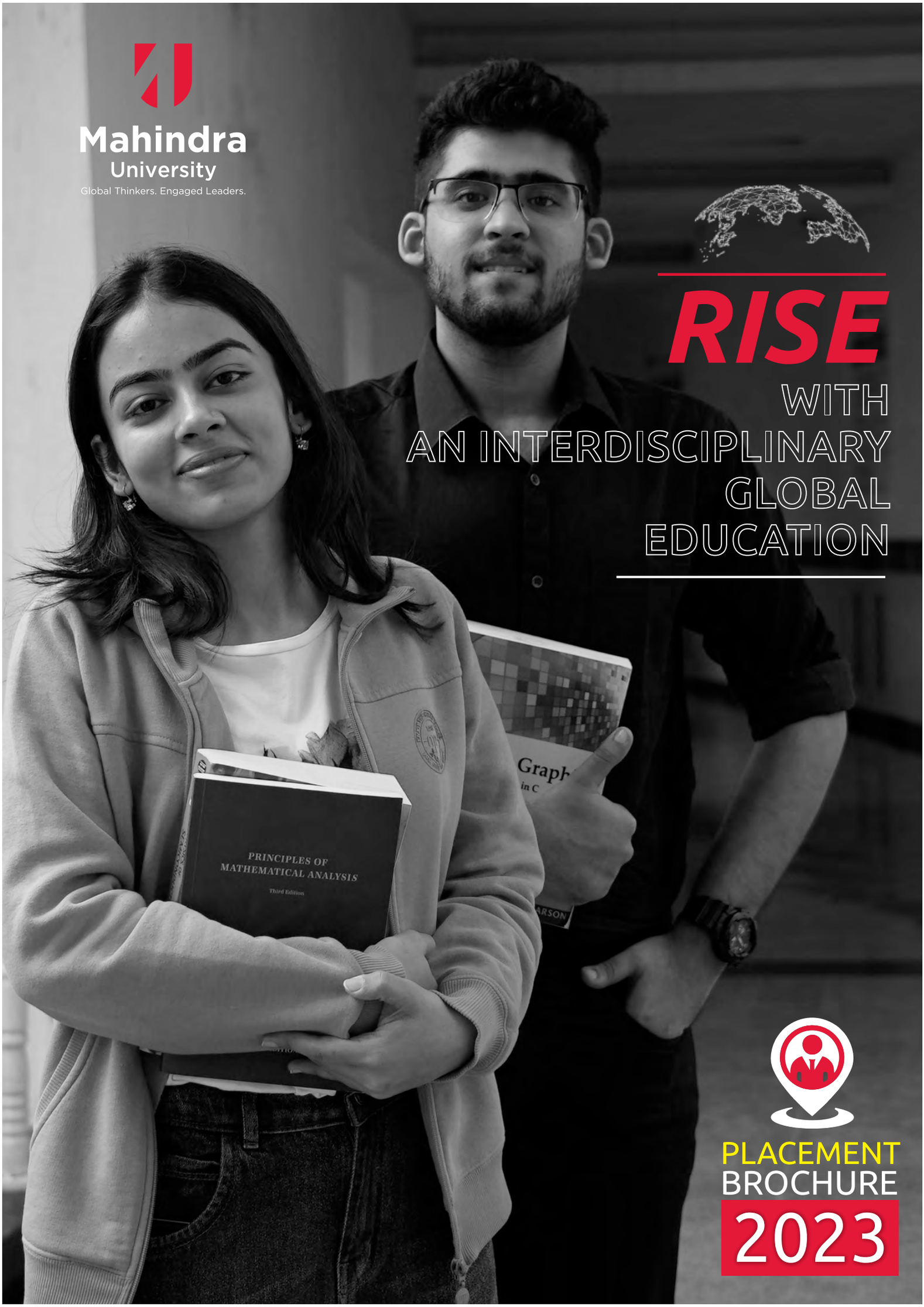
Mahindra
University
Global Thinkers. Engaged Leaders.

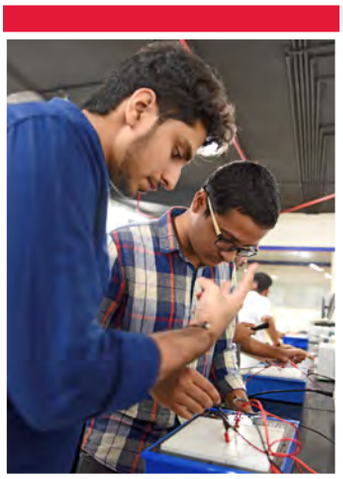
RISE

WITH AN INTERDISCIPLINARY GLOBAL EDUCATION



PLACEMENT
BROCHURE
2023

Content

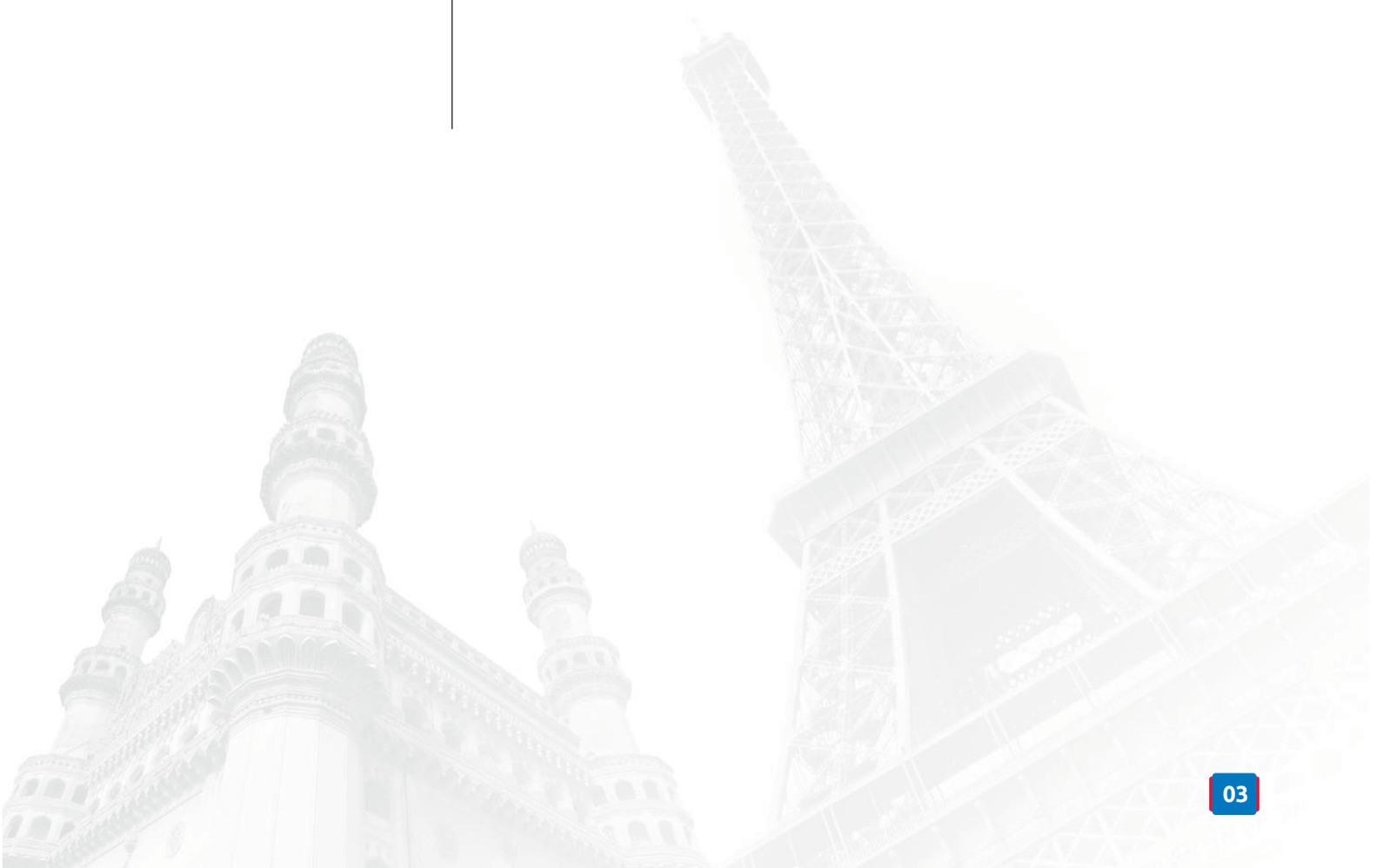


VISION

To educate future citizens for and of a better world

MISSION

- Train multi-skilled leaders capable of reflection as well as innovation, committed to inclusive and sustainable progress.
- Aim for interdisciplinary academic excellence integrating the study of science and technology with humanities, ethics and philosophy, and design.
- Balance education with experience through entrepreneurial projects to solve complex challenges facing society.



Mahindra™ University
Global Thinkers. Engaged Leaders.

Message from the Vice Chancellor

"Persistent questioning and healthy inquisitiveness are the first requisite for acquiring learning of any kind. " – Mahatma Gandhi

Mahindra University is a pioneer in innovative educational systems, which is transforming teaching and learning to create students who can change the world for a better place to live. It has made its mark by opening up new areas of learning to help students explore their creative and analytical skills.

The University became the first private university in Telangana in 2020. The four schools, Mahindra École Centrale School of Engineering, Mahindra University School of Management, Mahindra University School of Law, The Indira Mahindra School of Education, are uniquely placed and equipped with understanding that is expected to propel our students to attain their best.

The University has built links and tie-ups with its peer universities and reputed institutions. In the year 2014, it collaborated with the Tech Mahindra IT arm of the Mahindra Group and the 180-year-old École Central Paris (now CentraleSupélec) and JNTU Hyderabad to form Mahindra École Centrale School of Engineering, and in 2021 it started Mahindra School of Management with its academic partnership with Cornell University's SC Johnson College of Business, USA.

Our association with Cornell University ensures that our programs are interdisciplinary as well as contemporary. These associations focus as much on critical thinking and innovation and broadening of our students' horizons while simultaneously build the students' moral and ethical character so that each student can individually and as a group contribute to the society around us and the world at large.

The mission of the University is to train multi-skilled leaders capable of innovations and committed to inclusive and sustainable progress. One who aims for interdisciplinary academic excellence integrating the study of science with technology and design. The students are trained to balance education with experience by solving challenges faced by the society through entrepreneurial projects.

I like to say that this is what we aim to achieve - an education that imparts skills, teaches thinking and helps build character to contribute to society and the world.

Mahindra University is driven by exceptional faculty, all of whom are doctorates from colleges of repute. Further, the 12:1 student to teacher ratio makes sure that each student is provided with individual, undivided attention.

Elegant hostel accommodation, sports and recreational facilities, and several dining areas serving global cuisine add to the world-class ambience of the campus. By providing connected classrooms, laboratories, a super computer center, a well-stocked library and prototyping facilities, every faculty member and student have easy access to modern equipment and the information they need to complement their academic activities.

A significant part of the curriculum will emphasize ethical, cultural and social aspects of education, where knowledge is imparted in the most unconventional way to open up avenues for originality and innovation.

Mahindra University has shown promising results by making the courses highly student-centric, facilitating experiential learning and providing expertise in their education domain. It thus prepares them to become future leaders.

We have plans for cutting edge interdisciplinary measures with the sole focus that the programs offered shall be interdisciplinary and contemporary. One of our strong founding principles is the intense focus on quality research at the institutional level to pursue problem-solving skill and contribute to the rise of a new India. We at Mahindra University will endeavor to bring about change through critical thinking, focus and innovation and widening of our student's horizons.

I invite you to experience the outstanding facilities and ambience at Mahindra University and be a torchbearer of the new generation and of a bright future.

Mahindra University - École Centrale School of Engineering - Academic Program

École Centrale School of Engineering, was established by the Mahindra Group, in collaboration with CentraleSupélec of France and Jawaharlal Nehru Technological University Hyderabad, a premier technological university in India, in 2014.
Now as Mahindra University, it is a international School for aspirants willing to seak admission in various programs offered in Engineering, Management, Law, Education and Media & Liberal Arts.

Eligibility criteria

10+2 or equivalent from any statutory board with 60% OR as per AICTE norms aggregate marks in all subjects OR equivalent grade for the students from IB or other approved Board.

Qualify in JEE (MAIN) examination (eligible to write the JEE Advanced exam) OR Top All India rank in JEE (MAIN) examination OR a valid SAT Subject Test Score or SAT Test Score or ACT Score. In addition, a candidate has to undergo the counseling and branch allocation session of the college to qualify for the admission to the professional programme offered by the college.

Specialization offered & Intake

• Artificial Intelligence (AI)	-	180 SEATS P.A. (From AY 2021-22)
• Civil Engineering (CE)	-	30 SEATS P.A.
• Computation & Mathematics (CM)	-	30 SEATS P.A. (From AY 2021-22)
• Computer Science & Engineering (CSE)	-	270 SEATS P.A.
• Electronics & Computer Engineering (ECE)	-	90 SEATS P.A. (From AY 2021-22)
• Electrical & Electronics Engineering (EEE) (with AI)	-	30 SEATS P.A.
• Mechanical Engineering (ME)	-	30 SEATS P.A.
• Mechatronics	-	30 SEATS P.A.
• Nanotechnology	-	30 SEATS P.A.

Inter-disciplinary program @ MU

The MU curriculum is a blend of Basic Sciences, Engineering, and Liberal Arts; aimed at transforming and tailoring engineering education to help shape a new generation of engineering graduates to become leaders, entrepreneurs, and innovators. The first two years lay strong emphasis on tutorials, laboratory training, and interestingly, a multitude of courses like Design Thinking, Cinema and Philosophy, Film-making, and more. French language is taught to all students as part of the program. In combination with the core engineering subjects, the program at MU is a blend of:

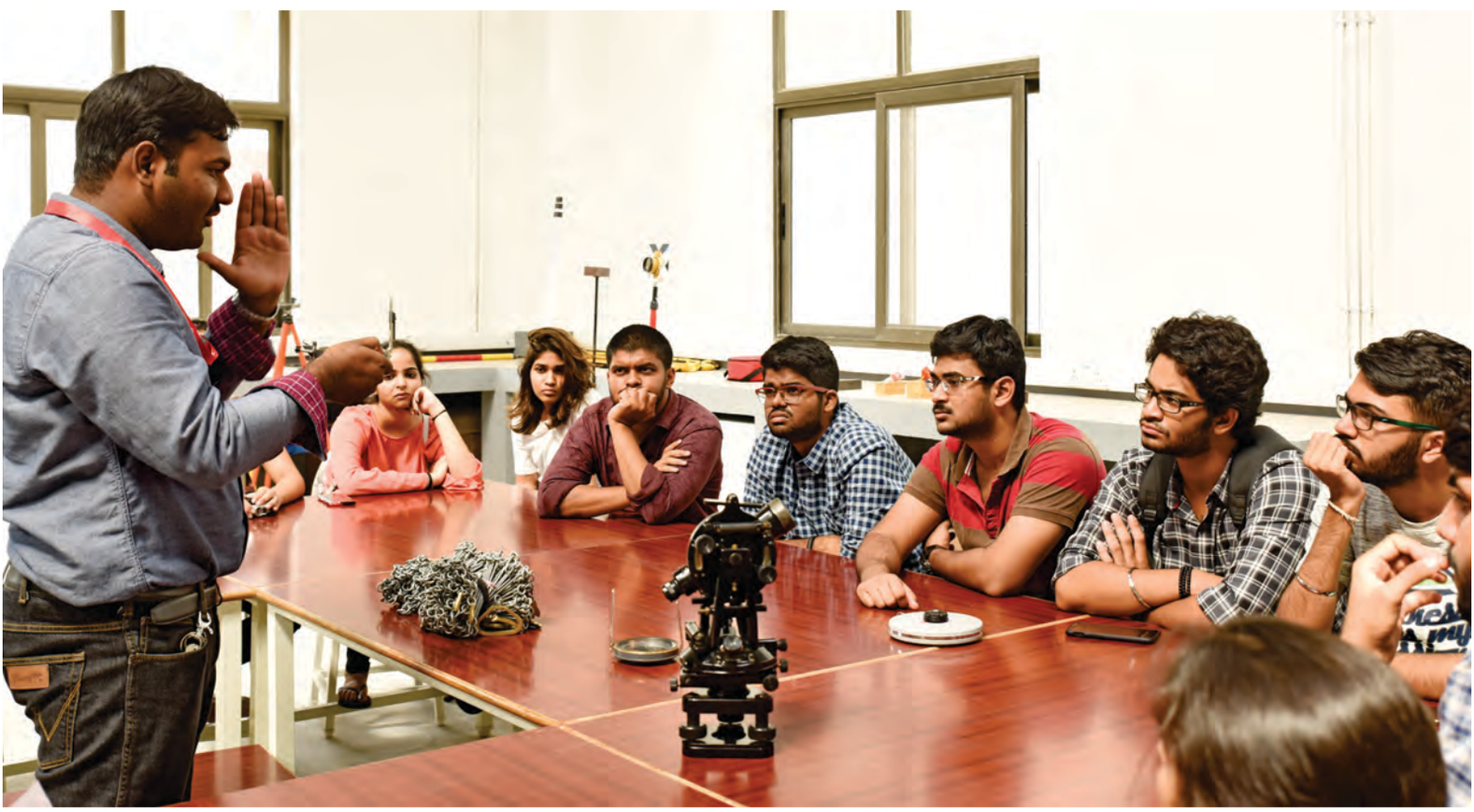
- Engineering
- Natural Sciences
- Creative Sciences
- Humanities and Social Sciences
- Management
- Philosophy

Design Thinking & Design Engineering @ MU

The horizontal Forces of Change - Sensory/Market/Ideals, are the focus area for ideation in the design Lab tutorials. The vertical movements of Function / Need / Design form the topics of the main lectures around Engineering Design Principles (EDP), Material Sciences (MS), Design Theory & Practice (D-T&P).

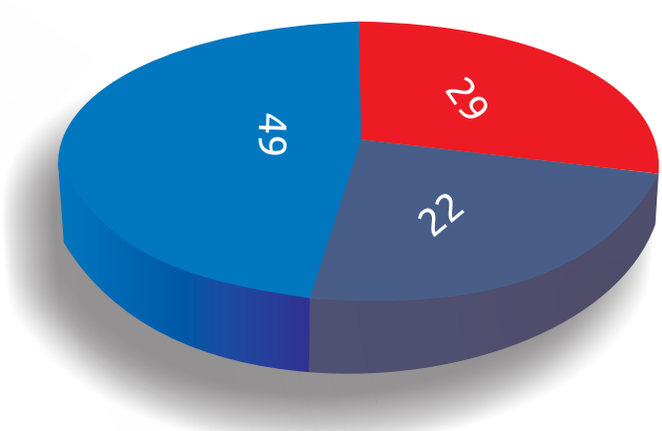
The MU curriculum aims to:

- Enable students to master knowledge in Fundamental Engineering, Humanities and Social Sciences with the development of competencies and focus on problem solving skills, and innovative thinking;
- Develop a systems approach to solve problems
- Expose students to research and industries
- Help students practice case-based and problem-based learning in the framework of team projects
- Enable students to experience international and inter-cultural contexts



Program Highlights:

- Global standards
- Multi-cultural immersion
- Industry Sponsorships
- Industry Internsips
- Inter-disciplinary teaching



Multi-disciplinary curriculum

- Engineering
- Natural, Mathematical Sciences
- Design, Social Sciences & Projects

COMPUTER SCIENCE & ENGINEERING (CSE)

Computer Science & Engineering branch offers both basic and advanced courses in programming, data structures, algorithm design, operating systems, computer networks, databases, artificial intelligence and software engineering. There is a strong emphasis on sharpening problem solving and inter-disciplinary skills.

Specialized electives are offered to enable students to gain in-depth insight into state-of-the-art advances in Machine Learning, Computer Networks, Cloud Computing, Data Mining, VLSI Design, Operations Research and Robotics. Students are required to work on several focused projects on challenging technical problems.

CORE COURSES:

- Artificial Intelligence
- Database Management Systems
- Formal Languages and Automation
- Linear Algebra and Applied Analysis
- Object Oriented Programming
- Computer Networks
- Digital Systems
- Introduction to modern physics
- Mobile Computing
- Operating Systems

ELECTIVES:

- Enterprise Software Architecture
- Deep Learning
- Advanced Computer Networks
- Wireless Sensor Networks
- Natural Language Processing
- Advanced Data Analytics

CIVIL ENGINEERING (CE)

Civil Engineering offers courses that impart basic and advanced knowledge in mechanics and dynamics of structures, soils, and fluids, construction planning and technologies, surveying, transportation, and environmental engineering.

The department also offers elective courses, professional or open ones, in growing and critical areas that address societal needs. Structural health monitoring, Ground improvement techniques, Urban transportation planning, Hydraulic structures to name a few. The acquired knowledge and skills are applied in various departmental projects.

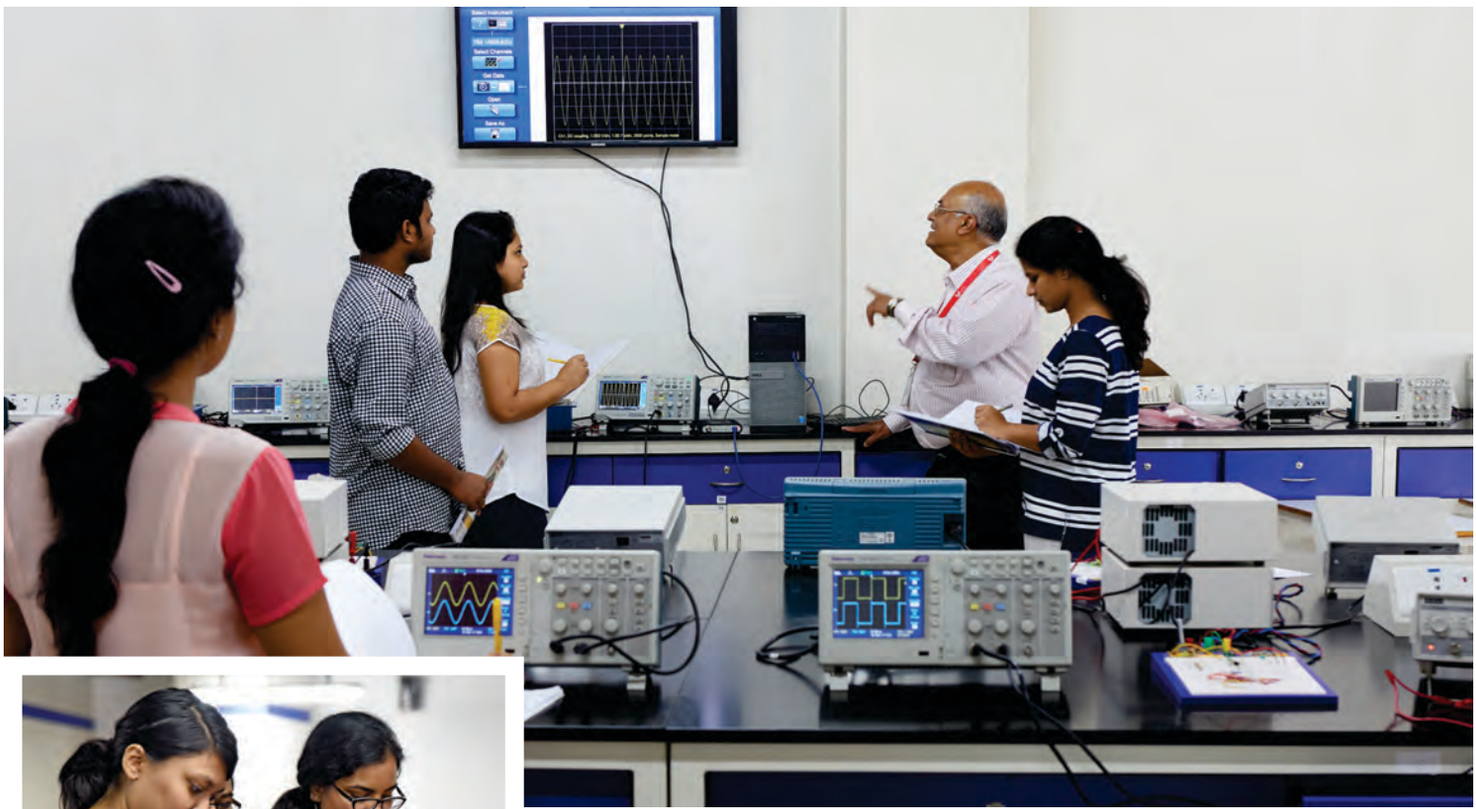
CORE COURSES:

- Engineering Surveying
- Construction Technology
- Water Resources Engineering
- Environmental Engineering
- Fluid Mechanics
- Mechanics of Materials
- Earth and Environmental Sciences
- Building Materials
- Foundation Engineering
- Transportation Engineering
- Construction Planning and Management
- Structural Analysis
- Design of Steel Structure
- Reinforced Concrete Design

ELECTIVES:

- Traffic Engineering and Management
- Finite Element Analysis
- Irrigation & Drainage Engineering
- Transport and Environment
- Urban Transportation Planning
- Ground Improvement Techniques
- RS and GIS for Environmental Engineering
- Dynamics of Structures
- Structural Health Monitoring
- Introduction to Continuum Mechanics
- Earthquake Engineering

ELECTRICAL & ELECTRONICS ENGINEERING (EEE)



The **Electrical & Electronics Engineering** (EEE) branch offers a highly methodological and diversified structure of courses through its eight semesters program including a dissertation during which students are provided training and get hands-on to conduct their final year project. The integration of electrical and electronics curriculum makes it a unique paradigm where students can acquire knowledge from core electrical domain based courses like electrical machines, power systems and control systems to classical and modern electronics fundamentals like linear and digital electronic design, IC design, VLSI etc. Collaboration with industries for research is an important thrust in the Department.

CORE COURSES:

- Networks and Filters
- Linear Electronics & IC Design
- Advanced VLSI Design
- Digital Electronics & Microprocessors
- Power Electronics & Power Systems
- Digital Signal Processing
- Electromagnetic Theory
- Communication Theory
- Electrical Machines

Embedded Systems: Specific interest of the department lies in programming on different embedded platforms viz. micro-controllers, FPGA, Arduino and ARM processors, which can be manifested as different applications

Communication Engineering: The department offers two core courses on communication theory, where the basic aspects of analog communication (AM, FM, and PM) are discussed, along with topics in digital communication such as PSK, FSK and OFDM, and wireless sensor networks.

VLSI: Here, fabrication of MOS devices is taught, design methodologies, performance optimisation of digital circuits, and exposure to CADENCE© software.

ELECTIVES:

- Machine Learning
- Big Data
- Fiber Optics & Optical Communication
- VLSI Technology
- Industrial Engineering
- Electric Vehicles
- Automated, Connected and Intelligent Vehicles
- Wireless Sensor Networks
- Introduction Robotics

Signal Processing: Includes different estimation techniques, top-down knowledge on random process and systems, adaptive processing of signals with comprehension of Kalman filtering and system identification; creating a significant impact in dealing with challenging areas in the present context of learning.

5G Communication Engineering Lab: Wireless Innovation and 5G is a research laboratory at Mahindra University focusing on key aspects and challenges in future mobile networks and emerging wireless technologies. The objective of the lab is to develop the advanced solutions for challenging problems of 5G and beyond telecommunication systems.

MECHANICAL ENGINEERING (ME)

Rooted in the core programme, the **Mechanical Engineering** branch offers a program that is a modern treatment of traditional mechanical engineering courses with strong foundation in engineering sciences and focuses on fluid and thermal sciences; solid mechanics and dynamics; manufacturing and design.

The elective courses and professional or open ones, allow for specialization in the design of machines, engines, thermodynamic systems or advanced industrial engineering and management. Acquired knowledge and skill are applied in the course of the departmental projects.

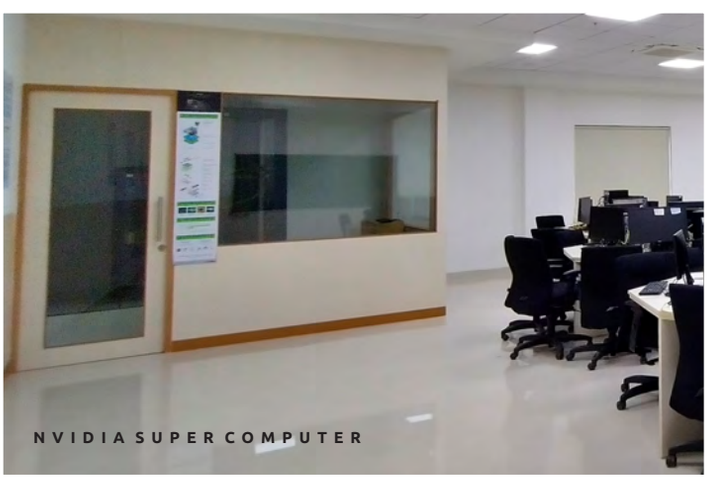
CORE COURSES:

- Computer Aided Engineering Design
- Transport Phenomena
- Manufacturing Processes I & II
- Mechanics of Solids
- Theory of Mechanisms and Machines
- Applied Fluid Dynamics and Heat Transfer
- Design of Machine Elements
- Experimental Analysis
- Multiphysics
- Thermal Engineering
- Finite Element Methods
- Structural Dynamics & Acoustics
- Control Theory
- Industrial Engineering

ELECTIVES:

- Introduction to I.C. Engines
- Introduction to Operations Research
- Nonlinear Dynamics and Chaos
- Introduction to Robotics
- Robotics: Dynamics and Control
- Advanced Mechanics of Materials
- Computational Fluid Dynamics
- Alternate Energy Sources
- Dynamics and Applications
- Theory of Elasticity

ARTIFICIAL INTELLIGENCE (AI)



NVIDIA SUPER COMPUTER

The **Artificial Intelligence** UG program's vision is to create exceptional AI engineers who will transform the world through creative AI solutions focusing on complex inputs – such as vision, language and huge databases.

Graduates will be computer science savvy with the skills and expertise in machine learning and automated reasoning for building the AI of tomorrow. Students would have taken courses in math and statistics, computer science, AI, science and engineering, and the humanities and arts, with room provided for academic exploration via electives.

CORE COURSES:

- Foundations of NLP
- Signals & Systems
- Control Theory
- Digital Image Processing
- Artificial Intelligence
- Machine Learning
- Machine Vision
- Natural Language Processing
- Robotics and Autonomous Systems
- Smart Industry

ELECTIVES:

- Computational Biology
- Computational Genomics
- Information Retrieval
- Block Chain & Crypto Currency
- Cyber-Security

COMPUTATION & MATHEMATICS (CM)

The **Computation and Mathematics** B.Tech program provides a perfect platform for empowering students with strong mathematical principles blended with core computer science skills. The curriculum is designed to meet the needs of Mathematics in scientific investigations and in high performance computing for various cross-domain applications. The students will perform programming and experimentation on the state-of-the-art high-performance computing platforms using APIs like MPI, OpenMP, and Open ACC. The students will become proficient in the use of mathematical and scientific frameworks such as Matlab and financial mathematics tools. The course will also train the students in the state-of-the-art artificial intelligence and machine learning techniques and tools like Weka and Python.

The department offers courses from a broad-spectrum catering to the students' interests as well as keeping the industrial and societal needs. They are exposed to the foundations to new and upcoming research areas.

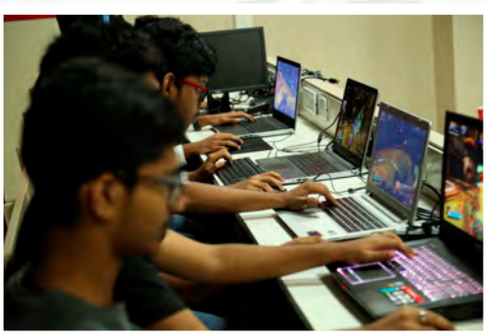
CORE COURSES:

- Real Analysis
- Numerical Methods
- Statistical Learning
- Optimization Techniques
- Complex Analysis
- Financial Mathematics
- Programming and Data Structures
- Design and Analysis of Algorithms
- Artificial Intelligence
- Database Management Systems
- High Performance Computing
- Simulation and Modeling
- Scientific Visualization

ELECTIVES:

- Bayesian Statistics
- Computational Fluid Dynamics
- Mesh free Methods
- Advanced Numerical Methods
- Advanced Data Analytics
- Big Data Computing
- Natural Language Processing
- Advanced Machine Learning
- Advanced Algorithms
- Enterprise Software Architecture

ELECTRONICS AND COMPUTER ENGINEERING (ECE)



Electronics & Computer Engineering program helps create engineers capable of solving real-world problems which require computation, communication or control by utilizing the most efficient combination of hardware and software. Students will learn how to build optimal machines using knowledge gained in both computing and electronics domains.

Tracks / Specialization

- Digital Design – VLSI Design, Hardware Acceleration, Low Power IC Design etc.
- Data Science – Data Management and Warehousing, Deep Learning, Big Data etc.
- Embedded Systems – Real-time Systems, HW/SW Co-Design, Embedded Prog. etc.
- Software Engineering – Software Construction, Testing and Verification etc.

CORE COURSES:

- Integrated Circuits
- VLSI System Design
- Signals and Systems
- Signal Processing
- Programmable Devices
- Computing System Architecture
- Machine Learning
- Communication Networks
- Data Structures
- Software Application Design
- Digital System Design
- Embedded System Design
- Data Sciences

ELECTIVES:

- Application oriented IoT
- Robotics
- Autonomous Vehicles
- Sensor Networks
- Hardware Acceleration

Nanotechnology

The **Nanotechnology** branch of B.Tech offers a program that helps students to get exposure to both basic and advanced technologies related to Nanotechnology. This program of MU has been aimed to provide an excellent training platform in this emerging interdisciplinary technology. This course will introduce students to different basic engineering disciplines such as mechanical, electrical and computer science through certain common courses during the first 3 semesters. During this period foundational courses in natural sciences and mathematics will be taught along with the courses from humanities and social sciences. Starting with semester 4 through semester 7 students will be gradually trained and exposed to various fundamental and advanced courses on technology and science that underpin both nanomaterials and nanodevices. Final Semester 8 will be, predominantly, devoted to either an internship or an industrial/academic research project.

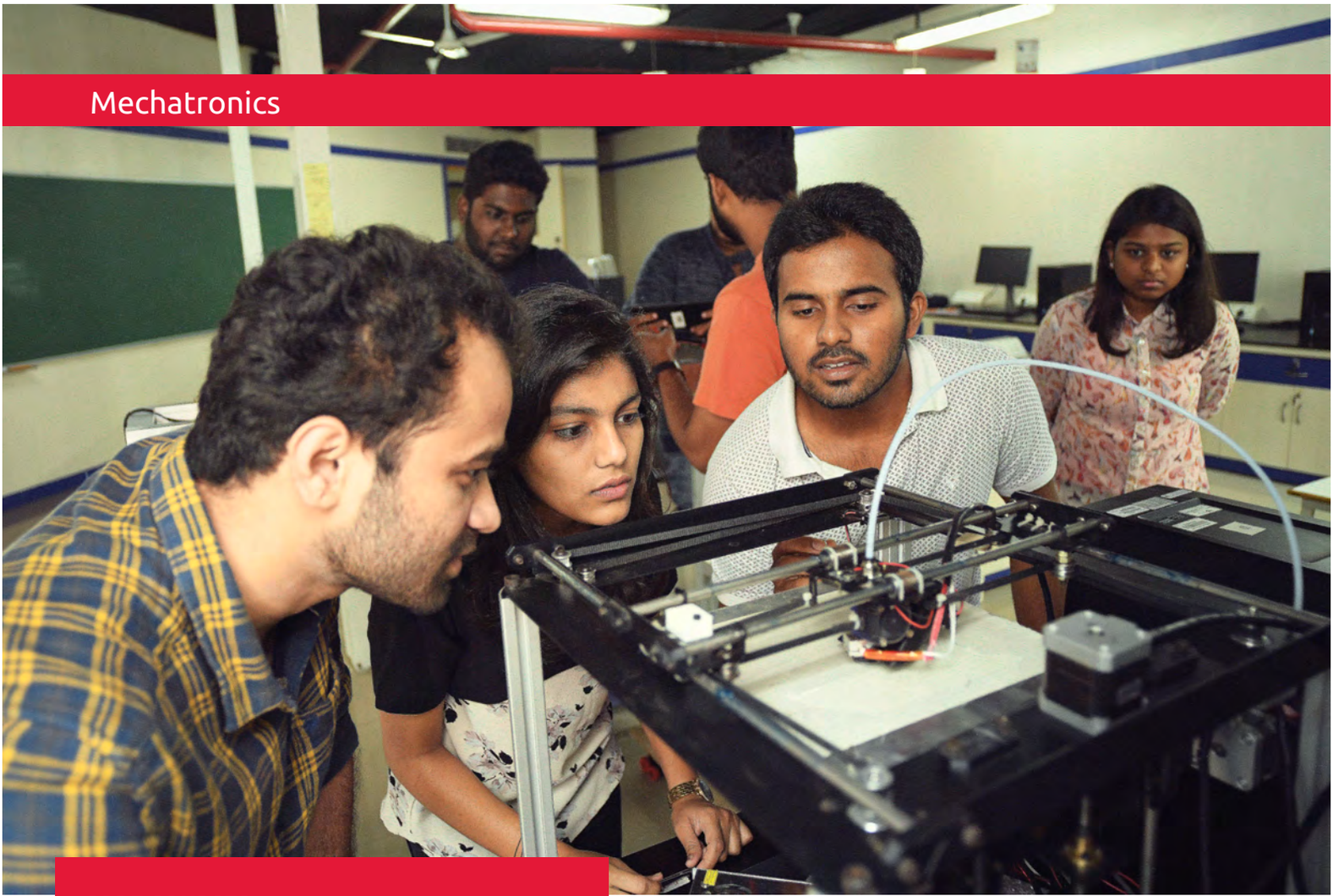
CORE COURSES:

- Introduction to Nanotechnology and Science
- Biology
- Thermodynamics and Statistical Mechanics for Nanosystems
- Micro and Nano Fabrication
- Optoelectronics Devices
- Nanomaterial Synthesis
- Advanced Nanomaterials and Devices
- Nanostructure Characterization
- Nano Photonics
- Solid State Physics
- Nano Biotechnology and Toxicology
- Semiconductor Devices
- Nanocomputing
- Microelectronics and VLSI
- MEMS and NEMS

ELECTIVES:

- Nanotechnology in Renewable Energy
- Nanoelectronics and Sensors
- Micro and Nano Fluidics
- Plasmonics
- Photovoltaics
- Nano Catalysis
- Surfaces and Interfaces
- 2D Materials
- Carbon Nanotechnology
- Molecular Spectroscopy
- Organic Electronics
- Analytical Tools in Medicinal Chemistry
- Advanced Drug Delivery Systems
- Nanomedicine

Mechatronics



CORE COURSES:

- Introduction to mechatronics and EM conversion
- Fluid and solid mechanics
- Computer aided engineering design
- Signals and systems
- Digital signal processing
- Digital electronics
- Theory of mechanisms
- Manufacturing and automated processes
- Transducer, sensors and instrumentation
- Power electronics
- Data analytics
- Design of machine elements
- Robotics I and II
- Machine learning
- Human computer interaction
- Embedded systems
- Mechatronics system design
- Multibody kinematics and dynamics

The **Mechatronics** branch of B.Tech is an interdisciplinary discipline in engineering that integrates electronics, electrical engineering, mechanical engineering, computer science, robotics, control, telecommunications, and product design.

In this program, you are a thinker and a doer. You will find out how to make application-specific devices more safe and easier to use/handle. Students will gain additional knowledge in management, design, Intelligent machines, health care and automated manufacturing. Students will have the option to specialize in the broad discipline of mechatronics in any one of the streams.

ELECTIVES:

- NEMS & MEMS,
- Nano robotics,
- Geometric optimization,
- Finite element Methods,
- Computational Fluid Dynamics,
- Industrial and Operation research
- Optimization

A future ready FACILITY

The MU facility in Hyderabad, India is home to very contemporary scientific infrastructure that help faculty and students keep up with the real world developments and the emerging trends in the industry. To support a strong research vision, MU has set up (and is in the process of setting up more) relevant high technology laboratories for learning and research. In addition to the scientific laboratories and mechanical workshops, the facility also features a Media Lab, Design Thinking Lab and a Digital Studio.

Research Areas

Research at MU is organized focusing on high level projects identified / developed by the faculty members. The research focus is distributed across the spectrum from purely scientific investigations to contemporary high-value industrial applications. They range from experimentations in areas like Terahertz Photonics and Metamaterials to Artificial Intelligence applications in Defense Security, Manufacturing, Image and Natural Language Processing, Smart Structures, Sustainable Infrastructures, Simulations of fluid, Structure and Electromagnetics, Smart Grids, 5-G Communications, Electric Vehicles, Autonomous Systems, etc.

Research directions and strategy are also guided by a high level Research Advisory Committee, constituted of top academicians and industrial research groups including representatives from some of the IITs, IIIT Hyderabad, Mahindra and Mahindra, Nvidia, Reliance, TCS, etc.MEC has 4 Centres of Research Excellence; Artificial Intelligence, Terahertz Photonics related to Metamaterials and Plasmonics, Smart Structures and Sustainable Infrastructures and Computational and Experimental Mechanics.

ECSE-MU has in a short period of 6 years obtained 24 external projects from Government and private agencies, both within India and abroad, amounting to INR 6.86 Crores. Our faculty have made more than 304 publications in peer-reviewed Journals and Conferences, where many of our students are co-authors and also filed for 6 patents.

Recently, it has added an Nvidia DGX supercomputer and also a full-fledged Dassault Systems 3D- Experience Laboratory in addition to setting up a Robotics and Autonomous Systems Laboratory and other high-tech Labs in multiple other sectors.

Labs@MU

- *Centre of Entrepreneurship & Innovation*
- *Center for Robotics (Robotics Lab)*
- *Micro Fluidics and Heat Transfer Laboratory*
- *Micro Fabrication*
- *Terahertz Photonics*
- *EVT Laboratory*
- *Supercomputer Lab*
- *Presently setting up an Automotive Systems and Internal Combustion Engines Laboratory*

State-of-the-art Labs

With equipment sourced from the most preferred vendors globally, MU labs are on par with the finest in the world. What is unique is the collaborative research infrastructure being built through strategic tie-ups with leading global corporations. These would culminate into Centers of Excellence (CoEs) & Labs for advanced studies going forward.

Center of Excellence Labs in collaboration with industry

Ground Inc., Japan, EDS Technologies, Dassault Systems, Nvidia and Mahindra & Mahindra.

Centre for Entrepreneurship & Innovation(CEI)

Entrepreneurship and innovation are at the core of MU's broad vision.
CEI aims at creating a strong entrepreneurial Culture and promote entrepreneurship and innovation as a career and life style option.

To Nurture entrepreneurial mind set and skill set, CEI has created a student driven platform called 'Entrepreneurship and Innovation Cell' which organizes series of events throughout the year on campus.

In addition, CEI has put in place a scientifically designed experiential curriculum and collaborated with Babson College-USA –world's No.1 school for entrepreneurship.

With a view to facilitate through the process of starting, shaping and scaling up new Venture, CEI has set up a state of the art incubation centre. These startups to Mature into sustainable and socially relevant ventures, CEI provides mentoring, networking and funding support.

Industry Internships & Education

At MU, we offer internship opportunities to students from their second year of Engineering based on their interest, skills, and talent they want to use to improve and develop specific skill sets. Internship range from a minimum of 8 weeks, up to 16 weeks in duration.

We facilitate appropriate internship opportunities within highly respected institutions, companies or organizations across the country and abroad for our students.

These internships enable students to gain a professional experience that is aligned with their career goals, under supervision by a professional in the field, with the opportunity for hands-on responsibility and meaningful work. A faculty advisor assists students during their internship. Many reputed institutions have come forward to engage our students as Interns. Some very highly reputed organizations across the industry spectrum have offered internships to our students.

RESEARCH LABORATORIES

DRDO Labs
CSIR CSIO Chandigarh

INSTITUTIONS

BTU Cottbus-Senftenberg, Germany
CentraleSupélec
Elseware Paris
Georgia Tech
Institute of Electronics & Telecommunications of Rennes
Illinois Institute of Technology, Chicago
London School of Economics, UK
LRI CentraleSupélec
MSS-MAT Lab, CentraleSupélec
Nanyang Technological University
National Sun Yat-Sen University
NRSC, Georgia
NUS, IITM
University of Florida
Sondra Laboratories France
Shantou University, China
University of Aveiro
University of Texas, Austin
University of Florida, Gainesville
University of Malaya, Malaysia

INDIAN INSTITUTES

IISc, Bangalore
IIM Kolkata,
IIT Delhi, IIT Hyderabad, IIT Bombay, IIT Kanpur, IIT Kharagpur
IIIT, Hyderabad
JNTU, Hyderabad
MEC, Hyderabad
MNIT, Jaipur
NIT, Allahabad
NIT, Suratkal

COMPANIES

Amazon
Axxela
Dassault Systems
Dell
DST
E&Y
Futures First
Guise.AI
Jocata
JSW
L&T Construction
Lido Learning
Mahindra & Mahindra
Mordor Intelligence
MSN Labs
NASSCOM
NITI Ayog
SAAB
Schlumberger
TCS
T-Hub
Ubisoft
Wolters Kluwer
ZS Associates
Aurobindo

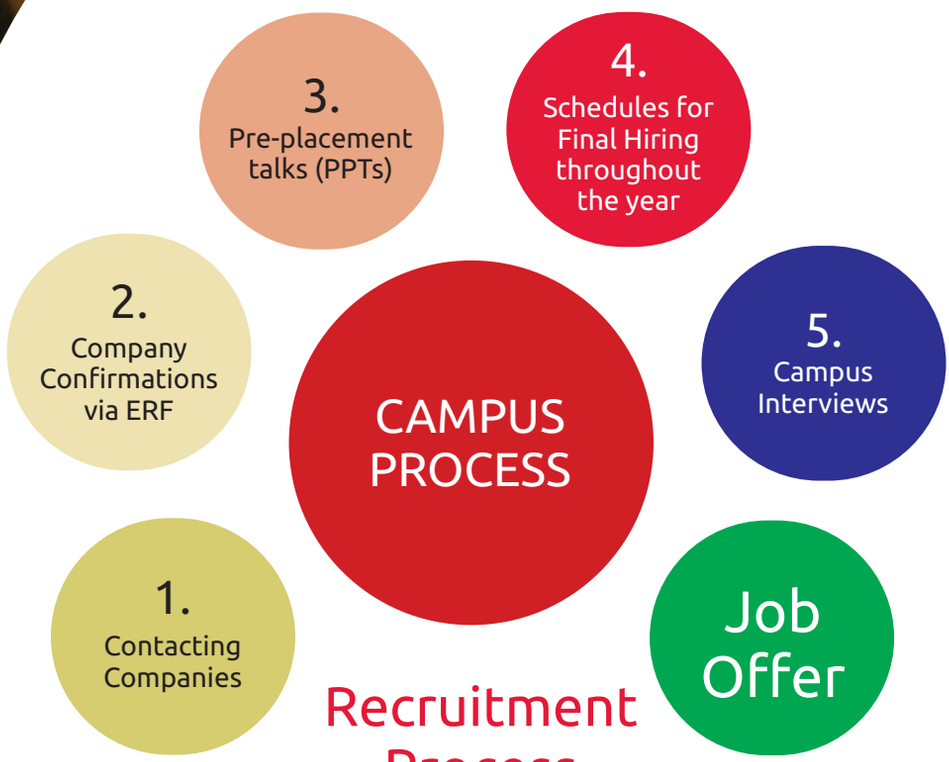
PLACEMENTS 2021

Our 4th batch, 2017-21 participated in the virtual campus recruitment with an excellent start, attracting a wide range of recruiters both Indian and International, across the sectors.

More than 45 recruiters have conducted virtual campus, off campus and internship process and selected above 90% of the interested and eligible students.

Some of the reputed recruiters are: Schlumberger, Telstra, Dell, ZS Associates, Mahindra & Mahindra, IBM, Intel, Mu Sigma, Capgemini, TechnipFMC, ADP, L&T ECC, Line Inc., Sony Japan, Code Nation, SOU Japan, Cisco, Cognizant, Axxela, Futures First, Raheja, Blog Vault, Jocata, Ubisoft, Oisix Systems, Tecnos, Kasura, Phenom People, Cyient, Byju's, Tech Mahindra, Satyam-Ventures, etc.

The average CTC has been Rs.7.5 LPA and the highest being Rs.45 LPA.



Heartbeats of MU- The Alumni...

Recruitment Process

Jonnalagadda Venkata Sai Hitesh, Oisix ra Daichi, Japan

Research Projects at MU, continuous mentoring from Professors/Administration, and Internships played a crucial role in landing as Site Reliability Engineer at Oisix ra Daichi. Before I got my bachelor's degree, I already had 15 months of internship experience in my resume, and that helped me stand out from the rest. And I can honestly say, during my stay at college, I got a taste of what it's like being a "Leader, Entrepreneur, Innovator".

CH. Himaja, Tecnos Japan Inc.

MU's internship program has given me an overseas internship opportunity in my 2nd year where I got a valuable work experience which cannot be obtained in a classroom setting. It has also given me an internship opportunity to work with one of the best scientists at NRSC (ISRO), which helped me a lot in improving my programming skills and publishing a paper in my 3rd year. These opportunities have added a lot of value to my resume that helped me to start my career in one of the reputed companies in Japan.

Mahesh Chandra Yayi, Tecnos Japan Inc.

Since the day MU introduced me to the interdisciplinary curriculum, I have been a proponent of it. Even though I chose EEE as my major, I had the wonderful opportunity of having courses from mechanical engineering, computer science, modern physics and biology to name a few to broaden my horizons. This helped me a lot in the programming training for my job as I already had experience developing fluid dynamics simulations and neural networks in python as part of the curriculum. MU also informed us about and provided accommodation for a job fair in Pune through which I got a job as a Salesforce Developer in Tokyo.

N. Dinesh Chowdary, Forum8, Japan

“MU helped me to a great extent to grow in as many directions as possible, as a student. I was able to achieve this with the help of our excellent and beloved faculty and staff who are the pillars of MU. The whole point of joining in MU was to grow as an individual, which is the most stressed aspect in MU. This has been proved with an overseas job opportunity offered to me by FORUM8, which I could earn with the help of the knowledge I gained from my college”.

Manikumar Perla, Line Corp. Japan

The Placement Team of Mahindra University proactively sent an email to the students to create an account in Connect Job website. If not for that email, I wouldn't have been where I am now!

All Ph.D., faculty with international exposure - making the real difference at MU

MU's world-class faculty roster includes nationally and internationally recognized academicians, with both industry immersion and a high degree of emphasis on Research.

They are recognized academicians from IITs with international exposure, and overseas work experience.

All faculty members hold a Ph.D. degree / highest degree in their chosen field from universities like Harvard, Georgia Tech, University of Edinburgh, University of Florida, CentraleSupélec, University of Michigan, Technical University of Darmstadt, Germany, Auburn University, IITs and many more.

MU also invites adjunct faculty from its associated institutions in India and also CentraleSupélec from time to time.

View complete faculty profiles here:
http://www.mahindraecolecentrale.edu.in/faculties.php

A glimpse of some senior faculty @ MU

Prof. Bishnu Pal
Dean - Academics

Prof. Bishnu P Pal is a Professor of Physics in School of Natural Sciences, He is also currently the Dean Academics at MU.
Before joining MU first time in July 2014, he was a Professor of Physics for over 24 years since 1990 at the Indian Institute of Technology Delhi, during which he served as the Chairperson of the Physics Department (September 2008-December 2011) and Head of the Computer Services Centre (September 2003-August 2006). Bishnu Pal has been deeply involved in Guided Wave Optics and Photonics education since its nascent days in early 1980s.

Prof. Arun Kumar Pujari
Advisor and Professor Emeritus

Arun K Pujari, Former Professor and Dean of the School of Computer and Information Sciences at the University of Hyderabad (UoH). He has been the Vice-Chancellor of the Central University of Rajasthan (2015-2020) and the Vice-Chancellor of Sambalpur University, Odisha (2008-2011).

Prior to joining University of Hyderabad in 1990 as Reader, he served JNU, New Delhi.
He received his PhD from IIT-Kanpur in 1980.
He has served several high-level bodies of UGC, DST, DRDO, ISRO and AICTE. Prof. Pujari has more than 100 publications to his credit.

Prof. Arya K Bhattacharya
Professor & Dean R&D
HOD - CSE Department

Dr. Arya Kumar Bhattacharya is the Dean of Research and Professor in the School of Engineering Sciences. He has more than twenty years of industrial experience, at Defence Research and Development Organization (ADA - Bangalore), Alstom Transport (UK) and at Tata Steel (Automation Division, Jamshedpur), in R&D at different levels. He has been AICTE-INAE Distinguished Visiting Professor at BIT, Mesra.

His multi-disciplinary research interests cover AI, ML, Deep Learning, Evolutionary Algorithms, Game Theory, and Autonomous Systems.

Prof. Rajkumar Phatate
Professor & Head

Prof. Rajkumar Phatate is a Professor & Head - Centre of Entrepreneurship at MU.
He holds Ph.D. in Management from YCMOU Nashik.

He is a passionate entrepreneurship educator, mentor and a student having rich experience in institution building, training, academics and research besides being an entrepreneur himself. He has worked in India and abroad with reputed institutions.

Prof. K.R. Sarma
Professor Emeritus

Prof. Kalluri Ramalinga Sarma, joined the Electrical Engineering Department at IIT Kanpur in 1961 after completing his Ph.D (1961) from Cornell University. Working closely with Prof. Kelkar, Prof. Sarma put together a curriculum that became a bench-mark for other institutions in the country. He was the Dean of Research and Development at IIT Kanpur and was also the Head of EE-ACES (76-79). In 1988 he moved to the DST in Delhi and played a key role as an advisor in National Programs in Instrumentation, Lasers and Robotics. From 1991-97 he was the Director of the Central Scientific Instrument Organization (CSIO), Chandigarh.

Prof. Ganesh Babu
Adjunct Professor

Prof. Ganesh Babu Kodeboyina is an Adjunct Professor in the Department of Civil Engineering at MU. He has a Ph.D. in Civil-Structures from Indian Institute of Technology, Madras.

He holds an M.Tech in Civil Engineering, from the Indian Institute of Technology, Madras.

Prior to joining MU, he worked as a Professor in the Department of Ocean Engineering, IIT Madras.

Prof. J.L.Bhattacharya
Professor & HOD

Prof. J.L.Bhattacharya spent over 32 years at Bharat Heavy Electricals Ltd. in the Corporate R&D Division, Hyderabad, and was involved in research related electrical rotating machines, power systems, controls, power electronics and superconducting machines. Thereafter, he worked as a Professor in Muffakham Jah College of Engg. His current teaching and Research interests at MU include: a)Teaching: Machine modeling, Design of Electrical Machines, Reliability of Power Systems and Electronics. b) Research Interests: Super-conducting Machines, Cryogenics, Traction motor design, Power Electronics and Controls, Electro Magnetic Fields, Power Systems, Microgrid/ Smartgrid, Electric Vehicles.

Prof. Sunil Bhooshan
Professor

Prof. Sunil Bhooshan is a Professor in the Electrical Engineering Department at MU.
Dr. Sunil did his Ph.D in Electrical Engineering Dept from University of Illinois at Urbana-Champaign, USA.

Prior to joining MU, he worked as a Professor at Jaypee University of Information Technology, Waknaghat.

A glimpse of some senior faculty @ MU

Prof.Rama Murthy G
Professor

Dr. Rama Murthy Garimella is a Professor in the Computer Science Engineering Department at Mahindra University École Centrale School of Engineering. Dr. Rama Murthy did his Ph.D. in Computer Engineering from Purdue Univesity, West Lafayette, U.S.A. Prior to joining MEC, he worked as an Associate Professor at IIIT-HYDERABAD.

His Research interests include Artificial / Biological Neural Networks; Wireless Sensor Networks; Adhoc Wireless Networks; Performance Evaluation and Signal Processing.

Prof. Bhaskar Tamma
Professor & HOD

Prof. Bhaskar Tamma is a Professor in the Mechanical Engineering Department at MU. Prof. Bhaskar Tamma holds a Ph.D. in Mechanical Engineering(IC Engines) from IIT Madras, Chennai, India. He also has two decades of experience which includes a Project leader, Program proposals / planning / execution, Leading multi-disciplinary global teams, Innovation, New technology evaluation, Emission Forecasting, Technology forecasting, Mentoring, IP strategy, Recruitment Interviews, Collaborations.

Pradeep Racherla
Professor

Dr. Pradeep Racherla is a Professor of Marketing at MUSM. Dr. Racherla has a Ph.D. from Fox School of Business, Temple University. He was an Assistant Professor of Marketing and Gene Edwards Professor of Banking West Texas A&M University, United States. He was the Program Director at Woxsen School of Business in Hyderabad, India. He is an expert in digital marketing and strategy, and digital transformation. Dr. Racherla's research has been published in many top-rated journals.

Prof. Salome Benhur
Professor

Dr. Benhur Salome is a Professor with Mahindra University École Centrale School of Engineering in the English department. She has a vast experience in teaching, mentoring, conducting workshops and has presented papers in National and International seminars.

Dr. Salome has worked with the EFL University as Ad-hoc Lecturer and with St. Francis College for Women as Lecturer.

Sridhar Acharyulu
Dean

Dr. Sridhar Acharyulu, Dean, School of Law, is a Ph.D. in Law from Osmania University Hyderabad. He got his LL.D. (Legum Doctoris) from DS National Law University in 2018. He wrote and published 48 books on Law and Journalism in both Telugu and English. Further a 100 plus research articles and thousands of newspaper articles.

Teaching has been his full-time passion and so he landed at Mahindra University in order to spread his knowledge. Previous to this, he was working with the School of Law, Bennett University, Noida.

Rama Velamuri
Dean & Professor

S. Ramakrishna (Rama) Velamuri is a Professor and Dean of the School of Management, Mahindra University. He was previously Chengwei Ventures Professor of Entrepreneurship at the China Europe International Business School (CEIBS), on whose faculty he served for nearly 14 years (2007-2021). Dr. Velamuri has two main areas of research focus: i) the impact of entrepreneurs' ethical behaviours on their ability to mobilize stakeholder support, and ii) the impact of innovations, in particular business model innovations, on firm growth.

Prof. Dibakar Roy C
Professor & HOD

Prof. Dibakar Roy Chowdhury is currently Professor and head of the department of Physics at MU. He pursued his PhD from Technical University of Darmdtadt, Germany (2008). Later he worked as a postdoctoral in the University of Duisburg-Essen, Germany (2008 - 2009) and Los Alamos National Laboratory, USA (2009 - 2013). Dr. Roy Chowdhury was working as scientist (level-B) with Australian National University, Canberra, Australia since 2013 which he left to join as an Associate Professor with MU, Hyderabad, India in January 2015.

Nilanjan Banik
Professor

Dr. Nilanjan Banik is currently a Professor of Economics and Finance at The School of Management, at Mahindra University. He earned his Ph.D. in Economics from Utah State University, USA and a Master of Economics from Delhi School of Economics, India. Prof. Banik's work focuses on the application of time series econometrics in issues relating to international trade, market structure and development economics.

Besides, time series econometrics his other area of work focuses on the 'rules' part of WTO; especially examining the non-tariff barriers aspect of GATT/WTO agreements.

Prof. N. V. Venkataraman
Professor

Dr. N. V. Venkataraman is an Associate Professor with Mahindra University École Centrale School of Engineering in the Inorganic and Physical Chemistry department.
Dr. Venkataraman holds a Ph.D. from the Department of Inorganic and Physical Chemistry, Indian Institute of Science, (IISc) Bangalore, India.

His research primarily focuses on micro and nano-scale physicochemical modification of surfaces towards controlling and understanding interfacial processes and to evolve better structure-property correlations.

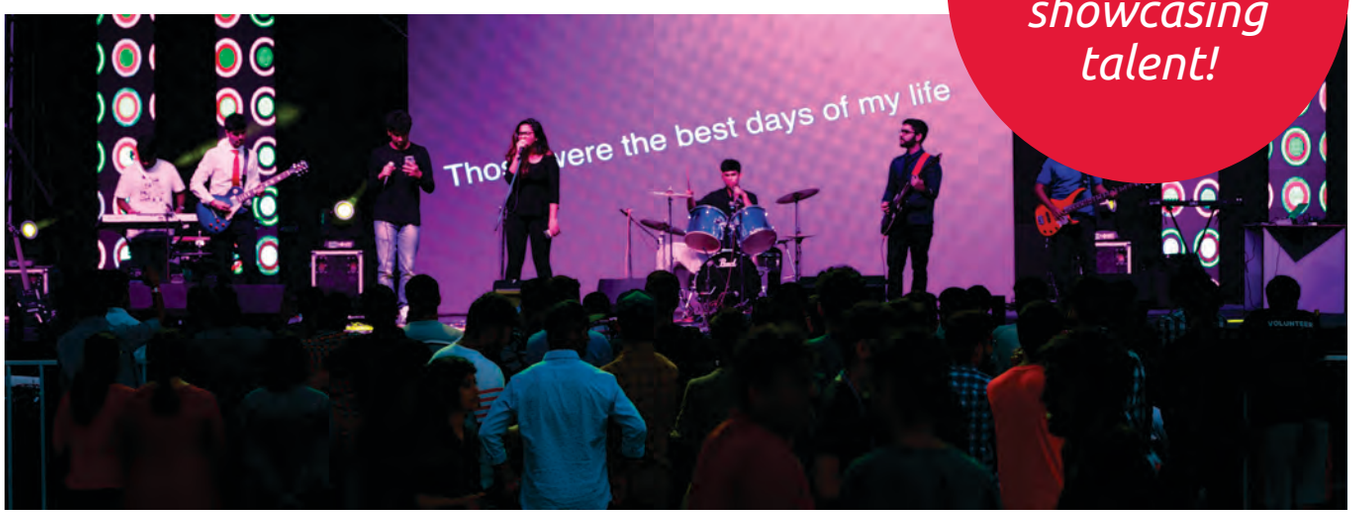
Manjula Professor
Professor

Dr. Manjula Mallepalli is the Professor at Mahindra University-School of Law. She is a Ph.D. holder from the Nalsar University of Law, Hyderabad. Before this, she was associated with Bennett University, Greater Noida where she was also the founding member of the School of Law incepted in 2017. Apart from her teaching profession, she has also been into practicing law with some senior advocates in the past.

Her research was focused on International Trade Law, India, and the Dispute Settlement System under WTO.

Clubs @ MU

Unleashing potential, showcasing talent!



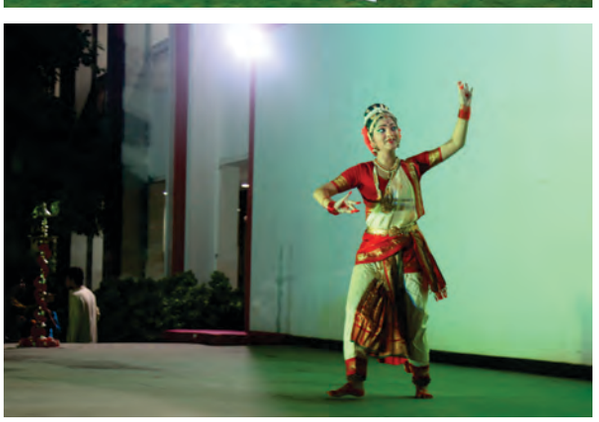
Along with a sharp research and academic focus, a strong emphasis on extra-curricular / co-curricular activities helps to transform students into well-rounded engineers.

MU Dance Club

To retain the dance culture and represent MU in other colleges. Mu's Dance Club intends to encourage students who love to dance while overcoming their fears. It is open to everyone who enjoys dancing regardless of their prior experience.

Orion

Helps kindle interest in aeronautics and astronomy Workshops and quizzes are organized to teach students about planes while meet-ups are organized to track astronomical events to get students interested in outer space.



Art Felt Club

To promote art and crafts The Art Felt Club seeks to guide and support students who wish to pursue art through weekly sessions. Fests and event decorations are handled by the Art Felt Club.

Entrepreneurship and Innovation Cell

To promote entrepreneurial culture Strives to nurture the spirit of entrepreneurship by bringing innovative ideas to the forefront of discussions. Events, workshops, industrial visits and seminars are hosted to provide an environment for students where they can develop their entrepreneurial skills.

The Erudite

Create an accessible environment for people interested in all forms of literature For anyone who is interested in literature and/or any form of public speaking has a fun and an organised platform to showcase and improve their skills.

Music Club
To bring together music artists The Music Club aims to bring all the musicians on campus to one platform and helps students who wish to groom their talent.

Outreach Club
The community welfare club "Vignan" is an initiative of the Club that focuses on helping the less fortunate children by assisting them with their English skills, teaching them Vedic math and help them understand the importance of water conservation. The Outreach Club's rural development branch tries to give back to society by providing amenities for learning vocational skills for a sustainable livelihood for those in need.

Enigma
The Computer Science Club Enigma pledges to provide students with an environment and a community that offers resources to explore computer science, software and technology. The club also helps with networking and career opportunities to its members.

Media Club
To retain memories through media The Club centralises media related activities for all events happening in MU. The club focuses on photo/video coverage and trailers for the same.

SAE-Aero Division
A section of the SAE Division tasked with designing and manufacturing an RC Plane The SAE-Aero Division aims to participate in various aeronautical competitions around India.

SAE Baja Club
A section of the SAE club building and racing a BAJA off-road buggy every year. This buggy competes in all-India racing events, including the flagship event, BAJA SAE India. A bottom-to-top approach to building a vehicle capable of attacking the harshest terrain, and being production ready for the market.

Zenith Science Club
Create an accessible environment for students to perform science related activities By setting out the power and potential of science to young people, MU aims to spark a passion for discovery and inspire a lifelong interest in science.

Secret Garden
The Cybersecurity Club MU treads on topics related to network, web, system security and security practices, by looking into code breaking and evaluating defenses to develop the intuition necessary to tackle security challenges.

Sports Clubs
Badminton, Cricket, Basketball, Volleyball, Soccer, TT and Chess are MU's main stay with most of the Clubs fielding girls' and boys' teams to represent MU in inter-Collegiate tournaments within and outside Hyderabad.

Celebrating life with passion!

MU is a hub for various festivals throughout the year.

Aether is a Techno-Cultural fest which is conducted in the spring semester every year. A series of activities such as the Erudite Debate, Quiz (Inquisitive), Movie Marathon, Make Your Own Comics, Gaming Tournament (Gizmonation), Mobile Gaming, are conducted by the student activity clubs, in addition to various cultural activities involving dance, dramatics, music performances and more. These have become great platforms for students to express their talents and ideas.

Aero is a sports oriented tournament open to institutions across the country to participate and prove their mettle across competitions in football, basketball, volleyball, cricket and more.

Making our presence felt!

- Mu's Badminton Boys' Team were winners in the VNR VJIT National Inter-Collegiate Sports' Fest in Feb 2020. MEC's Girls' Team were runners-up in the same tournament. Both the Boys' and Girls' Teams were earlier runners-up in the BITS National Inter Collegiate Fest in Jan 2020. Badminton Boys' Team came 2nd in the singles and doubles event in the JNTUH C Zone badminton tournament. Abhiram of 2019 Batch was selected to represent the JNTU Badminton Team!
- MU's Table Tennis Boys' Team were runners-up in the IPE Inter College Tournament and MGIT National Inter College Sports' Fest in 2020. Abhishek of 2018 Batch was selected and represented the JNTUH Boys table tennis team.
- MU's Basketball Boys' Team bagged the third place in the GITAM inter college sports Fest held in Jan 2020. The Girls' Team were runners-up in the VNR VJIT tournament. Pranav of 2017 Batch has been selected for the European Basketball Academy's training camp.
- 2017 Batch Football Team came 2nd in the SRINIDHI foot-ball tournament.
- Srikar and Anand both from 2018 Batch have been selected for the JNTUH Tennis boys' team.

Competitions

- MU's 2019 Batch students' team were winners in a VR Hackathon competition in which 17 teams participated.
- MU's Team (students and professors) secured the 10th place in a nation- wide hackathon conducted by MeritY in which there were participation by 1500 teams!
- Mu's SAE-Aero Club participated in the Aero Design Challenge in 2019 at Bannari Amman Institute, Coimbatore.

Innovative Pursuits

- E-Summit, a week-end long summit and with a bounty of 1.2 lakh rupees prize money was conducted by our Entrepreneurship and Innovation Cell. Numerous colleges participated in the popular event.
- The Gas Monkeys prototyped their own cross-country vehicle.
- MU's AUV (Autonomous Underwater Vehicle) ventured out to conquer the waters!

Students' Achievements

Smart India Hackathon

Team RASP of MU has won in the Smart India Hackathon yet again, repeating history!
Comprising Ananya K, Team Lead - Data Acquisition; Raghav NS, Integration Architect; Saudamini T, Data Acquisition; Rochan AV, Backend Architect; Prakruti S, Front-End Dev; Sai Sree P, Data Visualisation and Faculty Mentors Dr. Bharghava R, and Mr. Raj N - Team MU was placed first in the problem statement which entailed prediction and visualization of job trends, provided by the Government of Uttarakhand.

The complete award ceremony can be viewed here: https://youtu.be/jb1t8pc9ts0 (MU's problem statement announcement is at the 10-minute mark).
Find out all about at this URL:
https://rasp.team/team

Atos IT Challenge

The MU team (2015-19 batch) for the Atos IT Challenge was appreciated for their brilliant idea and was invited to present it to the top leadership team at the India office at Bangalore. Because of the fact that their product was very strong and had a great scope in future, Atos had congratulated them for their fantastic effort with a certificate. The team consisted of Manikumar Perla, Sai Sugeeth Kamineni, Aditya Gupta And Prakhar Garhwal.

Faurecia's Novus X.0

Two MU teams (2017-21 batch)took part actively in the Faurecia's Novus X.0 - Producathon and reached the Top 15.

The teams comprised of Chaitanya Ruhatiya, Kura Manivas, Ruthvik Gandra and Mr. Vedant Sangani.

Mahindra University

Global Thinkers. Engaged Leaders.

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