Brochure for the Academic Year 2018-19

Where Stones turn into Diamonds

MITE

Invent Solutions

Mangalore Institute of Technology & Engineering (MITE)

(An ISO 9001:2015 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
- Machine Design

MANAGEMENT (MBA)

- Marketing
- Finance
- Human Resources Management

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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

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

Mr. 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 Mr. 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 Mr. 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

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

Mrs. Savitha Chouta, a science graduate has been instrumental in the success of IIHT Training Centres established by her husband Mr. 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 programmingfor8086.

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.

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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.

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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 Inter mediate code generation using C, LEX & YACC.

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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.

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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 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.

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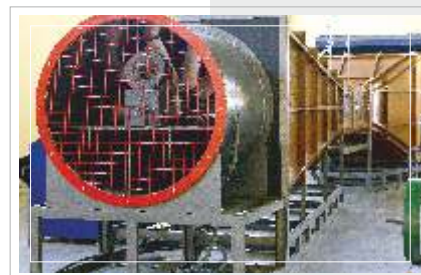
Graduate Programs Offered

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
The lab involves preparation of 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.

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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 PGCET 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.

Job opportunities for the Postgraduates

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

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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 PGCET 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.

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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/GroupI with aggregate not less than 45% in qualifying examination are eligible. The admissions are through central counseling on the basis of merit in PGCET 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.
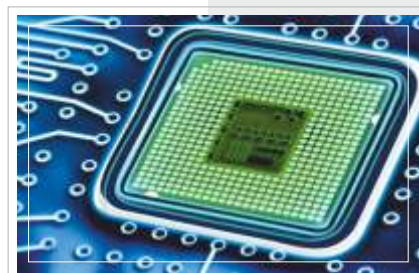
Research Opportunities

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, Infenion, 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 / Tele communication 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 PGCET 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 i n 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.

Job opportunities for the Postgraduates

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

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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 PGCET 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

Job opportunities for the Postgraduates

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

Invent Solutions

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 PGCET 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 for the Postgraduates

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

Invent Solutions

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. MTTE 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. 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.

Invent Solutions

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

9th Rank
Ms. Shwetha Nayak

7th Rank
Ms. Gauthami G

1st Rank
Ms. Asha

2nd Rank
Mr. A P Prajwal Kumar

3rd 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.

Invent Solutions

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 for '**Outstanding contribution in rolling out Soft skills**' Program to the students during 2015.

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.
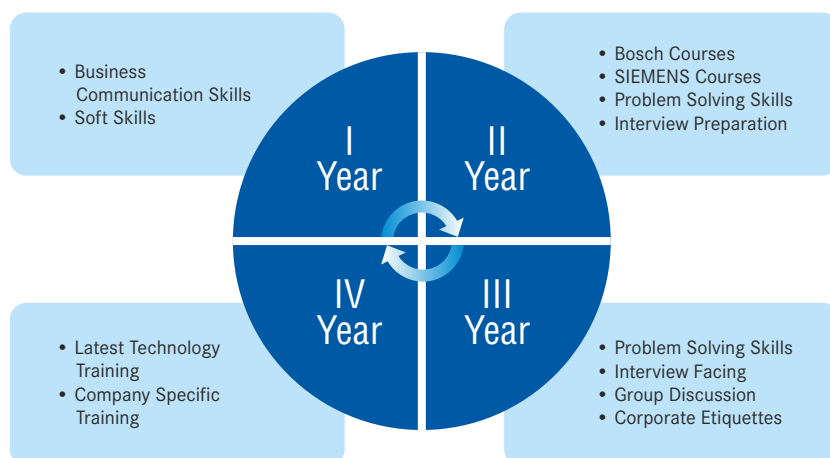
Employability Skills Development Program

Objective

Problem Solving, Business Communication, Personality Development, Bridging the Industry Academia gap, Industry readiness

Excellence is achieved through training & habituation. Training polishes the spirit. The Career Guidance cell of MITE spearheads and conducts numerous programs since the first year which enables our students to excel in recruitment, and be placed in Organizations of repute.

The Career Guidance Cell has been conducting various Programs on Problem Solving, Soft Skills, Technical Refresher courses for all its students as part of ESDP. The objective of ESDP is to shape a student 'Industry Ready' and bridge the gap between classroom teaching and Industry needs. The ESDP sessions are imparted regularly as part of weekly schedule. The Program exposes the students to the various requirements of the 'Interview Preparedness'.

- Business Communication Skills
- Soft Skills

I Year

- Bosch Courses
- SIEMENS Courses
- Problem Solving Skills
- Interview Preparation

II Year

- Latest Technology Training
- Company Specific Training

IV Year

- Problem Solving Skills
- Interview Facing
- Group Discussion
- Corporate Etiquettes

III Year

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. Indeed, 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.
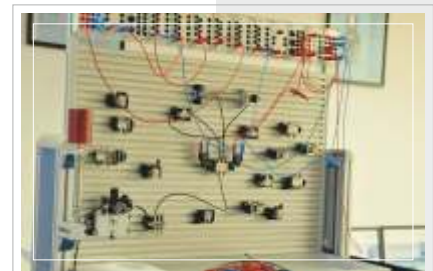
Invent Solutions

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.

Invent solutions

MoU with Carl Zeiss on Industrial Metrology

Principal of MITE Dr G L Easwara Prasad exchanging MoU Documents with Mr. S N Ravikumar, Vice President, Services, Carl Zeiss India

MITE has signed an important MoU with Carl Zeiss India Pvt Ltd. (CZI) towards Skill Development in the area of Industrial Metrology and finding value creating opportunities for Students, teaching faculty and Industry Personnel. CZI is in the business of manufacturing / assembly of eye glass lenses / industrial metrology equipment and dealing, trading, importing, buying, and selling of spectacle lenses, surgical, medical, microscopy, industrial metrology, electronic – microscopic systems, accessories, spares and after sales service of mainly Carl Zeiss and other products. Industrial metrology division caters to design & manufacture of precision metrology equipment in the fields of automotive, machinery, aerospace and allied industries. CZI is a leader in CNC coordinate measuring machines and complete solutions for multi-dimensional metrology in tool rooms and production applications.

Main Objectives of the MoU :

a. To focus on bringing successful opportunities that lead to skill development, training and consultancy in the area of industrial metrology in general and co-ordinate metrology in particular.

b. Allow exchange of students, faculty and industry executives between MITE and CZI to enhance the overall competence in the above fields.

c. Establish a center of excellence in co-ordinate metrology at MITE

Entrepreneurship & Incubation

Education is evolving to new alleyway with changing aspirations of young minds. The rapid shift in temperament towards self-employment is evident. People today are inventing jobs based on their skill sets. Entrepreneurship is the future of the global economy. Current generation want to control their own economic futures, as is reflected in the entrepreneurial spirit worldwide. MITE has realized this shift in notion and emphasized on extending support to entrepreneurs as almost one third of millennial are said to be already aspiring to some form of entrepreneurial venture. The institution strives to identify, nurture and support young entrepreneurs through the Entrepreneur Development Cell. The extensive efforts of the cell have shown results with a large number of Alumni starting their independent ventures. The institution takes pride in the budding entrepreneurs and extends technical, legal and moral support to sustain their initiatives.

MITE has established an incubation center in the campus that provides a conducive environment for the startups to flourish, adjust to the business environment, compete and establish themselves in the league. The incubation centre at MITE helps entrepreneurs with best state of the art Industry setup, mentors and training. The institution encourages students to be part of these ventures which in turn provides the students a real time experience of the industry projects and practices. The emphasis here is not only limited to Tech startup, but the institution also provides avenue for lateral ideas that are worth exploring.

To add on, MITE is one amongst 10 selected colleges by KBITS, Govt of Karnataka for setting up Incubations with a funding of Rs. 1.2 Crores, to be funded for 30 innovative ideas in three years. Also, MSME, Govt of India has selected MITE for an Incubation Program with a funding of Rs. 65 Lakhs for innovative 10 projects. At present, Two Startups Pace Wisdom Solutiosn (PWS) and Karavali Media Pvt. Ltd, are having their Development Centers at MITE Incubation Center.

Invent Solutions

Entrepreneurs from MITE

pacewisdom

TechMarvel

GLOBAL 3D LABS

MINDSTACK

TRIONIX GLOBAL

Unlearning Security

CCC

BLACKFROG

Hebbar's Kitchen
indian veg recipes

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 2017

MITE has been awarded as the '**Best Engineering College of the Year 2017**' under the category '**Industry Engagement**' by Higher Education Review Magazine

Best Management College of the Year 2017

MITE has been awarded as the '**Best Management College of the Year 2017**' under the category '**Entrepreneurial Enhancement**' by Higher Education Review Magazine

AWARDS & ACHIEVEMENTS

Outstanding contribution in rolling out Soft Skills

INFOSYS has recognized MITE for its 'Outstanding contribution on rolling our Soft Skills Program'

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

AWARDS & ACHIEVEMENTS

MITE Students wins 'Platinum Award' at KPIT Sparkle 2017

2018 : Three Student Projects were selected for the Finals of KPIT Sparkle 2018.

2017 : Students of Mechanical Engineering of MITE won the Platinum Award at the Prestigious Annual National Design and Innovation Contest conducted annually by KPIT - KPIT Sparkle. The Team won a cash Prize of Rs. 10 Lakhs for their Project "Frictionless Gear Transmission Using Polymagnets". 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'KPIT Sparkle 2016'. The students were given 'Most Promising Innovators' Award.

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

2018 : Two Student projects of Electronics and Communication Engineering of MITE were selected for the semi Finals at UNISYS Cloud 20/20 Ver 9. 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.

2017 : Students of Electronics and Communication Engineering of MITE won the 2nd Prize at UNISYS Cloud 20/20, Annual National Project Contest . The Team won the 2nd Prize with a Cash Prize of Rs 1.25 Lakhs for their Project "Co-Di-Ra Messenger". The Team was one amongst the 800+ Projects submitted across India.

2016 : Electronics & Communication Engineering Student Project - 'Triplet Li-fi' won the Third Prize with a cash Prize of Rs. 1 Lakh in the prestigious Annual 7th Edition of UNISYS Cloud 20/20. 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 Unisys Cloud 20/20 ver 6. The Project was one amongst All India selected Top 7 Projects for the Finals.

Invent Solutions

AWARDS & ACHIEVEMENTS

MITE E-Kart wins 'BEST DESIGN' Award
at All India Eco-Kart 2017 & Eco-Kart 2018

2018 : MITE Exo-Kart secured 'Best Design' Award at the All India Eco-Kart 2018, held at Gautham Budha University, Noida during March 2018. This was the second successive year to win the Award. The Team stood V overall amongst 35 Teams across the Nation.

2017 : The Eco-Kart designed and developed by the 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'.

MITE Formula Car wins Third in Design
at FMAE Formula Student 2017

2017 : Formula MITE Racing car won the Third position in Design in FMAE Formula Student 2017, held at Kari Motors Speedway Coimbatore, The event was organized by Fraternity of Mechanical and Automotive Engineers (FMAE). The team stood VI in overall event that saw 31 Teams across the nation.

AWARDS & ACHIEVEMENTS

MITE 'All Terrain Vehicle' awarded
'Most Popular Car of the Year' by JK Tyres Motorsport

2018 : MITE ATV secured All India 14th and 3rd Position in Karnataka in the SAE Baja India 2018 competition held at IIT Ropar, Punjab.

2017 : MITE ATV was shortlisted for the Finals of SAE Baja 2017

2016 : '**All Terrain Vehicle**' designed by Students of MITE participated in the SAE India competition and 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 Team stood 7th Rank in the Acceleration event, 8th Rank in the Endurance event, 10th Rank in the Weight pulling event, 15th in the Design Event.

• Overall the Team was Ranked 10th out of final 44 shortlisted Teams and awarded '**Most Popular Car of the year**' by JK Tyres at SAE Baja 2016.

MITE 'Solar Vehicle' car awarded 'My Ride My Glory' award

2018 : 'Solar Car' designed by Students of MITE participated in the Indian Solar Vehicle Championship 2018 at MM Deemed University, Ambala, Haryana during March 2018 and won the; My Ride, My Glory' Award.

Invent solutions

AWARDS & ACHIEVEMENTS

MITE All Girls Go Kart Team wins 'Appreciation Award' at IKR Season 3

2018 : MITE All Girls Go-Kart Team participated in the Indian Karting Race Season 3, conducted by ISIE India, held at Budh International Circuit, Greater Noida during January 2018. The Team was given the 'Appreciation Award'.

MITE wins II position in National Level Drone Tech at IIT Varanasi

2018 : Students of MITE participated in National Level Drone Tech, IIT Varanasi conducted on Feb 2018, and secured II place out of 80 participating teams across India. The Team also participated in RC Plane competition and Secured IV place out of 65 Teams.

2017 : Students of MITE participated in National Level Aero Modeling competition at NIT Warangal, and secured V place among 35 Teams. The team also participated in National Level RC Plane competition held at NMIT Bangalore and secured III Place.

AWARDS & ACHIEVEMENTS

MITE Go Kart Awarded 6th at International Go-Kart Competition

2018 : MITE Go-Kart car secured IV Place in Endurance event in the International Go-Kart Championship at LPU, Jalandhar Punjab during March 2018.

2017 : MITE 'Go-Kart Car' was **Ranked All India 4th Overall** in the International Go-Kart Championship at LPU, Jalandhar Punjab during March 2017. The competition witnessed participation from 170 teams across the globe. Team MITE was the Second 'Runner up' in the Endurance.

2016 : MITE Go-Kart Team also participated in the event in the year 2016 and were ranked All India 6th position. 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

2017 : A record number of 16 Student Projects has been selected and approved for Sponsorship in the KSCST Annual 'Student Project championship 2016'. Karnataka State Council of Science & Technology (KSCST) provides financial and academic support for B.E Projects. This program is a unique experiment in Karnataka and it is also a major innovation and 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 in the Previous years :

2017-18	2016-17	2015-16	2014-15	2013-14	2012-13
11 Projects	**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.

Highest Salary offered :

2016 - 17 : ₹ **12** Lakhs Per Annum in Silver Peak Global

2015 - 16 : ₹ **9** Lakhs per annum in SAP Labs

2014 - 15 : ₹ **11** Lakhs per annum in Radio Holland

Students Placed in 2016-17 : **501**

2015-16 : **443**

2014-15 : **338**

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 envious 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 an excellent environment for me to develop both intellectually and also to foster my skills. With the facilities and opportunities, it has led me to accomplish multiple feats such as conducting workshops as a Google Applied CS facilitator and hackathons as a Hacker Earth Student Ambassador. It has imparted quality education and provided good teacher-student interaction facilities. Most importantly, MITE has led me to a brighter future with a broader sense of knowledge and experience.

Clyde Shelton, 8th CSE
Placed in Servify

Throughout my 4 years of engineering at MITE I had countless opportunities to develop leadership skills and, proactive thinking through various programs; because of which I am improved in many different ways. The best thing about MITE is its infrastructure, apart from that a student friendly faculty. A Big thank you to all my faculty members and the placement department for their support and for this amazing journey at MITE; this would not have been possible without them.

Sushmitha J K, 8th CSE
Placed in Evry India

It's difficult to sum up the memories and experience at MITE in few lines. I consider myself lucky enough for being a part of MITE. There is something special in this environment which made us to study and enjoy at a time. Various events and sessions such as Sentia, workshops etc has boosted my confidence to a great extent. Thank You MITE

Goutham Gowda, 8th Aero
Placed in KPIT

From the day I stepped in MITE, I was in awe of the infrastructure the college had to offer to its students, but more than that what really amazed me was the effort put in by the Placement and Training department to groom its students to be at par with the professional and corporate needs. MITE has achieved excellence in imparting high quality education with prime focus on holistic learning and inculcating competitive abilities in students which has helped me immensely. What amazes me is the plethora of extracurricular activities that MITE offers hence compelling every student to explore and pursue his/her extra talents.

Ashish J Shetty, 8th Mech
Placed in All Cargo Logistics

MITE has always given us the opportunity to turn ourselves into a better person. MITE is a place where individual potential is identified and necessary help is provided so that the potential is channelled into a right path. I can proudly say that I have become a more confident person than I used to be. The ambiance of MITE has always encouraged us to bring out the better version of oneself. This is definitely a place where the dreams come true.

Apoorva S Hudedagaddi, 8th Aero
Placed in SLK Software

MITE offers a blend of learning, amusement and integration of enduring principles. As a Information Science Engineering student, it provided a wide arena of the field and hence I got to learn something new with every subject. A student always finds himself in a pool of never ending opportunities, be it technical or non-technical. Another feather in the cap are the professors that impart quality education to their students. What more should I speak about an institute that shaped and guided a path towards my goal.

Ashish Kumar S, 8th ISE
Placed in ITC Infotech

Shaping my future and providing me the right ambiance; it could possibly be only at MITE. It has helped me showcase my talents and improvise my abilities. I'm lucky to be a part of MITE family and I'm grateful to all my teachers who are the support system. It's a pride to be at MITE.

Deeksha Martina Lasrado, 8th ISE
Placed in Mphasis

MITE has given me an amazing platform for the overall growth and development. The campus has excellent infrastructure and is very beautiful with a perfect blend of nature and student-friendly facilities. When I first started at MITE, I was unsure about my future and anxious about the different challenges I was heading forward to face. But MITE gave me the support and confidence to grow both personally and professionally. MITE gave me an opportunity to enrich my knowledge, to learn and to grow gradually. The faculty members are helpful, open and supportive. It's been a privilege to be a part of MITE.

Rolson Rebello, 8th Mech
Placed in Bosch Automotives

Apart from the lush green campus backed by astonishing infrastructure, studying in MITE was a wonderful experience. There is something motivational and special in this environment which made me study and enjoy co-curricular activities. Different events and sessions arranged have boosted my confidence to a great extent. My sincere gratitude to the faculty, Training and Placement department for their efforts in imparting quality education and turning me into different individual.

Soumya M Rao, 4th MBA
Placed in KPMG

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-techengineering 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

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
Mind Tree

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
EMC

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 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
ITC Infotech

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 ino rder to realise it. A perfect place in all aspects for the next inventor, innovator or Entrepreneur!

Ms. Shrilaxmi S Rao
Infosys

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-teachingstaff has motivated me and boosted confidence in me. A Big Thanks to MITE.

Deeksha Suvarna
KPMG

My Journey of 2 Years in MITE campus were valuable & 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

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 H P
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 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.

Mr. 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 M Vasudev
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.

Mr. 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

Air-conditioned Food Court

Postgraduate and Research Block

Mechanical Block & Bosch Rexroth Drive and Control Academy

Hostel Dining Block

MITE

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