recognized course with minimum 50% marks On the basis of Merit in the Combined Merit List based upon the following weightages: Marks in Class X-10% Marks in Class XII-10% Marks in Graduation-10% Behaviour Skill Test-10% Marks in Entrance Test 25% GD/Essay-10% Personal interview - 20% Work Experience/ Extra Curricular Activities - 5%		NA
2	Master of Arts - Applied Psychology (with specializations in following areas: Clinical, Counseling, Industrial and Organizational, Educational, Health, Sports, Psychological Assessment and Psychometric Testing, Personality Assessment, Social., Cognitive & Perceptual, Community, Consumer, Developmental, Engineering, Environmental, Evolutionary, Experimental, Forensic & Criminal, Neuropsychology, Rehabilitation & School Psychology)	2 Yrs	20	1,00,500	US \$ 3300	50% marks in Bachelor Degree in any discipline from a recognized University.	MRNAT 2017	Marks in Qualifying Examination

FACULTY OF MANAGEMENT STUDIES (FMS)								
S. No.	Name of the Programme	Duration	Intake	FEES (per annum) for Indian Nationals in Rupees	FEES (per annum) in US \$ for PIO/NRI Students	Minimum Eligibility Criteria	Criteria for Preparation of Merit List - Preference Wise	
							I	II
3	Bachelor of Arts - Applied Psychology (with specializations in Clinical Psychology, Counseling Psychology, Industrial and Organizational Psychology, Educational Psychology, Consumer Psychology, Health Psychology, Sports Psychology, Testing and Assessment, Personality and Social Psychology, Developmental Psychology)	3 Yrs	60	1,00,500	US \$ 3300	50% marks in aggregate of best 5 subjects in 10+2 in any stream with pass in English		
4	Bachelor of Science - Hospitality and Hotel Administration	3 Yrs	60	1,30,500	US \$ 3300	50% marks in aggregate of best 5 subjects in 10+2 in any stream with pass in English		
<b>Sub Total</b>			<b>260</b>					

**Note 16:** 40 Hours Business Process Course of SAP has been embedded as a part of curriculum for this programme to make our students recruitment ready for job opportunities in varied industries and other enterprises. Arming students with knowledge of SAP technology can give them an extra edge once they leave their institutions and enter workplace.

**Note 17:** a. In case result of the final exam has not been declared up to the cut-off date for preparation of merit list, marks scored in pre-final examination shall be considered for the purpose of calculation of weightage of qualifying examination for admission in PG programmes.

b. MBA students who opt for Finance as one of the specializations shall get academic delivery of about 400 hrs by eminent experts from KPMG, a renowned consulting MNC and includes 100% assistance for placement in renowned industries.

c. MBA-Healthcare Programme is jointly offered by MRIU and Fortis Healthcare which includes hospital attachment for one day per week in first 3 semesters and 6 months full hospital attachment in the 4th semester to ensure real life skills required by hospitals.

d. MBA with specialization in International Business shall be offered in Collaboration with Edinburgh Napier University (ENU), UK in which 3 modules namely Building High Performing Organizations, Marketing within the Global Economy, Management and Organizational Change shall be delivered by ENU faculty in MRIU campus. The student will also be certified by ENU along with MBA with specialization in International Business degree from MRIU.



# MRIU ADMISSIONS CALENDAR 2017-18

DESCRIPTION	NAME OF THE PROGRAMME			
	MBA	ALL UG PROGRAMMES EXCEPT B.ARCH, B.TECH-LATERAL ENTRY	B.ARCH	B.TECH-LATERAL ENTRY AND ALL PG PROGRAMMES OTHER THAN MBA
Sale of Application forms open	19.12.2016			
Last Date of Receipt of Application Forms	29.04.2017 (Saturday)	10.05.2017 (Wednesday)	09.06.2017 (Friday)	28.06.2017 (Wednesday)
Date of Uni-GAUGE EMeD 2017* (only for B.Tech)		07.05.2017 (Sunday)		
Declaration of result for Uni-GAUGE EMeD 2017		20.05.2017 (Saturday)		
Date of conduct of NATA (for B.Arch candidates only)			16.04.2017 (Sunday)	
Date of MR-NAT & GD/PI** in batches (wherever applicable)		12.05.2017 (Friday), 13.05.2017 (Saturday) & 14.05.2017 (Sunday) (MRNAT + GD/PI)		01.07.2017 (Saturday) for B.Tech Lateral Entry & all PG Programmes other than M.Tech & MBA (MRNAT + GD/PI)
Declaration of MR-NAT Result		22.05.2017 (Monday)		03.07.2017 (Monday)
Display of Merit List for Physical Counseling		01.06.2017 (Thursday)	13.06.2017 (Tuesday)	03.07.2017 (Monday)
Physical Counseling cum Admissions	05.05.2017 to 07.05.2017 (Friday to Sunday)	05.06.2017 to 07.06.2017 (Monday to Wednesday)	15.06.2017 to 17.06.2017 (Thursday to Saturday)	06.07.2017 to 07.07.2017 (Thursday to Friday)
Walk-in counseling for the seats remaining vacant	08.05.2017 (Monday) onwards	08.06.2017 (Thursday) onwards	18.06.2017 (Sunday) onwards	08.07.2017 (Saturday) onwards
Classes Commence	11.07.2017 (Tuesday)	10.07.2017 (Monday)-Engg. Programmes 11.07.2017 (Tuesday)-Other than Engg. Programmes		17.07.2017 (Monday)

\* For details of Uni-GUAGE EMeD 2017 and its schedule please refer Page no. 55 of this Admission Brochure

\*\* For details of MR-NAT 2017 please refer to page No. 54 of this Admission Brochure



## SCHEDULE OF PAYMENT OF FEES-BATCH 2017-18

FACULTY	PROGRAM	1st INSTALLMENT	2nd INSTALLMENT	TOTAL
FET	B.Tech	120000	50000	170000
	B.Tech- Mech - Ind. Intgd.	180500	50000	230500
	B.Tech- CSE with various specializations in association with IBM	145000	50000	195000
	B.Tech - (Lateral)	115500	50000	165500
	B.Tech-CSE with various specializations in association with IBM (Lateral)	140500	50000	190500
	B.Tech- Mech - Ind. Intgd.(L)	176000	50000	226000
	M.Tech	73000	27500	100500
	M.Sc. - Biotechnology	73000	27500	100500
FCA	BCA	86000	30000	116000
	B.Sc.-IT	80500+NZ\$ 933	27500	108000+NZ\$ *933
	MCA	86000	30000	116000
	MCA- Lateral	86000	30000	116000
FAS	BPT	103000	47500	150500
	MPT	80500	35000	115500
	B.Sc.- N&D	80500	35000	115500
	M.Sc.- N&D	80500	35000	115500
FCBS	BBA	98000	52500	150500
	BBA- Banking & Financial Markets	106500	47500	154000
	BBA- Global - IB	81500+NZ\$ 833	36000	117500+NZ\$*833
	B.Com- Hons.	80500	35000	115500
	B.Com- Hons.- Ind. Intgd.	98500	35000	133500
	BA- (Hons.)- Economics	73000	27500	100500
	M.Com	80500	35000	115500
FMeH	B.A - Journalism and Mass Communication	95500	35000	130500
	M.A - Journalism and Mass Communication	95500	35000	130500
	BA Hons. - English	73000	27500	100500
	MA - English	73000	27500	100500
FPA	B.Arch	164500	90000	254500
	B.Sc.- ID	76000+CN\$ 733	27500	103500+CAN\$*733
FMS	MBA - Dual Specialization	169500	80000	249500
	MA - Applied Psychology	73000	27500	100500
	BA - Applied Psychology	73000	27500	100500
	B.Sc. - Hospitality and Hotel Administration	88000	42500	130500

\* This component represents IEC facilitation fee and includes the amount which is payable to the International Partner Universities. Necessary instructions for payment of this component with respect to time frame and mode of payment shall be given from time to time

# ALUMNI/STUDENT SPEAK

## MANAV RACHNA ALUMNI ASSOCIATION STARS TO MANAV RACHNA GALAXY

**Gagan Narang**  
International record holder (Shooting)  
FMS, (MBA 2010-2012)

I am proud to be associated with Faculty of Management studies, Manav Rachna International University. It not only provides holistic education but also inculcates sports culture in the students

**Ms. Shristi Rana**  
Miss Asia Pacific 2013  
BA (Journalism & Mass  
Communication) (2009-2012)

Thank you Manav Rachna for shaping and developing both my personality and communication skills that helped me to retain myself in the competitive world. Feel proud to be alumni of this university.

**Neetu Joshi**  
Senior Account Manager, Marketing  
and Advertising department - ISTRAT.  
( Batch 2010-2013)

"Advertising is a challenging job & one has to keep abreast with the changing trends. My course at Manav Rachna taught me to be future ready & i had a smooth of sailing from my place of learning to my workplace."

**Mr. Mayank Singh**  
FMS (MBA 2011-2013)

My profession requires understanding people, and at FMS, we were specifically taught about understanding individuals. It is the empathy towards each individual as a unique personality which has made a difference in my career. The role play exercises at FMS were helpful in particular.

**Amrit Baidwan**  
(MBA, Batch: 2010-2012)

The college taught me the real values of profession and life. I enjoyed my student life with good quality of academics. Professors gave me personal attention to overcome my weaknesses. I thank my class mates and teachers for teaching me real lessons of life.

**Nikita Arora**  
CEO -Webnel (Batch 2009-2012)

"I am grateful to Manav Rachna International University and my Faculty for instilling in me the confidence and the grooming which I received during my studies. The message that I have for my colleagues and my juniors is - "Believe in yourself, have a milestone to achieve."

**Mr. Ajit Jati**  
MCA (2010-2013)

A special thanks to MRIU for giving us opportunities for all-round development and confidence to face the challenging market with full impact.

**Mr. Abhishek**  
FCA Alumni MCA (2009-2012)

The faculty members who spend countless hours developing course materials which are industry relevant gave me a good platform to learn and earn.

**Ms. Rupal Pruthi**  
FAS - Gold Medalist M.Sc  
Nutrition & Dietetics

The biggest piece of advice I have for my friends is to take advantage of every opportunity offered.

**Ms. Shubha Rastogi**  
HR professional  
FMS Alumni (MBA 2009-'11)

Being a business professional, I now understand the nuances of the business world. The opportunities given by FMS for interacting with people from the industry are recalled by me each time I approach people for tie- ups. Thank you FMS!

**Varun Singh**  
Quality Evaluator-Converges,  
Gurgaon (Batch-2011-2014)

"My experience at Manav Rachna taught me to take risks. My course made me ready for the industry and I was prepared to meet the challenges of day to day life."

**Jaitika**  
FMS (MBA 2009-2011)

FMS gave me all that I was looking for in a Business School- a wonderful infrastructure, experienced faculty, and excellent grooming. I still remember the wonderful outbound trip where we stayed in the serene environment at the foothills of the Himalayas ensconced in small tents. It was scary but a wonderful experience. I am into corporate sales with JC DeCaux.



# ALUMNI/STUDENT SPEAK

## MANAV RACHNA ALUMNI ASSOCIATION STARS TO MANAV RACHNA GALAXY

**Ms. Neha Narula**  
FAS (MPT, 2013)

I consider myself extremely fortunate to have been a part of an Institution like Manav Rachna. It has given me a lot of exposure and there is so much that I learnt through my classes and teachers. MRIU has made me what I am today & the fact that I am a senior consultant at a prestigious clinic in Delhi is all because of the grooming that I got at Manav Rachna. The experience overall has been awesome, so to say.

**Ms. Payal Bali**  
FMS, (MBA 2014)

As a University, Manav Rachna is superlative and I feel proud to have been a part of its culture & legacy. I am working with a top automobile company (BMW) and know that had it not been Manav Rachna, I may not have landed myself in such a coveted job. I was recruited through the campus placement drive at the University and know Manav Rachna played a vital role in preparing me for the future.

**Priyanka Aggrawal**  
FAS Batch-B.Sc N & D 2011-2014

My main reason for choosing Nutrition and Dietetics programme was because it offers internship/training as part of the course, which I knew would give me a better insight into the Nutrition Science and Dietetics. I loved the breadth of the programme. I discovered subjects I never thought I would enjoy. I was able to build up a big picture on food, the influences of food & how food impacts the population.

**Ankit Kumar Sinha**  
FCA, (MCA 2014)

I am grateful to MRIU for giving me the confidence to forge ahead in life. As I took my degree at the Convocation Ceremony, I was filled with great pride and joy. For me, it was nothing short of a milestone. I am immensely grateful to my Faculty at Manav Rachna and the quality of education they imparted to us. Their technical acumen was so very superior & it was a privilege to be their student. I enjoyed my days at MRIU to the hilt & will always cherish the bygone years.

**Rashmi Pandit**  
BPT (Batch 2010-2014)

Pursuing BPT course in MRIU is best thing to happen to me! I have had some of the best experience here. There is a healthy student- teacher ratio. The curriculum is evidence based with emphasis on never-ending practical & clinical training. Along with curricular activities a number of extracurricular activities are also organized from time to time making the learning experience more memorable. I owe a big Thanks to the teachers having lots of experience and willingness to share it.

**Sonam Chaudhary**  
BPT alumni (Batch 2011-2015)

The Deptt. of Physiotherapy, FAS, Manav Rachna International University has been a great experience for me. My learning at MRIU has changed me personally and professionally. State of the art facilities, promising learning opportunities has given me excellent exposure which has gone a long way towards shaping my personality. Teachers at FAS have always been very motivating and guiding even after college life is over. Thank You MRIU for making me what I am today.... "

**Shruti Piplani**  
MPT alumni (Batch 2013-2015)  
Consultant Physiotherapist, Qi Spine

The Deptt. of Physiotherapy, FAS, MRIU is characterized by good education, practical training and teaching. Most of all, this is probably one of the few Universities in the NCR which assists in campus placement. I have spent some of my most memorable years here and I have been able to pursue my training as a physiotherapist only because of MRIU.

**Vaishali Saini**  
FAS Batch-M.Sc 2010 -2012,  
Regional Trainer, Vestige Marketing Pvt. Ltd.

The Department of Nutrition & Dietetics is home to a vibrant research community and an innovative teaching and learning environment. I chose to join Masters of Nutrition and Dietetics as this course has been running for a number of years & is one of the best places to study Dietetics in the country. The course is excellent, although demanding at times but extremely rewarding.

**Yogesh Chopra**  
MPT

Rigorous clinical training program and approachable academic staff whose warmth and dedication contradict their achievements & prestigious qualifications. A platform is provided for international exposure in the form of student teacher exchange program & conducting various international workshops, seminars and conferences from experienced international faculty to develop the professional skills required for this booming profession. Now I am confident that I will step out having gained a solid foundation of knowledge & clinical acumen.

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Dean- Faculty of Planning and Architecture	0129 - 4198428
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Director- Corporate Resource Centre	0129 - 4198253
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