

Brochure for the Academic Year 2017-18

Where Stones turn into Diamonds



MITE



Invent Solutions

Mangalore Institute of Technology & Engineering (MITE)

(An ISO 9001: 2008 Certified Institution)

(A unit of Rajalaxmi Education Trust® Mangalore)

Affiliated to the Visvesvaraya Technological University (VTU), Belgaum, Karnataka
Recognised by All India Council for Technical Education (AICTE), New Delhi



PREFACE

In this millennium, the world is characterized by technology and constant change. To survive and perform successfully in the modern day competitive environment, one has to constantly adapt to innovation and be prepared to update knowledge and skills through continuous learning.

At MITE, we produce professionals who have the optimum mix of attitudes, skills, culture and knowledge. This aids them adapt to the emerging trends with confidence and pursue their chosen professions with comfort.

It is our endeavor to ensure that the needs and expectations of every student are fulfilled, enhancing the ability to acquire and apply knowledge. Our highly professional and dedicated faculty drawn from academia and industry possess impressive credentials. Their missionary zeal in teaching shapes careers at MITE. So, come and join our growing community of self-confident young scholars.

MANGALORE INSTITUTE OF TECHNOLOGY & ENGINEERING (MITE)

MITE was established in the year 2007 by Rajalakshmi Education Trust to fulfill the growing needs of the industry and aspirations of young students of Mangalore District and other parts of the country, which requires outstanding professionals who can be assets to any organization. In a world of opportunities for success, education plays a paramount role in moulding, shaping and preparing youngsters to face the challenges of the future. At MITE, we believe that education is the manifestation of perfection in a human being and we instill the most needed human values and ethics in our students.

Located amidst lush greenery and a serene ambience in Moodbidri, the campus spreads over an area of 74 acres in the sylvan surroundings near Mijar enroute to Karkala. Integrating modern design, construction technology and eco-friendly techniques, the campus provides the right setting to the students for effective learning.

We offer the following courses:

ENGINEERING (B.E)

- Electronics and Communication Engineering
- Computer Science and Engineering
- Mechanical Engineering
- Civil Engineering
- Mechatronics Engineering
- Information Science and Engineering
- Aeronautical Engineering

Eligibility

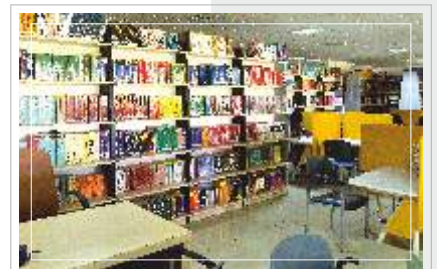
Should have secured a minimum of 45% of marks on aggregate of Physics and Mathematics as compulsory subjects along with Chemistry/ Electronics/ Computer Science/ Biology/ Biotechnology of second year Pre-University Examination of Govt. of Karnataka or Equivalent. Candidates belonging to Scheduled caste (SC) and Schedule tribes (ST) or any other groups, classified by the Govt. of Karnataka for such purpose shall be eligible for admission, if they have passed the qualifying examinations with not less than 40% of marks on aggregate. Candidates with qualifications from outside Karnataka have to obtain eligibility certificates from VTU, Belgaum, either directly or through the Engineering College. The Candidates holding three-years Diploma in appropriate branch of engineering conducted by the Board of Technical Education, Govt. of Karnataka, or any other equivalent qualification recognized by VTU with at least 50% of the total maximum marks in the final examination of the Diploma course are also eligible for admission to the second year of B.E. courses in the corresponding branch.

ENGINEERING (M.Tech.)

- Computer Science and Engineering
- Digital Electronics & Communication Engineering
- Mechatronics
- VLSI Design and Embedded Systems
- Computer Networking
- Nano Technology
- Machine Design

MANAGEMENT (MBA)

- Marketing
- Finance
- Human Resources Management



VISION

“To attain Perfection in Providing Globally Competitive Quality Education to all our Students and also benefit the global community by using our strength in Research and Development”

MISSION

“To establish world class educational institutions in their respective domains, which shall be centers of excellence in their Stated and Implied sense. To achieve this objective we dedicate ourselves to meet the Challenges of becoming Visionary and Realistic, Sensitive and Demanding, Innovative and Practical and Theoretical and Pragmatic; all at the same time”





our
CHAIRMAN

Rajesh Chouta B E. (ECE)
President, Rajalaxmi Education Trust

Rajesh Chouta is a man with a vision. He is a man who has chased success and achieved it.

As a bright and enthusiastic Electronics and Communication Engineering Graduate, he joined the highly reputed company ABB, Bangalore and started his professional career. Later, after two years, he quit ABB and started his own venture, Digital Systems in Mangalore in 1995. This was followed with IIHT, the Computer hardware and Network training centre in 1997. IIHT branches at Udupi, Bhatkal and Kasargod trained over 15,000 students who successfully passed out from IIHT stand for its success saga.

The ever-growing need for professional Engineering education to meet the escalating demands made Rajesh Chouta think about establishing quality Educational Institutions. This resulted in the foundation of Rajalaxmi Education Trust. Under its wings functions Mangalore Institute of Technology and Engineering at Mijar. After it got approval from AICTE, New Delhi and VTU, Belgaum, classes commenced in the academic year 2007-08 at the college. The sprawling campus, excellent infrastructure and highly competent staff make MITE a one-of-its-kind educational institution in Karnataka. As a man of constant striving Rajesh Chouta is not willing to rest on his laurels. His eyes have been set on the horizon to achieve more and to mould a better tomorrow for his fellow humans.



from our
PRINCIPAL'S DESK

Dr. G. L. Easwara Prasad

Principal, MITE

MITE is located on a beautiful campus, surrounded with abundant greenery and serenity. The institution ensures education in a pollution-free, noise-free and peaceful environment. The institute is equipped with modern tools in all the classes, labs and library, providing state-of the-art facilities and complete care is taken to fulfill the needs of each student.

We at MITE strongly feel that the future of India is shaped in class rooms and I am sure you will appreciate the role of the teacher as the pivotal point in shaping the future of our country in general and student community in particular. Since, an institution is judged by the quality of the citizens it produces, we are of the opinion that the education we offer should develop competent, talented personalities equipped with knowledge, skills and confidence and at the same time have been endowed with patriotic spirit and a strong will to serve the society and the nation. The Management, faculty and staff of MITE are fully aware of our responsibilities in Life-building and character making of the student community.

Our mission is not just providing a solid educational foundation but to build careers, to make eminent personalities in the society and to make the industry doors open. MITE always believes in making a difference in the filed of education to take our institute to the peak of success.



our **VICE-PRESIDENT**

Savitha Chouta M.A., M.B.A., M.Phil
Vice-President, Rajalaxmi Education Trust

Savitha Chouta, has been instrumental in the success of IIHT Training Centres established by her husband Rajesh Chouta. While leading the organization as a director, she started to pursue her Post Graduation in Sociology. Later she completed her M.Phil in the same subject and took her MBA in HR.

Her skills as an Entrepreneur and Educationalist par excellence came to light with her successful setting up of Indian English Academy at the IIHT centres in Mangalore, Udupi, Bhatkal and Kasaragod. The initiative, aimed to develop the communication skills and interpersonal behaviour of the students, earned her much praise from the public and the educational fraternity alike.

Graduate Programs Offered

B.E. IN COMPUTER SCIENCE & ENGINEERING

Duration: 4 years

This branch of engineering is at the helm of express gateway of information technology and widely sought after. The computer centers at MITE has excellent, state-of-the-art infrastructure with more than 800 Pentium4 systems all on LAN with sophisticated servers and internet connectivity with adequate bandwidth. Requisite software for undertaking all kinds of latest projects are installed in these computers.

Labs and Practicals

System Programming and Hardware Lab

Study of SMPS, graphic adapter cards, floppy and hard disk controllers, trouble shooting and maintenance, low level programming for 8086.

Data Structures Lab

The various Data Structures are implemented through JAVA.

Network and OS Lab

Exercises involving system calls of a multitasking operating system, semaphores and monitors, study of TCP/IP, client-server and internet programming.

Computer Graphics Lab

Execution of programming assignments on Transformations, Polygon Filling. Hidden Surface Elimination, Shading and Illumination models.

Language Processor Lab

Lexical analysis, writing Parsers, Symbol Tables and Intermediate code generation using C, LEX and YACC.

Programming Exposure

Advanced Computer Lab

The heterogeneous network supports IPv4 and IPv6 and has systems for network, monitoring and maintenance. The college also has the first ever Wi-Fi lab in the state with high end systems.

Microprocessor Lab

The lab implants training in basic programming techniques, I/O and peripheral device interfacing of 8085/8086 Microprocessor.

Computer Hardware Lab

The lab is equipped with 80386/486/PII based systems, add-on cards, PC diagnostic aids, serial cards, sound blaster cards, DSP kits, PC trainer kits, IDE and SCSI cards in addition to several prototype motherboards.



Graduate Programs Offered

B.E. IN ELECTRONICS & COMMUNICATION ENGINEERING

Duration: 4 years

This is a very specialized branch which imparts knowledge and training in Digital Signal Processing, Integrated Circuit in a large scale, advanced cam topics, data processing and operating process and system. The students can choose an appropriate combination of subjects depending on their interest. Core studies in this branch include Electronic fundamentals, electric and electronic circuit design, digital fundamentals, Micro processors, Microwaves and Radar, and Communication and networking.

Labs and Practicals

Analog Circuits Lab

The elemental principles and components of electronic circuits are introduced to the students in detail in two sessions of Basic Electronics Lab during the third and fourth semesters.

Digital Circuits Lab

It provides the foundation for Digital Electronics and Digital System Design. This involves the study of basic digital gates, shift registers, counters, logic families, multi vibrators etc.

Microprocessor Lab

Microprocessor lab imparts training in basic programming techniques, I/O interfacing and peripheral device interfacing of 8085/8086 Microprocessor.

Communication Systems Lab

This lab caters to a curriculum comprising of experiments on communication techniques like AM, FM, PM, mixer and filtering etc. This lab also includes the study of PLL, filters, oscillators etc.

Programming Exposure

Signal Processing Lab

The purpose of this lab is to familiarise students with the DSP development workstations by examining sampling analysis, and reconstruction of continuous time signals.

Test Lab

The Test Lab is provided with the facilities to check the practicality of the projects designed by students and to develop circuit designing skills.



Graduate Programs Offered

B.E. IN INFORMATION SCIENCE & ENGINEERING

Duration: 4 years

Advances in Computing science is the most important phenomena of our age, paving way for the development of Information Science as a new foundation for human knowledge. This predictive science can model natural processes, apart from industrial processes. This technology illustrates the massive extent of information science encompassing the farthest reaches of human rationality and ultimate foundations of life. Opportunities exist across a broad range of industries cutting across all sectors of the economy, Business analysis, Consulting, Data warehousing, Support, ERP, E-Commerce, Management, Operations, Quality assurance, Training and Web development. Information Science professionals are among the fastest growing and highest paying jobs in the economy. The course attracts people with interest in developing the skills like Analytical, Mathematical, Managerial, Communication, Creative Problem solving and the Technical Competency. Core Areas of study includes Hardware, Operating systems, Systems Software, Application software, Networking, Programming languages, Design and analysis of algorithms, Decision Support Systems, Database Management, File Structures, ERP and MIS.

Labs and Practicals

System Programming and Hardware Lab

Study of SMPS, graphic adapter cards, floppy and Harddisk controllers trouble shooting and maintenance, low level programming for 8086.

Data Structures Lab

The various Data Structures are implemented through JAVA.

Network and OS Lab

Exercises involving system calls of a multitasking operating system, semaphores and monitors, study of TCP/IP, client-server and internet programming.

Computer Graphics Lab

Execution of programming assignments on Transformations. Polygon Filling, Hidden Surface Elimination. Shading and Illumination models.

Programming Exposure

Language Processor Lab

Lexical analysis, writing parser, Symbol Tables and Intermediate code generation using C, LEX & YACC.

Advanced Computer Lab

The heterogeneous network supports IPv4 and IPv6 and has systems for network, monitoring and maintenance. The college also has the first ever Wi-Fi lab in the state with high end systems.

Microprocessor Lab

The lab implants training in basic programming techniques, I/O and peripheral device interfacing of 8085/8086 Microprocessor.

Computer Hardware Lab

The lab is equipped with 80386/486/PII based systems, add-on cards, PC diagnostic aids, serial cards, sound blaster cards, DSP kits, PC trainer kits, IDE and SCSI cards in addition to several prototype motherboards.



Graduate Programs Offered

B.E. IN AERONAUTICAL ENGINEERING

Duration: 4 years

MITE is one of the few colleges in Karnataka which can boast of Aeronautical Engineering branch and certainly will be one of the best aeronautical engineering colleges in Karnataka. If you have a love for aircrafts and the designs behind them, explore this course. It includes study in the areas of Aerodynamics, Structures, Propulsion, Aircraft Performance, Stability and Control, Avionics, Flight Vehicle Design, Aircraft Systems & Flight testing. The students get hands on experience through lab experiments in addition to the other engineering disciplines. Students are expected to update their learning by visits, conferences and guest lectures from experts drawn from HAL, ISRO, IISc, IIT, and NAL etc. Efforts are on to purchase an aircraft (single engine propeller) for practical and maintenance demonstration.

Labs and Practicals

Materials Science and Metallurgy Lab

Experiments involving metallographic views & analysis and effect of heat treatment of metals and alloys.

Foundry and Forging lab

Experiments involving different types of patterns and moulds. Further testing of these moulds is also carried out.

Metrology, Measurement and Instrumentation Lab

Experiments involving the use of different measuring instruments.

Aerodynamic Lab

The students get an understanding of nature of flow past various models through flow visualization techniques. The nature of pressure distribution over various aerofoil and body shapes is explained. The wake and boundary layer survey provide information on the momentum thickness and displacement thickness.

Structures Lab

It provides the student with the practical knowledge of the various theorems, like reciprocal theorem, buckling phenomenon of columns, WEGNER beam stresses information. The vibration of beam equipment provides information on types of nodes and vibration patterns.

Simulation Lab

Several time motion studies are made increasing students' capability in simulation techniques.

Propulsion Lab

Experiments related to aircraft engines, force measurements through wall jets and measurement of speed of flame propagation is checked.

Modeling and Analysis Lab

The CFD analysis and stress analysis techniques are developed through computer software.

Fluid Power Automation Lab

Proportional hydraulics experiments to traverse single acting cylinder with command values, sequential control. Pneumatic control of double acting piston. Time dependent control of double acting cylinder etc.

Control System Lab

Study of DC position control, PID controllers, temperature controllers, DC motor speed control, Compensation control etc. Advanced embedded system lab.



Graduate Programs Offered

B.E. IN MECHANICAL ENGINEERING

Duration: 4 years

Mechanical Engineering is the mother of all branches. The contribution of this branch is enormous in the growth of technology over the centuries. The scope of the course varies from material research to machinery development, Nano Technology, Smart materials, Aerospace Technology, Missiles technology, CAD/CAM, FMS, CIM, Automation and such other interrelated developments. The job opportunities are in aerospace, Automotive and Manufacturing sectors apart from research establishments. Many firms developing software packages for mechanical components and products are also recruiting the mechanical engineers. The skills needed for this course are strong computational mathematics, creativity and analytical abilities. The areas of study includes Manufacturing processes, Mechanical vibrations, Mechatronics, Heat and Mass Transfer, Tool Engineering and Design, Design of machine elements, Computer Integrated Manufacturing and Robotics.

Labs and Practicals

Material Science and Metallurgy Lab

Experiments Involving Metallographic Views and analysis and Effect of Heat Treatment on Metals and Alloys.

Foundry and Forging Lab

Experiments involving different types of patterns and moulds. Further testing of these moulds is also carried out.

Fluid Mechanics and Machinery Lab

Experiments on Fluid flow and experiments involving viz., Fluid Machines, pelton turbine, Kaplan turbine, multi stage centrifugal pumps etc.

Machine Shop

Exercises involving different operations on different machines viz., Drilling, turning, Knurling, facing etc. on lathes and drilling and boring by using drilling machine. Groove cutting by shaping or slotting. Gear cutting by using milling machine.

Metrology, Measurement and Instrumentation Lab

Experiments involving the use of different measuring instruments.

Energy Conversion Engineering Lab

Experiments involving different types of IC engines to determine IHP, BHP, FHP and Heat Balance Sheet etc. are carried out.

Computer aided Modeling and Analysis Lab Heat and Mass transfer Lab

Experiments involving use of different devices of heat and mass transfer equipments.

CIM and Automation Lab

Students are given exposure on Hydraulics, Pneumatics, PLC and Mechatronics Experiments.

Design Lab

Experiments on balancing, photo elastic materials etc.



Graduate Programs Offered

B.E. IN MECHATRONICS ENGINEERING

Duration: 4 years

Mechatronics engineering incorporate technological skills needed to meet the requirement of inter-connected industries. The areas covered under mechatronics engineering includes the different elements of mechatronics systems such as the principles of core mechanical engineering, signal conditioning, sensors, actuators, microcontrollers and programmable logic controllers. It also involves the design, production and maintenance of high technology consumer and industrial products as diverse as robotics, automotive anti-lock braking systems and modern manufacturing processes. It provides multi-disciplinary skills to enable the future needs of industry in a world of rapidly developing technology. The students are prepared for using their skills in computers, micro-controllers, programmable logic controllers, programming, industrial sensors, hydraulic, pneumatic & electric drives, design of mechanical structures & mechanisms and manufacturing processes.

Labs and Practicals

Materials Science and Manufacturing lab

The experiments include study on metallurgy & material science, behavior of materials under different type of loading and heat treatment processes.

Metrology and Measurements lab

Experiments on the concept, working principle and calibration of measuring instruments are conducted.

Analog and Digital electronics lab:

Analog part of the lab involves the study of basic V-I characteristics of the elementary semiconductor devices. Also, it involves the study of basic circuit configuration such as clipping-clamping circuits, amplifiers, oscillators and rectifiers. Digital part of the lab involves the verification of basic logic gates and also the study of combinational and sequential logical systems.

Power electronics lab:

This lab involves the study of V-I characteristics of various power switching devices and also study and implementation of power conversion and control systems such as controlled rectifiers, DC-DC converters, AC-AC converters etc.

Electrical machines and Drives:

This lab involves the study of performances of various electrical machines used in electrical drives such as transformers, DC motors, Induction motors, Universal motors. Students also learn various speed control techniques involving both direct control and electronic control.

Microcontroller and PLC lab:

The concept of programming and interfacing techniques of microcontrollers specifically 8051 series are studied.

Digital Signal Processing Lab:

This lab deals with basics of Digital signal processing on a digital signal processor. Analysis and design is done via MATLAB and implementation on Texas instrument TMS series kit.

Advanced Programming Lab:

Study and writing Programs in C/C++ language.

Micro and Smart system Technology Lab:

This lab deals with Simulation of electrostatic-elastic actuation with fluid effect using CAD and experiments on BEL pressure sensor, Thermal-Cycle for PCR and Active control of a cantilever beam.

Robotics and Machine Vision Lab:

This lab deals with the configuration of types of robots and the different types of links and joints used in robots. Study on components of robots with drive system and end effects. Verification of transformation (Position and orientation) with respect to gripper and world coordinate system are dealt.



Graduate Programs Offered

B.E. IN CIVIL ENGINEERING

Duration: 4 years

Civil Engineering is a prominent and oldest branch of engineering which deals with buildings, bridges, roads, flyovers, railways, water supply, sanitary, development of townships and other infrastructural development. Due to liberalization policy of the government, many infrastructure projects like golden quadrilateral, National highway constructions and transport sector development are the need of the hour. Many multinationals are engaged in the infrastructure developmental activities. The job opportunities are in civil engineering fields and software companies. Analytical and logical abilities and liking for the profession are the essential requirements. Subjects on concrete technology, transport engineering, water supply and sanitary engineering, geotechnical engineering, fluid mechanics and machinery, structural mechanics, hydrology and water resources, irrigation engineering are studied in this course.

Labs and Practicals

Basic Material Testing Lab

Experiments to test engineering materials including torsion test, shear test, compression and tensile tests. Material hardness tests including Rockwell, Vickers and brinell test. Experimental study of properties of aggregates.

Surveying Practice 1

The experimental study of distance, gradient and contour of land, using techniques like chain surveying, plane table surveying and collimators.

Surveying Practice 2

Measurement of angles elevation, offsets, using theodolite surveying technique, tachometric surveying etc.

Applied Engineering Geology Lab

Identification of minerals and rocks depending on the hardness tests. Study of geological maps and determine the topographical terrain.

Computer Aided Design Lab

Introduction and drafting using AUTOCAD, structural analysis software, and use of Microsoft excel to solve engineering problems.

Hydraulics and Hydraulics machinery Lab

Calibration of collecting tank, pressure gauge, notches, weirs. Venturimeter, vertical orifice, flat and semi circular vane experiments. Characteristics of centrifugal pumps, Kaplan turbine and Pelton wheel.

Geo-technical Engineering Lab

Study of properties of soils, such as specific gravity, water content, grain size analysis. Soil compaction tests, permeability tests, consistency limits. Soil strength tests like compression, shear and tri axial compression test. Consolidation tests.

Environmental Engineering Lab

Measurement of water hardness, electrical conductivity, dissolved oxygen, pH, using techniques like titration, spectrophotometer, and flame photometer.

Concrete and Highway Materials Lab

Experimental study of cement, concrete, and bituminous materials. Tests include compression, tensile and split tensile tests. Soundness test, setting time calculations for cement.



Postgraduate Programs Offered

M.TECH. IN COMPUTER SCIENCE & ENGINEERING

Duration: 2 years

Eligibility

Candidates who have acquired BE / B.Tech. / AMIE or equivalent degree in Computer Science / Information Science / Electronics & Communication Engineering / Telecommunication Engineering / Electrical & Electronics Engineering by securing not less than 50% marks in aggregate are eligible. However in case of candidates belonging to SC / ST / Group, the aggregate percent of marks in qualifying examination should not be less than 45%. The admissions are through central counseling on the basis of merit in PG CET or GATE. A few seats are also available under sponsored and Management quota. GATE qualified candidates are eligible for scholarship through AICTE.

About the Course

In the current scenario of various computing devices, the importance of efficient computing with resource optimization is becoming more and more relevant. The need for advancements in architecture and integrating computer hardware, software, algorithms, data management, simulation etc is being increasingly felt. It is in this context this program assumes relevance.

The curriculum is aimed to give theoretical and hands on in the areas of Advances in Operating Systems, Advances in DBMS, Computer Systems Performance Analysis, Formal Models in Computer Science, Advanced Algorithms, Advances in Computer Architecture, Computer Networks, Optical Networks, Advances in VLSI in the first three semesters and a host of elective subjects like Advances in Digital Image Processing, Computer Graphics & Visualization, Topics in Artificial Intelligence, Protocols Engineering, Advances in Storage Area Networks, Advances in Compiler Design, Information Security etc. Students have opportunity to work in advanced areas like Data warehouse, data mining as the department has projects funded by Government agencies and companies.

Infrastructure

The students are required to learn through hands on in various laboratories in the department, namely, Research and development lab, High performance computer Lab, Network simulator Lab.

Areas of Research

The students will get an opportunity to participate in projects related to, but not limited to Natural Language processing, Data Mining and Business Intelligence, Image processing, Clustering, Multicore processing, High performance computing.

Placement Opportunities

Students will get placement and internship opportunities in Companies like IBM, HP, Microsoft, Cognizant Technologies, Tata Consultancy, WIPRO, Oracle and many more.



Postgraduate Programs Offered

M.TECH. IN MECHATRONICS

Duration: 2 years

Eligibility

Candidates who have acquired BE / B.Tech / AMIE degree in ECE / EEE / Instrumentation Technology / ME / IPE / IEM / Automobile Engineering / Manufacturing Science / Aeronautical Engineering, by securing not less than 50% marks in aggregate are eligible. However in case of candidates belonging to SC / ST / Group 1 aggregate percentage of marks in qualifying examination should not be less than 45%. The admissions are through central counseling on the basis of merit in PG CET or GATE. GATE qualified candidates are eligible for scholarship through AICTE. A few seats are also available for sponsored and Management candidates.

Mechatronics is defined as "a synergistic combination of precision mechanical engineering, electronic control and systems thinking in the design of products and manufacturing processes". Mechatronic systems and subsystems appear across all industries, including automotive, aerospace, consumer electronics, machinery, equipment, and others. Mechatronic systems are excellent candidates for design process optimization due to the high complexity of Mechatronic designs, the high degree of integration of electrical, mechanical and information-processing components, the overlapping design disciplines and system behaviors, and the critical nature of optimizing of the overall system. The curricula for this post-graduate programme provides the students thorough knowledge in hydraulics and pneumatics, MEMS advanced control systems, sensors and actuators, signal processing, robotics and automation, embedded system, systems design and product development. The Laboratories are equipped with hardware and software to enhance the teaching of courses and research in this innovative engineering discipline. To develop problem solving ability, in-depth technical competence, problem identification, formulation and solution for Mechatronics problems and hands on skills to enter careers in Mechatronics. The programme is conducted by well-versed faculty, invited experts from reputed institutions and industries.

Job Opportunities for the Postgraduates

Students may get placement in R&D organizations like DRDO, ISRO, CSIR, BARC etc. and modern industries involved in precision engineering, automotive, aerospace, process control, automation, robotics, computers, communications, electronics, health care, machine tools, power plants, as well as offers opportunities for higher studies and becoming qualified faculty in academic institutes.



Postgraduate Programs Offered

M.TECH. IN DIGITAL ELECTRONICS & COMMUNICATION ENGINEERING

Duration: 2 years

Eligibility

Candidates who have acquired BE / B.Tech / AMIE degree in Electronics & Communication, Telecommunication Engineering, Electrical & Electronics Engineering, Instrumentation Engineering, Bio-Medical Engineering and Medical Electronics by securing not less than 50% of marks in aggregate are eligible. However in case of candidates belonging to SC/ST/Group I with aggregate not less than 45% in qualifying examination are eligible. The admissions are through central counseling on the basis of merit in PG CET or GATE. GATE qualified candidates are eligible for scholarship through AICTE. A few seats are also available under sponsored & Management categories.

About the Course

Today, all technological advances are due to emerging trends in the field of digital electronics and communication, which is catering new dimensions to the world consumer electronics. The course is designed to meet industry demands and to provide recent developments in digital electronics, digital signal processors, digital control systems and digital communication. The course also covers advances in communication and related concepts and algorithms.

Infrastructure

The department has state of art laboratories equipped with modern and sophisticated equipments with research oriented environment. Students can also have an access to industry collaborative laboratories with a focus on industrial needs.

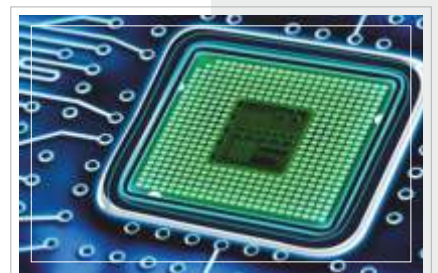
Research Opportunities

Students can work on the projects related to, but not limited to: Optimization & Characterization of digital circuits, Network topologies, and embedded systems.

Job Opportunities for the Postgraduates

Placements

Companies like INTEL, Inferion, Marvel, Wipro, Infosys, Texas explore the internship & placements opportunities.



Postgraduate Programs Offered

M.TECH. IN COMPUTER NETWORKING

Duration: 2 years

Eligibility

Candidates who have acquired B.E / B.Tech / AMIE or equivalent degree in Computer Science / Information Science / Electronics & Communication Engineering / Telecommunication Engineering / Electrical & Electronics Engineering by securing not less than 50% marks in aggregate are eligible. However in case of candidates belonging to SC/ST/Group 1, the aggregate percent of marks in qualifying examination should not be less than 45%. The admissions are through central counseling on the basis of merit in PG CET or GATE. A few seats are also available under sponsored and Management quota. GATE qualified candidates are eligible for scholarship through AICTE.

About the Course

In the present scenario of computer networks and the internet, virtually every individual and large enterprises use networks for applications ranging from simple resource sharing to enterprise-wide integration of applications and business process. It is in this context that this program assumes relevance.

The curriculum is aimed to give theoretical and hands on in the areas of Computer Networks, Advanced Digital Communication, Network Programming, Information Security, Wireless & Mobile Networks, Client-Server Programming, Optical Networks, Switching & Statistical Multiplexing in Telecommunications, Network Management and a host of elective subjects like C# and .Net, System Modelling and Simulation, Distributed Systems, Web Engineering, Protocols Engineering, Advances in Storage Area Networks, Wireless Sensor Networks, Topics in Analysis of Computer Networks etc. Students have the opportunity to work in advanced areas of networks as the College has projects funded by International Companies.

Infrastructure: The students are required to learn through hands on in various laboratories in the department, namely Research and development lab, High performance computer Lab, Cloud computing Lab, Network simulator Lab.

Areas of Research

The students will get an opportunity to participate in projects related to, but not limited to Wireless sensor networks, Mobile Ad Hoc networks, Cloud computing, Artificial Intelligence, Neural networks.



Postgraduate Programs Offered

M.TECH. IN VLSI DESIGN & EMBEDDED SYSTEMS

Duration: 2 years

Eligibility

Candidates who have acquired BE / B.Tech / AMIE degree in Electronics & Communication, Telecommunication Engineering, Electrical and Electronics Engineering, Instrumentation Engineering, Bio-Medical Engineering and Medical Electronics by securing not less than 50% marks in aggregate are eligible. However in case of candidates belonging to SC/ST/Group 1 aggregate percentage of marks in qualifying examination should not be less than 45%. The admissions are through central counseling on the basis of merit in PG CET or GATE. GATE qualified candidates are eligible for scholarship through AICTE. A few seats are also available for sponsored and Management candidates.

About the Course

Advances in VLSI have today enabled most systems to become compact, highly reliable and deliver data at high speed. Further the advances facilitate the designer to tailor the IC for specific applications (Application Specific Integrated Circuits). Requirement of improved solutions for miniaturization, high speed, reliability, and high performance computers, necessitates skilled engineers. Thus there is an urgent need to produce quality engineers who can conceive, design and develop VLSI and Embedded systems. The programme curriculum is aimed at VLSI system design (both Front end & Back end designs) covering algorithms, Hardware description Languages, System Architectures, Physical designs, Verification techniques, Simulation & Synthesis, Low power design techniques and mixed mode design methodologies. The course also offers strong knowledge in the embedded system design by covering thrust areas such as Advanced Embedded Micro controllers, Real Time Embedded Systems, Advanced Embedded System Design and System On Chip. Students also have an access to industry collaborative laboratories set up by Texas Instruments, Nxp Semiconductors and Free scale semiconductors.

Infrastructure

The Department has dedicated Laboratories equipped with Electronics Design Automation (EDA) Tools such as (1) Cadence (2) Model-Sim (3) Synthesis tool from Xilinx (4) FPGA trainer Kits and (5) RTOS tool.

Areas of Research

The students will get an opportunity to participate in projects related to, but not limited to: Design of Low power VLSI system, Optimization of Digital circuits, Synthesis of Digital Circuits, Testing of VLSI circuits, Design of Real time embedded systems & large area flexible electronics

Placement Opportunities

Companies like INTEL, Infeon, Alcatel-Lucent, Infosys, Wipro, Texas Instruments and many more offer internship and placement opportunities.



Postgraduate Programs Offered

M.TECH. IN MACHINE DESIGN

Duration: 2 years

Eligibility

Candidates who have acquired B.E/B.Tech/AMIE degree in Mechanical Engineering, Aeronautical Engineering / Industrial and Production Engg / Automobile Engineering as per VTU norms from time to time by securing not less than 50% marks in aggregate are eligible. However in case of candidates belonging to SC/ST Group, the aggregate marks in qualifying examination should not be less than 45%. The admissions are through central counseling on the basis of merit in PG CET or GATE. A few seats are also available under sponsored and Management Quota. GATE qualified candidates are eligible for Scholarships through AICTE.

About the Course

Machine design is the core branch in the domain of Mechanical engineering and its allied streams. The program involves the comprehensive study on the stress analysis, theory of elasticity, Finite element analysis methods, vibration & condition monitoring concepts and Tribology & design methodology. Machine design incorporates the process by which resources are connected into useful mechanical forms or Mechanisms so as to develop machines.

The PG course empowers the student to efficiently address the practical design problems by subjecting the students to advanced courses in the domain of machine design. Students will be exposed to practical knowledge on photo elasticity and vibration analysis

Infrastructure

The college is privileged with a Nano science and Technology research centre for multi disciplinary research. The department also boosts itself with a state of the art research and development centre equipped with research laboratories, facilitating research. The college has a Centre of Excellence in Digital Design, Validation and Digital Manufacturing established in association with SIEMENS Pvt Ltd. This is the only centre established by SIEMENS in Karnataka state. The centre has specialized softwares used in the Manufacturing Industries

Job Opportunities

The Post graduates with Machine design as specialization may find the job opportunities in the areas of aerospace, automotives, tool design, product design and a wide spectrum of allied fields



Postgraduate Programs Offered

M.TECH. IN NANO TECHNOLOGY

Duration: 2 years

Candidates who have acquired BE / B.Tech / AMIE degree in ECE / EEE / Instrumentation Technology / ME / Automobile Engineering / Manufacturing Science/ Aeronautical Engineering / M.Sc. with Phy./ Chem./ Bio Sc. / Natural Sc. / Electronic Sc. / Instrumentation / Mathematics by securing not less than 50% marks in aggregate are eligible. However in case of candidates belonging to SC/ST/Group 1 aggregate percentage of marks in qualifying examination should not less than 45%. The admissions are through central counseling on the basis of merit in PG CET or GATE. GATE qualified candidates are eligible for scholarship through AICTE. A few seats are also available for sponsored and Management candidates.

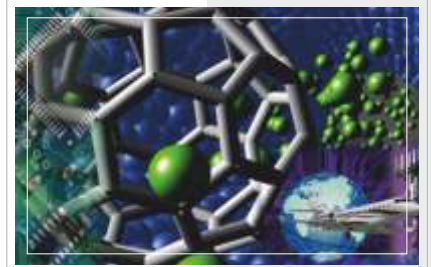
There are very good career prospects for students having successfully completed their M.Tech. in Nanotechnology from a reputed institute in India. It is an interdisciplinary subject that integrates the study of Bioinformatics Biotechnology, Physics, Chemistry as well as other Engineering disciplines. There is a huge demand for students who have done Nanotechnology Courses in a good number of industries and laboratories in India and abroad. Some of the industries in India that employ candidates with a Nanotechnology degree include Health Industry research and consulting; pharmaceutical; agriculture; environment industries; academic institutes; government and private research institutes and food and beverage industries among others. A range of opportunities awaits the candidates willing to go outside India where they can work in the segments of nano-polymer and nano-medicine and as integration engineers also. The research opportunities exist in the areas of nano-devices , nano-packaging, nano-wires, nanotools, nano-biotechnology and nano-crystalline materials, nano-photonics and nano-porous materials, to name a few. Nanoscience and Technology Institutes, with their centers at Switzerland, Cambridge and Massachusetts offer a lot of job opportunities. ASME Nanotechnology institute in New York also provides job opportunities to deserving candidates.

Objectives

- M.Tech Nano technology program is aimed at developing future ready professionals who would carry expertise and competence in the evolving and high potential domain - Nanotechnology.
- To equip graduates with the broad range of the skills required to flourish in the rapidly developing field of nanotechnology.
- To create a strong research focus, with high achieving students, working in state-of-the-art research laboratories equipped with world class fabrication and characterization resources.

Scope for Employment and Research

- With a professional degree in nanotechnology under one's belt, one can work as a scientist, academican, biotechnologist, systems designer, research officer or product designer in major sectors like solar energy, aerospace, environment, telecommunications and computing. The areas where a nano- technologist can seek employment include electronics, chemical, agriculture, food and beverage, genetics, bio-technology, Space research, forensic science, environment, industry and medicine.



Postgraduate Programs Offered

M.B.A @ MITE

Duration: 2 years

Mangalore Institute of Technology & Engineering Management Studies has been established as an integral part of MITE. MITE has well earned a reputation as a trendsetter in engineering and Management education. MITE has already established its spacing in professional education by starting its Post Graduate Segment in Management Studies by securing a pass percentage of 97 in recently concluded VTU final semester MBA examination.

MITE offers MBA Program (Affiliated to VTU and approved by AICTE) through its Management Studies wing. MITE Management Studies wing, which is dedicated to the opening up of new frontiers in the global management streams. MITE Management Studies aim at transforming youth into promising potential leaders in management scenario.

MITE Management Studies provide unique training by imparting knowledge skills that are relevant and much sought after by corporate globally. By involving in latest case studies, management games and brain storming sessions etc, we prepare them with a readiness to adapt to every situational opportunity and to excel in their chosen fields.

Mission

To prepare industry ready, educated, responsible managers to contribute to economy and society.

The Specializations offered

The MBA Program offered is a two year full-time management program affiliated to VTU Belgaum with an intake of 120 students, 60 students per batch. The Department offers opportunities to students to specialize in following areas.

- Marketing
- Finance
- Human Resources Management

Course Curriculum

The MBA Program, as per the University norms, consists of four semesters. During the first semester the students are exposed to General Management papers and during the second and third semesters the students are given intensive training on core papers of Management like Marketing, Finance and Human Resources Management.

During the Fourth semester students are permitted to do research work with an objective to gain practical knowledge.

Faculty

The Department is equipped with experienced and highly qualified team of 12 full-time faculty members and a good number of visiting faculties from various industries and professional groups from IIM's and IIT's all endowed with an admirable spirit to serve.



Infrastructure Facilities

- State-of-the-art Infrastructure
- Hi-speed Internet Connectivity
- Highly conducive environment for research
- Enormous Industry-Academia Relationship
- Good Library facilities equipped with subject books, magazines and journals and inspirational management books
- Separate reference hall

Career Guidance and Value Addition

Apart from various co-curricular and extra-curricular activities, students are exposed to career oriented and guidance programmes to update their value systems in order to commemorate with the current industrial practices and to keep them Industry Ready for placements.

Faculty Advisor Role

A Faculty Advisor is appointed for every 20 students in the class strength of 60. They play a vital role in maintaining the entire database of the individual students during their period of study. Parents meeting are conducted once in every three months by the faculty advisors in order to update the parents about their students' performance. Timely counseling and expertise is shared with the students to keep them motivated and also to keep their morality high.

Guidance for Paper Presentation

The students are encouraged to participate in seminars and conferences, by preparing and submitting papers on relevant topics.

Industrial Visit

The college has tied up with premier MNC like Toyota-Kirloskar, Toyota, Bosch, Diya Systems, MRPL, MCF and Infosys for providing practical exposure to the students byway of industrial visits.

MDIS - SINGAPORE - The college also entered into an MOU with Singapore Institute of Technology (SIT) Singapore for a student exchange program.

MITE has signed an MOU with MDIS (Singapore) for students to get exposure to the international curriculum in Business Management. Also, every semester one of the faculty from MDIS visits our institute to handle International Business subject.







UNIVERSITY RANKS



2014 - 15: MITE secured FIVE Ranks in the University Exams

MITE is the only college in the Mangalore Region to secure Five ranks in the VTU Examination 2014-15.

B.E COMPUTER SCIENCE	B.E AERONAUTICAL ENGG	M. TECH MECHATRONICS	M.TECH MECHATRONICS	M.TECH MECHATRONICS
				
9 th Rank Ms. Shwetha Nayak	7 th Rank Ms. Gauthami G	1 st Rank Ms. Asha	2 nd Rank Mr. A P Prajwal Kumar	3 rd Rank Ms. Sushma Kalagara

2013-14 : Three Students of M.Tech Mechatronics secured the First Three Ranks in the VTU Examinations 2014.

2012-13 : Ms. Deeksha of MBA secured the I Rank in the VTU MBA Examination conducted in the year 2012. She was the first ever student in the Mysore zone of VTU to secure the I Rank. She was also awarded Four Gold Medals for having secured 1st Rank, Highest Marks and Topper in Master of Business Administration under VTU.

INFOSYS CAMPUS CONNECT WORKSHOPS

Campus Connect is a unique academia-industry initiative of Infosys to “architect the education experience”. The goal is to build a sustainable partnership with engineering education institutions in India and abroad for mutual benefit of producing “industry ready” recruits. MITE is officially partnered with Infosys to offer the various programs of Campus Connect initiative. The objective of Campus Connect program is to enhance the quality and quantity of the IT talent-pool; sustain the growth of the IT industry itself and intended to increase the employability of students.

MITE is now recognized as “**Advanced Partner Institute**” by Infosys since 2014. Also Infosys has recognized MITE as “**Outstanding College of the Year 2015**” for the rollout Soft skills Program to the students.

The Campus Connect offerings are intended to make the college curriculum align with the industry's requirements. Seminars and training sessions are arranged for the faculty to give them an industry perspective, enabling them to train the students accordingly. Also as part of this program industry-oriented topics are designed and the courseware is provided to the students. The students are given projects and sabbaticals are given for the faculty.

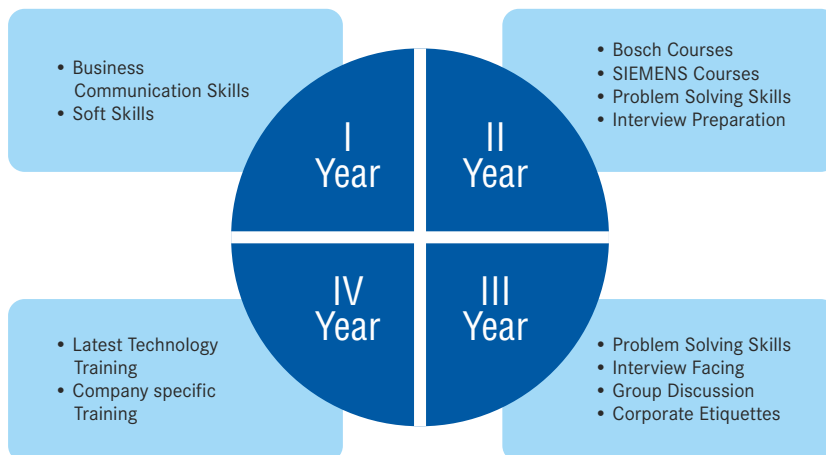
Some of the skills that are being covered in the workshop include: articulation, competence in reading, writing, effective listening and oral communication skills, adaptability to cross cultural environment through creative thinking and problem solving, personal management with assertiveness and initiative, interpersonal skills and the ability to work in teams.

Employability Skills Development Program

Objective

Personality Development, Bridging the Industry Academia gap, Industry readiness

MITE has been conducting various programs on soft skills, Life skills for all its students under the Employability Skills Development Program (ESDP). ESDP cell was launched in the year 2010, with the objective of making a student 'Industry Ready' and bridge the gap between classroom teaching and Industry needs. The ESDP cell regularly conducts various programs for the students, thus making them ready to face the challenges of Industry and be 'Industry Ready'.



INDUSTRY - INSTITUTE RELATIONS

Rexroth
Bosch Group

REGIONAL CENTER FOR COMPETENCY
IN AUTOMATION TECHNOLOGIES



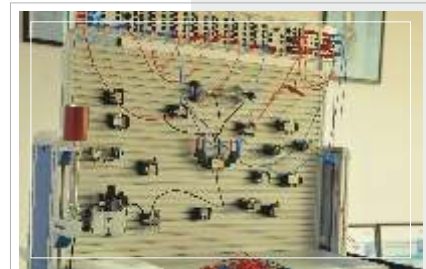
World Leader in Automation Technologies, BOSCH, does not need any introduction at all.

Initiatives to bring Industry and Engineering Institutions closer have been very strong in BOSCH and as a part of this, BOSCH has been setting up Centres for Competency in different parts of the world. To set up the first one of this kind in South Karnataka well known for premier educational institutions in the field of engineering, BOSCH conducted a detailed evaluation of such campuses in the region which included a study of the standing, infrastructural posture, existing and potential capabilities and overall commitment to quality and we are very happy to say that MITE has been selected for this coveted position by BOSCH. Let us hasten to add that this centre is the only facility from BOSCH in South Karnataka region for the entire engineering colleges in this area to take advantage of. Of course, this gives another occasion for the students, staff and all others connected with MITE to feel justifiable proud, but our real distinction will be in establishing the centre and enabling it to support the entire fraternity in the region with high level of dedication conforming to highest level of Quality.

The need for bringing Educational Institutions and Industry closer has been a constantly debated and agreed upon subject, always. Rapid developments in the engineering industry due to constantly expanding knowledge and innovations in the industry constantly exert pressure on University curriculum towards the point of obsolescence as the fastest recouping Universities are at least five years behind industries. This is of particular relevance to some emerging sectors like Robotics, CNC Technology, Mechatronics, Hydraulics & Pneumatics and PLC Technology, to name a few. Advances in Automation Technologies have always faced challenges and outlived them extremely well in man-machine interfaces, particularly when the requirements are of highest level of precision to monitor and control events taking place in hazardous environments where human beings cannot operate.

Students participating in training in the above niches of advanced subjects get sufficiently exposed to latest developments and become well prepared to meet the realities that they have to encounter on completion of their regular academic studies. This enables them to work confidently on assignments without any need for internship, apprenticeship, On the Job Training or the like. The certification that they are entitled to from BOSCH, at the end of this training has been found to be of tremendous advantage during campus placements as industries all over the world are presently operating on Automated Technologies. The BOSCH Centre for Competency set up at MITE in a stand-alone mode and also in Networking mode with other similar Centres of BOSCH all over the World will undoubtedly offer itself as an excellent learning facility for the vast student fraternity of the entire South Karnataka Region. Our faculty members were deputed for advanced training at the BOSCH, Wurzberg, Germany.

Invent
Solutions



MITE - SIEMENS

Centre of Excellence in Digital Design,
Validation and Digital Manufacturing

MITE - SIEMENS "CENTRE OF EXCELLENCE"



Mangalore Institute of Technology & Engineering in association with Siemens PLM Software has set up a Center of Excellence (COE) for Digital Design, Validation and Digital Manufacturing. The COE will give students access to the same technology that companies around the world depend on every day to develop innovative products in a wide variety of industries including automotive, aerospace, machinery, shipbuilding, high-tech electronics and many more. Graduates with this type of software training are often the preferred candidates for advanced technology jobs. MITE is using the same technology in its classrooms that companies worldwide depend on to design some of today's most sophisticated products.

The Centre of Excellence includes SIEMENS PLM Software solutions such as NX™, Tecnomatix® and Fibersim™. NX™ software is a leading integrated solution for computer-aided design, manufacturing and engineering (CAD/CAM/CAE). Tecnomatix® portfolio is the leading digital manufacturing software of industry today. Fibersim™ portfolio of software is the solution for composites engineering. The software grant has been provided by Siemens PLM Software's academic program that delivers PLM software technology to more than one million students yearly at more than 12,000 global institutions.

Siemens PLM Software is a leading global provider of product lifecycle management (PLM) software and services with 7 million licensed seats and more than 71,000 customers worldwide, delivering upon solutions to help its customers make smarter decisions that result in better products.

MITE is providing industry-leading technology in the classroom, with the aid of these SIEMENS PLM Softwares. By using the same technology in the classroom that is used by companies all over the world to develop a wide variety of products, our students gain important real-world experience during their studies that will serve them well after graduation. As product complexity continues to grow, students who are able to use PLM software technology are expected in great demand. MITE looks forward to build next generations of engineers with Siemens PLM Software as an Industry partner in realizing its goal of providing real time Industry oriented education.



GLOBAL UNIVERSITY TIE-UP

Binghamton University, New York



MITE signed an important Memorandum of Agreement (MoA) with Binghamton University, State University of New York. Binghamton

The University hosted the signing ceremony of MoA on 4th of May 2016 at their campus. Binghamton University is ranked **8th Best Public University** and 15th overall amongst 'Top 25 Best Value Universities in US' by Forbes Magazine. It is also considered as one of **USA's Top 50 Public Universities** for 18 consecutive years.

With this agreement, the two Institutes agree to 'foster advancement in teaching, research, academic collaboration and cultural understanding, and to create avenues for enhancing learner experience at both partners, as well as strengthen both partners by finding ways of combining their complementary resources and strengths. With the MoA, MITE aims to excel in Research with collaborative research works to be done in several areas. Also, the intention of this partnership is to create a specific foundation to encourage exchange and sharing of Academic, scientific and cultural experiences amongst their Professors, students and Administrative Personnel.

To start with, a Certification Program on 'Lean Six Sigma' was conducted during September 2016 by Binghamton University for the Mechanical Engineering and Aeronautical Engineering Students at MITE Campus. Binghamton University will be admitting students for MS Studies from MITE. Also, Final Year Students will be getting an opportunity to do their Six Week Internship Program at US. In addition Final Year Student Projects will be mentored by Professors as Project Guides.



ITE - West Singapore

MITE also has an MoU with ITE West Singapore. Two batches of students from ITE West Singapore visit MITE every year and undergo courses in the stream of Electronics and Computer Science respectively. This program is successfully running since the year 2010.

MITE has an MoU with MDIS Singapore, one of the biggest business schools in Singapore. To impart International learning experience, each year Management Students of MITE visit MDIS and undergo Two Weeks of training on International Business Practices and etiquettes.

RESIDENTIAL PROGRAM

Hostel Facilities

MITE provides the students with accommodation that always gives a home-away-from-home feel and ambiance while staying at the Hostel. We provide a safe, clean, comfortable eco-friendly environment in a lush green campus that supports the development of a vibrant MITE student community. Overall, students can lead a pollution-free life.

We have a team of friendly and helpful Resident Wardens, Resident Advisors and Resident Assistants to offer support and assistance which may be needed in making transition a positive one. Hostel rooms are furnished with single beds in twin sharing accommodation with wardrobe/ cabinet, desk lamp, chairs and bookshelves with good ventilation and lighting. We have internet cafe, TV hall and Recreational area within hostel blocks. We have separate blocks for girls and boys hostel. We have air-conditioned hostel facility in our Deluxe block for NRI students and who can afford.



OTHER FACILITIES

Library

The College library has a collection of over 21,916 volumes, most of the standard journals, technical as well as general, and all leading newspapers. The reference section is a large repository of books. Periodicals, information services and a huge back volume of journals. It comprises of a digital section with a collection of umpteen CDs, E-Books & E-Journals. Library has taken the membership of INDEST-AICTE Consortium for the subscription of online electronic resources.

As per the AICTE Norms library has subscribed for E-Journals of IEEE, I-GATE, ASTM DIGITAL LIBRARY, WILEY-BLACKWELL, ELSEVIER, Springer, McGraw Hill, Gale Cengage Learning, EBSCO, D-Line Etc. The College has been enlisted in the DELNET network, A Govt. of India initiative.

The State of the art college library is spread in almost 18,000 sq ft area with seating capacity for more than 800 students at a time with discussion chambers. Separate magazine sections provides true atmosphere for learning.



Dining Hall/Mess Facility

Clean and hygienically prepared food is served in our Dining hall. We have well trained chefs who are experienced in catering North Indian, South Indian, Chinese and continental cuisines.



Communication and Education Edusat Relay Point

MITE is one of the few institutions in the state that makes extensive use of EDUSAT facilities. Seminars and lectures by experts are relayed directly to the college via satellite.

Videoconferencing

MITE offers world class video conferencing facility for sharing documents, computer displayed information and white boards.



Internet Connectivity

MITE has internet connectivity via 50Mbps leased line and a 8 Mbps broadband connection. There are 15 Wi-Fi hotspots within the college campus, in addition to the LAN network interconnecting all the classrooms. Besides, the college hosts its own Web Server, Mail Server and DNS Server powered by Debian.

The College Also Offers

- State-of-the-art E-Classrooms with smart board and LCD
- Full fledged A/C Labs with modern facilities
- Centralized Workshop
- Transport Facilities
- Air conditioned Food court
- ATM
- Super Market



AWARDS & ACHIEVEMENTS

Best Engineering College of the Year 2015



MITE is been awarded as 'Best Engineering College of the Year 2015' under the category Industry Engagement by 'Higher Education Review' Magazine.

Outstanding College of the Year 2015



INFOSYS has recognized MITE as 'Outstanding College of the Year 2015' for the contribution in rolling out Soft Skills Program.

AWARDS & ACHIEVEMENTS

Best Engineering College undertaking Green Initiatives



MITE has been awarded the 'Best Engineering College undertaking Green initiatives' by the Pollution Control Board, Mangalore, Govt of Karnataka, for the various steps taken towards making a Green Campus

MITE E-Kart wins 'BEST DESIGN' Award at All India Eco-Kart 2017 Competition



The Eco-Kart designed and developed by the Mechatronics Engg and Aeronautical Engg students of MITE won the 'Best Design Kart Award' for the design and development of an eco-friendly battery operated car at the All India Design and Development of Eco friendly car Competition-Eco-Kart 2017 competition held at BML Munjal University, Gurgaon, Haryana. The award was given for the 'aerodynamic curved body structure and virtuous aesthetic appearance with sportive features'.

AWARDS & ACHIEVEMENTS

MITE Students wins 'Platinum Award' at KPIT Sparkle 2017



- 2017: Students of Mechanical Engineering of MITE won the Prestigious award in Annual National Design and Innovation Contest conducted by KPIT - KPIT Sparkle. The Team won the **Platinum Award with a Cash Prize of Rs 10 Lakhs**. The Team won the Award for their Project "Frictionless Gear Transmission Using Polymagnets". The Team was presented the award by Honourable Minister of HRD, Mr. Prakash Javdekar and Mr. Kiran Karnik, Former President, NASSCOM. The Team was one amongst the 35 Top Finalists in India amongst 1500 Teams who had submitted their Ideas. Another Project Team of Electronics and Communication Engineering was also selected for the Top 35 who participated in the Finals.
- 2016: Electronics & Communication Engineering Student Project 'Artificial Bio fuel generating Plant' was selected for the Finals of All India Science & Engineering Students Project Contest: 'KPIT Sparkle 2016' conducted by KPIT Technologies Ltd, Pune. The Design Proposal stood among 55 Top Designs out of 1700 entries and participated in the Final Round exhibition held at Pune. The students were presented '**Most Promising Innovators**' Award.

AWARDS & ACHIEVEMENTS

MITE Students wins the 2nd Prize at UNISYS Cloud 20/20

Annual All India Project contest with a cash Prize of Rs 1.25 Lakhs



2017 : Students of Electronics and Communication Engineering of MITE won the 2nd Prize at UNISYS Cloud 20/20, Annual National Project Contest . The Innovation Contest conducted annually by UNISYS, is designed to foster innovation among students and create a talent pipeline for UNISYS and the IT Industry at large. The Team won the **2nd Prize with a Cash Prize of Rs 1.25 Lakhs**. The Team won the Award for their Project "Co-Di-Ra Messenger". The Team was one amongst the 800+ Projects submitted across India.

2016 : MITE had won the **3rd Prize with a cash Prize of Rs. 1 Lakh** at Unisys Cloud 20/20 Ver 7.

Electronics & Communication Engineering Student Project - 'Triplet Li-fi' won the Third Prize in the prestigious Annual 7th Edition of UNISYS All India Project Competition Cloud 20/20. The Team also won the cash prize of Rs. One Lakh along with citation. A total of 1600 teams from colleges across India participated in the 7th Edition of Cloud 20/20. MITE was the only team from Karnataka to win this prize.

2015 : MITE Student Project was selected for the Finals of the Unicsys Cloud 20/20 ver 6. The Project was one amongst All India selected Top 7 Projects for the Finals.

AWARDS & ACHIEVEMENTS

Mite 'All Terrain Vehicle' Awarded 'Most Popular Car of the Year' by JK Tyres Motorsport



The Mechanical Engineering Student Team designed and developed an 'All Terrain Vehicle' which participated in the SAE India competition. The Team stood All India 10th among 44 teams that qualified out of 175 teams. Also the Car was awarded as the 'Most Popular Car' by JK Tyres Motorsport. The students designed and manufactured the 'All Terrain Vehicle' at a cost of Rs. 8 Lakhs, which was sponsored completely by the Management.

- The Team stood All India 17th amongst all the participating 400 teams in the Preliminary Round and qualified for the SAE Baja 2016
- The Team stood 7th in the Acceleration event at SAE Baja 2016 at Budh International Circuit, Greater Noida.
- The Team stood 8th in the Endurance event.
- The Team stood 10th in the Weight pulling event.
- The Team stood 15th in the Design Event.
- Overall the Team was Ranked 10th out of final 44 shortlisted Teams
- The Car was also awarded 'Most Popular Car of the year' by JK Tyres.
- The Team further qualified for SAE Baja India 2016, held at NATRAX Facility, NATRIP, Indore.
- The Team won 7th out of 155 Teams in the Endurance Event at SAE Baja India 2016

AWARDS & ACHIEVEMENTS

MITE Go Kart Awarded 4th at International Go-Kart Competition



- 2017 : MITE Student Team designed a '**Go-Kart Car**' and participated in the International Go-Kart Championship at LPU, Jalandhar Punjab during March 2017. The competition witnessed participation from 170 teams across the globe. Only 34 Teams cleared the Technical inspection and qualified for final Round. **MITE Go-Kart Team** further cleared the Technical, Design inspection, Break test and acceleration test and was **Ranked All India 4th Overall**. Team MITE was the Second 'Runner up' in the Endurance.
- 2016 : **MITE Go-Kart Team** was ranked All India 6th. The competition witnessed participation from 170 teams across the globe. Only Top 22 teams qualified for the final Round.

MITE bags maximum no. of Student Project Sponsorship in KSCST



KSCST
KARNATAKA STATE COUNCIL
FOR SCIENCE AND TECHNOLOGY

- 2016-17 : A record number of **16 Student Projects** were selected and approved for Sponsorship in the KSCST Annual 'Student Project championship 2016'. KSCST provides financial and academic support for B.E Projects, which is a unique experiment in Karnataka. This is also first of its kind in technical education in the country and has a major impact in improving the quality of technical education. Student Projects of MITE have been consistently getting selected in the KSCST every year.

No. of Projects selected for sponsorship:

2016-17	2015-16	2014-15	2013-14	2012-13
16 Projects	14 Projects	6 Projects	4 Projects	4 Projects

PLACEMENTS

The success behind our placement program can be traced all the way to our mission and vision which collectively promote the overall success of students, staff and the college. The industries in India and abroad, seek to recruit the best brains entering the industry from MITE. This ensures that students of MITE pick the right kind of work that they want to do. Major recruitment drives are conducted from Sep to May of every year wherein prominent organizations both Indian and International participate and recruit our students. 100% of our eligible candidates have been getting placement offers in the recruitment drive.

Average Salary offered : Rs. 4.2 Lakhs per annum

Highest Salary offered : 2015 - 16 : Rs. 9 Lakhs per annum in SAP Labs
2014 - 15 : Rs. 11 Lakhs per annum in Radio Holland

CAMPUS PLACEMENTS



SENTIA

It is well known and profoundly acknowledged in the fields of Engineering and Management Education in the state of Karnataka that Mangalore Institute of Technology and Engineering(MITE) has the most enviable Infrastructure and superlative staff which enables the college to deliver Quality Education and also achieve excellence in these fields. In consonance with the vision and mission statements of the Institution, we are committed to ensure that all students leave the college, on completion of their graduate and postgraduate programs, as excellent human beings, in addition to being highly competent professionals. This is of paramount importance for the students and the Institution alike, to ensure that the students are well prepared to make significant contributions to the Society, the country and the World, at large.

To achieve the above objectives, we are committed to the all-round growth of every student and it is here that the focus on co- curricular and extracurricular activities assumes great importance. Apart from providing world class playgrounds and associated sports gear we have been paying special attention in the areas of Art and Culture. The campus is kept very lively by the students and staff alike, by indulging in sports, games and cultural activities of their choice and this is found to enhance their academic performance in a regenerative process, as evidenced by their remarkable results in various semesters. The Campus witnesses an annual event lasting about a week which showcases the extraordinary talents of the students in various forms of sports, arts and culture. This event is rightly named SENTIA which is the true exposition of rhythmic, lovely expressions. Many other colleges from far and near join us during this celebration week and we reciprocate the same by sending our students to other campuses. It is a matter of great satisfaction and pride to all of us that many of our students have earned great names for themselves and MITE alike, by winning many competitions in other campus festivals. Many of them have exhibited commendable talents and won in various state level competitions as well, bringing laurels to us. We are indeed very proud of them.

The excellent atmosphere that prevails in the campus, academically and otherwise, undoubtedly puts us on a continuous growth path, and we have added many graduate and postgraduate programs from the day of our inception with just four streams of sixty seats each. Today we stand at a threshold of more than three times that size with over ten different programs with an average annual intake of students approximately one thousand.



Student Testimonials



MITE has provided me a platform to develop multifaceted qualities through various aspects, from organizing the Technical Talks, webinars to organizing Senita. I am thankful for letting me represent on behalf of MITE to activities such as Microsoft Student Partners(MSP) Program, Google's Applied CS Course using Android and also organizing Microsoft Research's Tech Vista 10th edition. This was possible with the support and guidance of the Faculty at MITE.

Punith Gowda, 8th CSE
Placed in MindTree



MITE is a home away from home. What makes MITE unique apart from it's captivating infrastructure is its Fraternity. The concern and enthusiasm that they exhibit for both co-curricular and extracurricular activities, inspires us and brings out the best in us. MITE has provided me a platform to pursue my passions which has helped me shape my Career. I will forever be grateful to Destiny for having me, landed in MITE.

Anjani B M, 8th ECE
Placed in HPE



MITE taught me "Persistence is what could take me towards my dreams". Unceasing support and guidance from faculty is commendable. MITE has opened up new vistas of possibilities for my future and empowered me to be the best I can be, ample encouragement by my Faculty to make my latent talent patent is remarkable. MITE has built and strengthened my Character that will not crumble when tested in the crucible of life.

Adesh D Hegde, 8th Mech
Placed in Tech Mahindra



The campus is filled with positive energy and exuberance. The Infrastructure will leave you awestruck. The campus is full of limitless opportunities, if you want to discover yourself. MITE gave me a sense of confidence to face the challenges and turbulence in life.

Shreya Jain, 8th CSE
Placed in EMC



'MITE'-strongly abided by its mission to be a Centre of excellence is definitely moving ahead in the path of success. MITE has always provide the best of best facilities and nurtured me to get the best out of me. I shall be ever grateful to this institution for it has indeed transformed me into an potential professional individual. Thank you MITE!

Pradhan Shetty, 8th CSE
Placed in Citrix R&D



MITE has made me into this confident person I would never imagine to be. The best thing about MITE, excluding it's ambience is it's dedication. It had paved the path for a secure life, I would always be indebted to this place

Ramya S, 8th ISE
Placed in ITC Infotech



MITE, as the tagline says, turns stones into diamonds, toiling for each and every member of the MITE family. The diligence of the mentors here provide us with lessons worth a lifetime.

Thank you, MITE!

Megha S, 8th Aero
Placed in HP



MITE has provided me the learning of lifetime. With motivation and learning beyond Academics, MITE taught me to think out of the box and creativity. MITE has helped me to realize my Corporate dream

Mohammed Sameer, 4th MBA
Placed in Coffee Day



Today, if at all I have developed a positive attitude towards my studies and discover more about myself, I would acknowledge MITE for my overall development. The support I received from the entire MITE family is more remarkable and it would not have been for me to achieve what I have achieved today without the caring environment of all.

Krithi Krishnamurthi, 4th MBA
Placed in Infosys

Alumni Testimonials



Its world class infrastructure and technically superior faculty not only makes its students technically sound but also moulds them to be responsible and productive engineers. From its lush green campus to the advanced hi-tech engineering labs, MITE provides the best of the best to its students. MITE is a pool of opportunities and thus simply the best place to be for Engineering.

Mr. Gagan Sagar
Honeywell



MITE has given me what I was lacking in my life-a motivation to be the best. My Professors gave me appreciation when I deserved it and motivation and guidance when I was falling back. I owe my achievements to my Teachers and their guidance.

Shivani Sahoo
SAP LABS



Rather than only pursuing a professional degree which I could have done anywhere, I have grown as a complete professional, which would not have been possible elsewhere. The right choice of a professional career starts with a choice of Right professional college. Become a professional, Join MITE."

Mohammed Azzan Patni
Director, Pace Wisdom Solutions



The pleasure of being a 'MITEan' is always the best. The conducive atmosphere for learning, highly supportive faculty and the tremendous fun, combination of all, give us a superlative experience ever. The Hexagon ring in MITE logo specifies eminence, knowledge, fun, motivation, upliftment & opportunities.

Ms. Niketha Shetty
Mphasis



MITE educates students in a very creative way and encourages them to think out of the box. "Where Stones turned into diamonds" is not only a slogan but lived reality. The multicultural environment that is unique to MITE had provided me with such an experience building an OFF-Road buggy. The support that me and my team received during the course of our project was immense. The college that turned my Dream into reality!.

Ashwin Balaram B
Autoliv



MITE has not just been a place to obtain a formal degree, but also a place for professional and holistic growth. The facilities and infrastructure offered are one of its kind in the region and the mix of different student cultures adds a diversity to the aura. Not only does MITE invent solutions, but also invents dreams and leverages support and encouragement in order to realise it. A perfect place in all aspects for the next inventor, innovator or Entrepreneur!

Ms. Shrilaxmi S Rao
Infosys



MITE provides its students with top-notch education and Best in class career opportunities. This gave me a new perception of the way that lies ahead of me. Now I believe I can confidently face the corporate world that is in store. Thank you MITE for bringing out the best in me.

Shreeraksha
HPE



My Journey of 2 Years in MITE campus was valuable and Unforgettable. I've gained lot of experience with a great teaching faculty & the infrastructure provided by the college for development is world class

Jason Preetham Mendonca
Earnst & Young



It's my greatest privilege being a part of MITE family. The world class teaching and the infrastructure at MITE, highly supportive teaching and non-teaching staff have motivated me and boosted confidence in me. A Big Thanks to MITE.

Deeksha Suvarna
KPMG

TESTIMONIAL

"I am quite excited to see the most innovative and world class institute led by the most enlightened visionary".

Dr. M. VEERAPPA MOILY

Former Union Minister
Petroleum & Natural Gas, Govt. of India.

Management's Vision to make this Institute a mirror of industry's requirement is highly commendable, properly nurtured would beat IITs from objectives.

MR. R.S. RAJKUMAR

Vice-President, Bosch Rexroth India,
Bangalore

Excellent infrastructure built in line with international Institutions

MR. AVINASH JOHN HP

Singapore

Good campus and commendable infrastructure and practical knowledge provided to the students. All the best.

MR. KHUSHUNUM DASTOOR H.R.

Manager
Honeywell, Automation India Ltd., Pune

Excellent Organisation, runs like an efficient industry keep up your enthusiasm and freshness.

MR. NATARAJA C.

Robert Bosch Engineering &
Business Solutions Limited

"I am happy to visit the college. Impressed by the devotion of Management and staff to transform MITE into a Centre of Excellence.

PROF. N.R. SHETTY

Former VC, Bangalore University

MITE is a very ambitious, aspirational technical institute with abundant possibilities. I thoroughly enjoyed my stay in the college and realized MITE has a set of passionate people who wants to make a difference to student community in impacting life skills.

Naganagouda S J

Head - Human Resources, GlobalEdge Software

Excellent Infrastructure & atmosphere for learning & development. Industry oriented course will be very helpful for student.

MR. GOKUL MVASUDEV

SIEMENS Industry Software, Chennai

Excellent Place. Campus is very good. Faculty are dedicated.

MR. S.V. SUBRAHMANYA

VP & Research Fellow, Infosys

Very vibrant & resourceful Campus. Energetic students guided by wonderful faculty.

VIJAY G BOPANNA

Head, Director HR
Capgemini BPO, India

I am indeed very impressed by the facilities, the campus and the involvement of the faculty. The infrastructure is far superior to that available in several leading B-schools in the country. MITE is surely poised to reach great heights. I am also very touched by how passionate Mr. Chowta himself is about creating great leaders!

Ms. Sonali Ramaiah,

HR, Boeing India

Excellent Infrastructure facility & state-of-the-art class rooms & Excellent hospitality.

MR. K. ANANTHA GOWDA

Deputy General Manager - HR Personnel & Administration
Larsen & Toubro Ltd., Mysore

Excellent Infrastructure, lush green environs & visionary leadership would propel this Institute to greater heights.

CDR. MANJUNATH

Head C - TEA, L&T, Mysore

“The purpose of **learning** is growth,
and our minds, unlike our bodies, can continue
growing as we continue to live”







Hostel Dining Block



Invent Solutions

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