Mahindra University
Global Thinkers. Engaged Leaders.

ÉCOLE CENTRALE
SCHOOL OF ENGINEERING

To educate
future citizens for
and of a better world

PLACEMENT BROCHURE 2021

Contents

ANAND MAHINDRA

Chairman, Mahindra Group
Chancellor, Mahindra University

At École Centrale School of Engineering - Mahindra University, we believe engineering and technology have the greatest potential to contribute to economic inclusivity and sustainable development, which makes our foray into engineering education very consistent with our Rise philosophy of business.

With a deep expertise in the field of Industry, we feel we are very well positioned to kick-start the transformation of engineering education in India.

The need for today is not just for competent Engineers but for Business leaders who are as comfortable working in India as in any other part of the world.

MU, with its collaboration with CentraleSupélec will meet precisely this need.

MISSION STATEMENT

***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.*

Leaders' Speak

Casting the pillars of the future

We have looked at various ways of improving the quality of education; through greater emphasis on basic sciences and much greater interaction in the application of those sciences to actual life. We have secured a collaboration with one of the finest engineering schools in France. We are not satisfied in getting only a top class engineer, what we want is a business leader, for which we train students in Humanities, Economics, History, Philosophy; so that they get a holistic education and learn to relate the technical sciences to the environment of business in which they are going to be functioning.

Vineet Nayyar
Chairman, Mahindra Educational Institutions
Member, Board of Management, Mahindra University

Knowledge without boundaries

The common challenge has been talent management, quality of talent, and a need for an engineering student who is willing to change, transform, adapt and become a global manager. We at Mahindra, have continuously sought answers to this challenge and set up a world class institute in India. Our main objective is to look at globalization, realizing the needs of the industry, and bring you the best faculty and the best academia.

CP Gurnani
Managing Director and CEO, Tech Mahindra
Member, Board of Management, Mahindra University

A rewarding relationship

"The French Group École Centrale has been deeply involved in the creation of Mahindra École Centrale and we have followed step by step the development of the school and now it is our pride and it's an honour for us to see the success of your school.

It is a good evidence of our willingness to continue this collaboration and strengthen our relationship".

Romain Soubeyran
President, CentraleSupélec

Message from the Vice Chancellor

It gives me immense pleasure to introduce the 2021 batch of **Mahindra University** to you.

This batch of young Engineers - **Leaders, Entrepreneurs, and Innovators**, are geared to deploy their learning and make a difference to both industry and society. Trained to be industry-ready and future-ready engineers, they have been raised in an environment of multi-cultural immersion. Each student has additionally learnt the basics of the French language and many have a high level of proficiency in the same.

The ethos of Mahindra University being that of creating **Leaders** who ***Accept No Limits***, **Entrepreneurs** who ***Drive Positive Change*** and **Innovators** who adopt ***Alternative Thinking***; all students have been led through each paradigm to imbibe and reflect similar qualities.

I am fully confident that these students would add exceptional value to any organization across the world, in a manner similar to the previous inaugural batch of students who have joined multi-national work forces in India, France, Japan, as well as leading global universities.

Dr. Yajulu Medury
Vice Chancellor, Mahindra University

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 an international school for engineering aspirants with new programs in Law, Management, and Business Studies to be launched in the year ahead.

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 J**EE (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 program offered by the college.

Specialization offered & Intake

● Artificial Intelligence ***(AI)***	-	120 SEATS P.A. (From AY 2020-21)
● Civil Engineering ***(CE)***	-	60 SEATS P.A.
● Computation & Mathematics ***(CM)***	-	60 SEATS P.A. (From AY 2020-21)
● Computer Science & Engineering ***(CSE)***	-	120 SEATS P.A.
● Electronics & Computer Engineering ***(ECE)***	-	60 SEATS P.A. (From AY 2020-21)
● Electrical & Electronics Engineering ***(EEE)***	-	60 SEATS P.A.
● Mechanical Engineering ***(ME)***	-	60 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 programme. In combination with the core engineering subjects, the programme is a blend of:

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

Design Thinking & Design Engineering @ MU

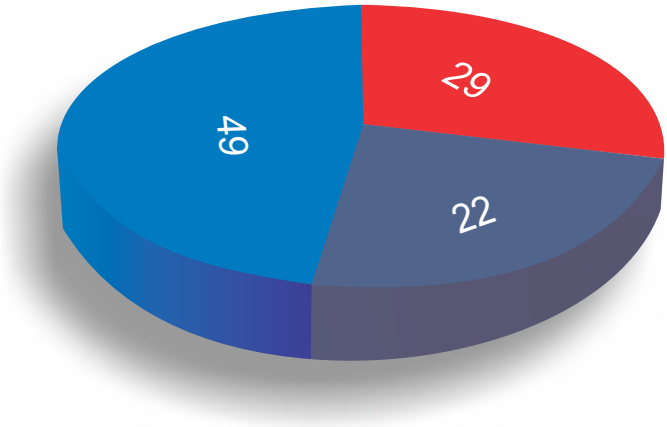
The horizontal Forces of Change - Sensory/Market/Ideals, are the focus area for ideation in the design Lab tutorials. The vertical movements of Function / Need / Design form the topics of the main lectures around Engineering Design Principles (EDP), Material Sciences (MS), Design Theory & Practice (D-T&P).

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:

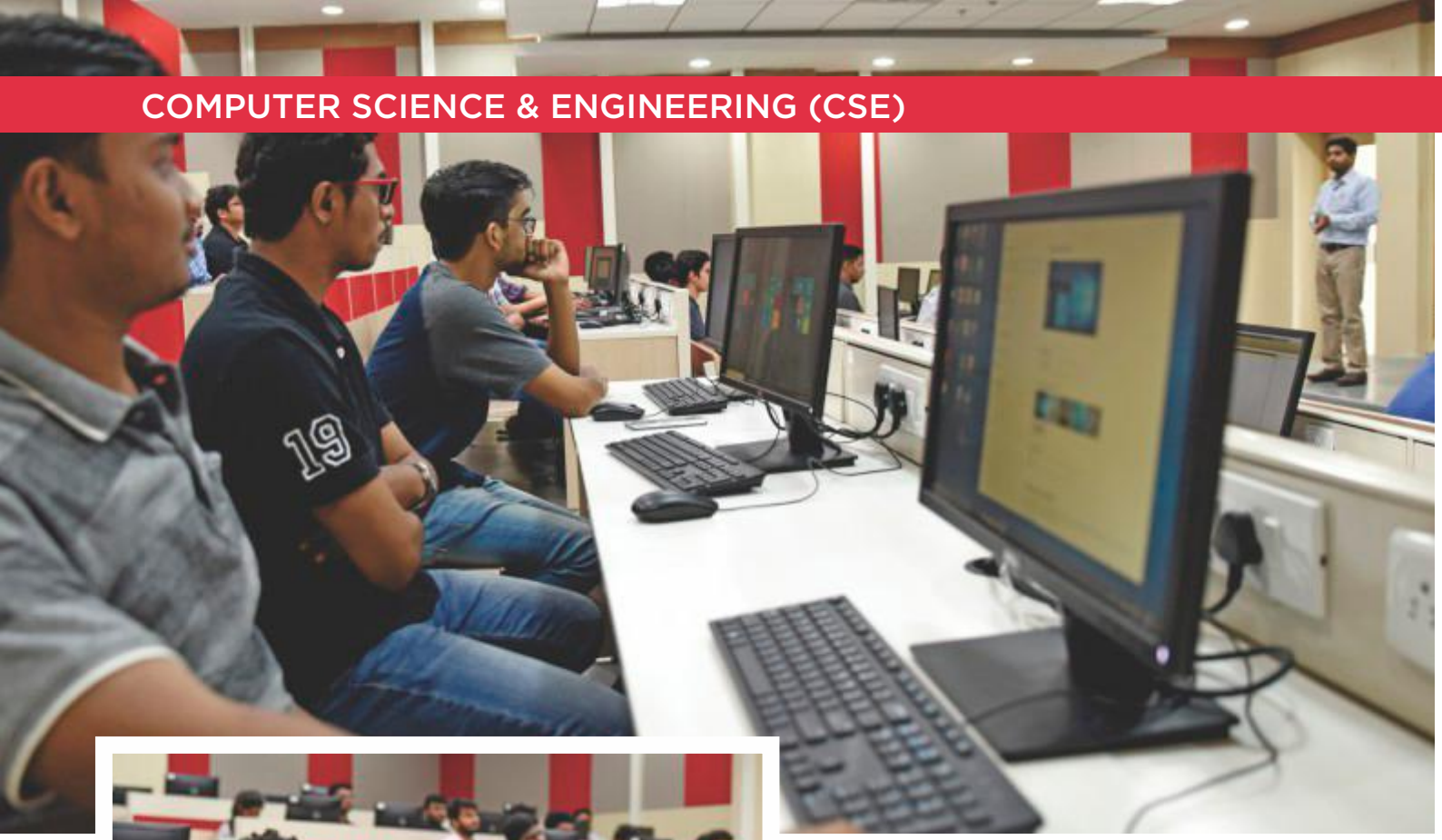
- Global standards
- Multi-cultural immersion
- Industry Sponsorships
- Industry Internships
- Inter-disciplinary teaching



Multi-disciplinary curriculum

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

COMPUTER SCIENCE & ENGINEERING (CSE)



Computer Science & Engineering 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:

- Introduction to Computer Science
- Theory of Computing
- Design and Analysis of Algorithms
- Computer Organisation
- Operating Systems
- Computer Networks
- Principles of Programing Languages
- Software Engineering
- Machine Learning

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
- Earthquake Engineering
- 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

ELECTRICAL & ELECTRONICS ENGINEERING (EEE)

Electrical & Electronics Engineering (EEE) 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.

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.

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

ELECTIVES:

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

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

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.

MECHANICAL ENGINEERING (ME)

Mechanical Engineering 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 & 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

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 2020

Our 3rd batch 2016-20 participated in campus recruitment with an excellent start, attracting a wide range of recruiters both Indian and International, across sectors.

More than 55 recruiters have conducted campus, off campus and internship process and selected almost 100 % 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 Alumni...

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. 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. 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. 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. 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. 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. 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. 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.

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.

Prof. Ranjith Kunnath
Professor

Prof. Ranjith Kunnath is a Professor in Mechanical Engineering at MU. He has a Ph.D. in Engineering Sciences from Harvard University, USA. He holds an M.Sc. (Engg.) Mechanical Engineering, from Indian Institute of Science, Bangalore.

Ranjith's research interests include theoretical mechanics of solids: friction and fracture problems, elasticity theory, wave propagation, computational mechanics, earthquake dynamics.

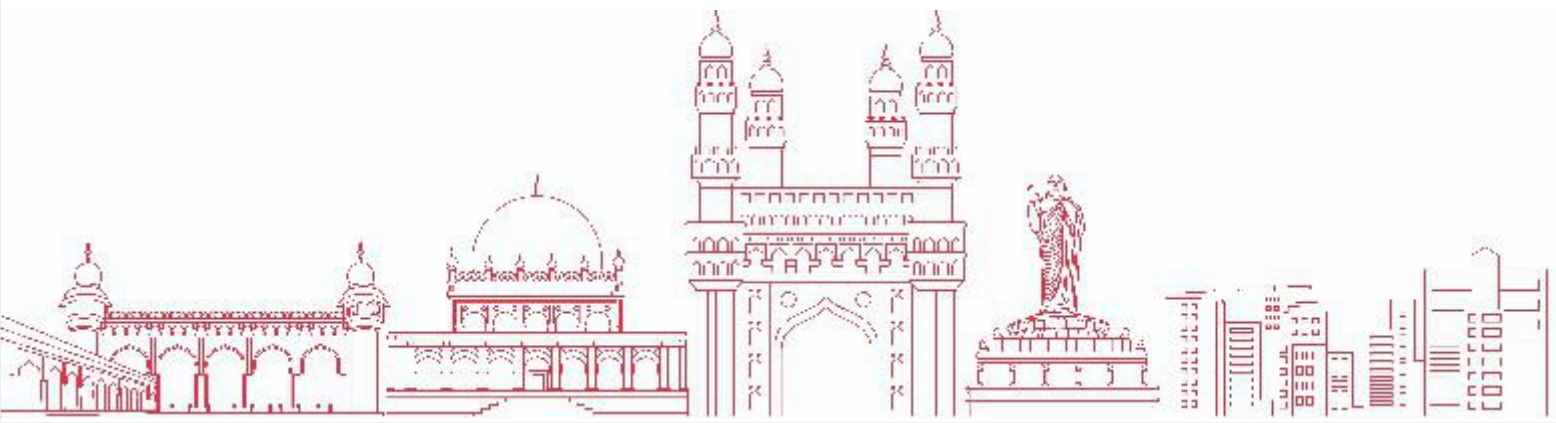
Prof. Dibakar Roy C
Professor & HOD

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.

Prof. N. V. Venkataraman
Professor

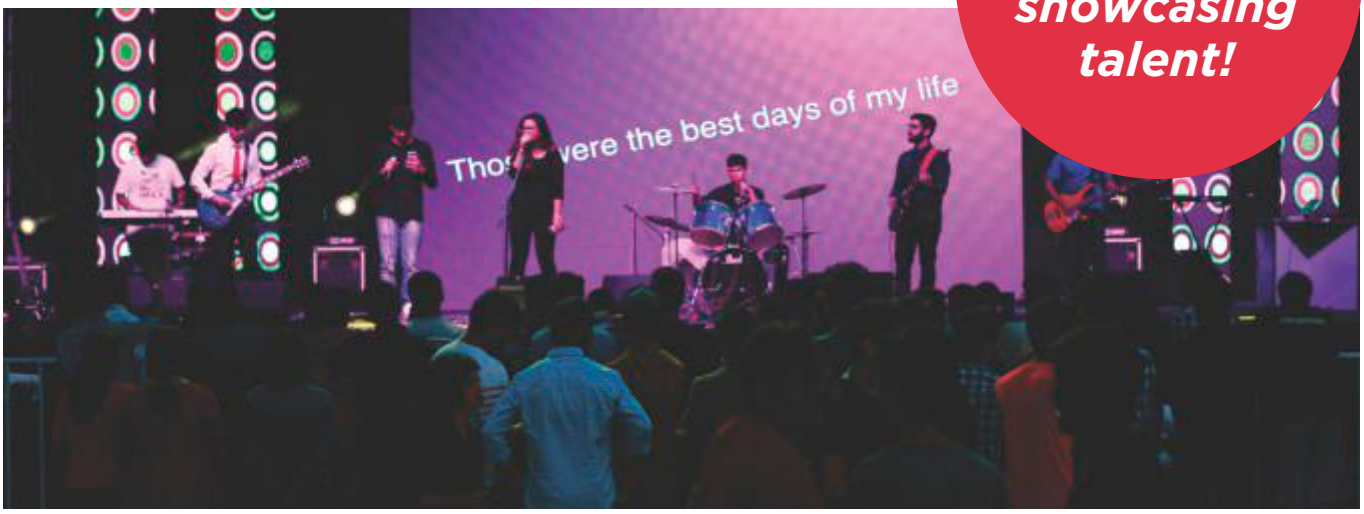
Dr. N. V. Venkataraman is an Associate Professor with Mahindra University École Centrale School of Engineering in the Inorganic and Physical Chemistry department.
Dr. Venkataraman holds a Ph.D. from the Department of Inorganic and Physical Chemistry, Indian Institute of Science, (IISc) Bangalore, India.

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.



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

2H ; KBG@NH@>MA>KF NLB< 9KNBLNL
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

2A> <HF F NGBR P >E9K> <EN;
"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

2A> HF I NM>K1 <B>G<> EN;
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

2H K>M9BG F >F HKB>L MAKHN@A F >=B9
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

K>9M> 9G 9<<>LLB; E> >GOBKHGF >GM?HKLMN=>GNL
MH I >K?HKF L<B>G<> K>E9M>= 9<NBOBBL
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

2A> R; >KL><NKBR EN;
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.

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