MITE
MANGALORE

NAAC A+ GRADE CGPA: 3.44

Where Stones turn into Diamonds

Invent Solutions

Mangalore Institute of Technology & Engineering (MITE)

(Accredited by NAAC with A+ Grade, NBA Accredited Courses)

(An ISO 9001:2015 Certified Institution)
(A unit of Rajalaxmi Education Trust®, Mangalore)

Affiliated to the Visvesvaraya Technological University (VTU), Belgaum, Karnataka
Recognized 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 emergingtrends 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 molding, 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 green 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)

- Artificial Intelligence and Machine Learning
- Computer Science and Engineering
- Computer Science and Engineering (IoT & Cyber Security with Block Chain Technology)
- Information Science and Engineering
- Computer Science and Engineering (Artificial Intelligence and Machine Learning)
- Electronics and Communication Engineering
- Aeronautical Engineering
- Mechanical Engineering
- Mechatronics Engineering
- Civil 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.

POST GRADUATE COURSES:

ENGINEERING (M.Tech)

- Computer Science and Engineering

MASTER OF COMPUTER APPLICATIONS (MCA)

MANAGEMENT (MBA)

- Marketing
- Finance
- Human Resources Management

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 and stands 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. M S Ganesha 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 develops 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.

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."

CORE VALUES

Passion and commitment: We strive to work with passion and commitment in all our activities towards the ultimate good of the society.

Making a difference: We strive to make a positive difference in the lives of all our students and the future generation by going beyond curriculum and academics.

Family culture: We believe in inculcating and nurturing a 'MITE FAMILY' culture among all the staff, students, alumni and all those who associate with us.

Care for the environment: We strive to work with utmost care for Nature creating a serene and conducive environment for quality education and research.

Graduate Programs Offered

B.E. IN COMPUTER SCIENCE & ENGINEERING

Duration: 4 years

Computer Science & Engineering (CSE) is one of the popular courses among engineering aspirants which focuses on the basic elements of Computer Programming, Analysis of algorithms, Computer Networking and Design of System software. Students pursuing Computer Science courses Design and develop software application for different Industries, manages the software, hardware & networks in any industry. A Computer Science and Engineering graduate have opportunities as Software Developers, Hardware Engineers, System Designer, Networking Engineers, DBA and many more.

The Department of Computer Science and Engineering was established in the year 2007. The NBA accredited department has the best facilities and infrastructure that aids in the overall development of the student. The department has well equipped computing Laboratories, with more than 800 computer systems in the campus, loaded with all requisite software packages and with high bandwidth of Internet Connectivity. The computer labs are also equipped with latest software and software tools to carry out experiments and research. Faculty members provide comprehensive learning emphasizing on the latest technology. The department attracts high quality students from all over India and has an inspiring placement record. Some of our graduates choose to join the best institutions of higher learning around the world.

Labs and Practicals

Programming Lab
Students learn Problem solving skills through various Programming Languages like C, C++, Java, Python

Analog and Digital Electronics Lab/Microprocessors Lab
The elemental principles and components of electronic circuits are introduced to the students in detail. It also provides the foundation for Digital Electronics and Digital System Design and study of basic digital gates, shift registers, counters, logic families.

Data Structure & Algorithms Lab
Implementation of various data structures and various algorithms using different design strategies.

Database Applications Lab
Design of the databases and implementation of the database projects.

Computer Graphics and Lab
Different methods of line drawing, filling algorithms are implemented and also transformations of the objects are implemented in OPEN GL.

Machine Learning Lab
Various methods of machine learning and deep learning methods are implemented in Python.

System Software & Operating Systems Lab
Lexical analyzer generator tools like LEX and parser generator tool like YAAC are learned and also different operating system functions are implemented in this lab.

Web Programming Laboratory
Designing of web pages designing using PHP, JAVA script, HTML and CSS.

Network Lab
Simulation of various Net work features using NS2.

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. Information Science and Engineering is an Under Graduate course which focuses on Computer Programming, Analysis of Algorithms, Computer Networking, Design of Software Systems. 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, system software, Networking, programming languages, Data Structures, Design and analysis of algorithms, Database Management System (DBMS), Software Testing. Due to the impact of Big Data, Internet of Things (IoT), Artificial Intelligence (AI) and machine learning (ML) technologies there is huge demand on Information Science Engineering graduates, majorly in the role of System Designer, Software Developer, Networking Engineers, DBA, Data Analyst, Data Scientist, Cyber Security and Block Chain Expert. Information systems security engineers.

The Department of Information Science and Engineering was established in the year 2007. The department has the best facilities and infrastructure that aids in the overall development of the student. The department has well equipped computing Laboratories, with more than 800 computer systems in the campus, loaded with all requisite software packages and with high bandwidth of Internet Connectivity. The computer labs are also equipped with latest software and software tools to carry out experiments and research. Faculty members provide comprehensive learning emphasizing on the latest technology. The department attracts high quality students from all over India and has an inspiring placement record. Some of graduates choose to join the best institutions of higher learning around the world.

Labs and Practicals

Programming Lab
Students learn Problem solving skills through various Programming Languages like C, C++, Java, Python

Analog and Digital Electronics Lab/ Microprocessors Lab
The elemental principles and components of electronic circuits are introduced to the students in detail. It also provides the foundation for Digital Electronics and Digital System Design.

Data Structure & Algorithms Lab
Implementation of various data structures and various algorithms using different design techniques.

System Software & Operating Systems Lab
Lexical analyzer generator tools and parser generator tool are learned and also different operating system functions are implemented.

Database Applications Lab
Design of the databases and implementation of the database

Machine Learning Lab
Various methods of machine learning and deep learning methods are implemented in Python.

Web Programming Laboratory
Designing of web pages designing using PHP, JAVA script, HTML and CSS.

Network Lab
Simulation of various Network features using NS21

B.E in CSE (Artificial Intelligence & Machine Learning)

Duration: 4 years

Artificial intelligence (AI) is a wide-ranging branch of computer science concerned with building smart machines capable of performing tasks that typically require human intelligence. AI is the science and engineering of making intelligent machines, especially intelligent computer programs. Knowledge Engineering is an essential part of AI research. Machines and programs need to have bountiful information related to the world to often act and react like human beings. AI initiates common sense, problem-solving and analytical reasoning power in machines, which is much difficult and a tedious job.AI and Machine Learning (ML) are the part of computer science that are correlated with each other. These two technologies are the most trending technologies which are used for creating intelligent systems. ML is a subfield of artificial intelligence, which enables machines to learn from past data or experiences without being explicitly programmed.

The major focus of the programme is to equip the students who wish to acquire the ability to design intelligent solutions to real-time problems. This programme discusses artificial intelligence methods based on different fields like neural networks, signal processing and data mining, etc.

Program Overview

The program begins with introductory courses in programming, computer science, mathematics, and statistics that provide a firm technical foundation. From there, learn core AI concepts and techniques including AI & ML Techniques, Virtual Reality, Web Applications using Machine Learning Techniques, Natural Language and Image Processing, Robotic Process Automation, Business Analytics, Speech Processing, Cognitive systems, Biometrics Systems, computer vision, and language understanding. The program includes a variety of advanced AI electives, enabling technical mastery in specific subfields. Also, specific electives are introduced that will focus on the Application of AI in various industry.

Labs and Practicals

- Data Structures Lab, Algorithms Lab
- AI and Machine Learning Lab
- Web Applications Lab
- Mobile Application Development & Robotics Lab
- Internet of Things Lab

Career Opportunities

Graduates of the program will be well prepared to work across many sectors, including medicine, finance, robotics, and business intelligence Additionally, you will have a strong technical foundation to pursue graduate work in computer science or AI.

- Software developer
- Artificial intelligence engineer
- Data scientist

B.E IN ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

Duration: 4 years

Artificial intelligence (AI) is wide-ranging branch of computer science concerned with building smart machines capable of performing tasks that typically require human intelligence. The field of artificial intelligence has been an interdisciplinary endeavor, requiring deep knowledge of both computational and human sciences. Machine learning is an application of artificial intelligence (AI) that provides systems the ability to automatically learn and improve from experience without being explicitly programmed. Machine learning focuses on the development of computer programs that can access data and use it learn for themselves.

Advancements in machine learning and deep learning are creating a paradigm shift in virtually every sector of the tech industry. Moreover, the growing impact of AI on society demands that graduates are capable and ethical collaborators, able to ensure the safe and effective adoption of new technologies across domains.

Program Overview

The program begins with introductory courses in programming, computer science, mathematics, and statistics that provide a firm technical foundation. From there, learn core AI concepts and techniques including AI & ML Techniques, Virtual Reality, Web Applications using Machine Learning Techniques, Natural Language and Image Processing, Robotic Process Automation, Business Analytics, Speech Processing, Cognitive systems, Biometrics Systems, computer vision, and language understanding. The program includes a variety of advanced AI electives, enabling technical mastery in specific subfields. Also, specific electives are introduced that will focus on the Application of AI in various industry.

Labs and Practicals

- Data Structures Lab, Algorithms Lab
- Micro-controller and Embedded Systems Lab
- AI and Machine Learning Lab
- Web Applications Lab
- Natural Language and Image Processing Lab
- Mobile Application Development & Robotics Lab
- Internet of Things Lab

Career Opportunities

Graduates of the program will be well prepared to work across many sectors, including medicine, finance, robotics, and business intelligence Additionally, you will have a strong technical foundation to pursue graduate work in computer science or AI.

- Software developer
- Artificial intelligence engineer
- Data scientist

B.E in CSE (IoT & CYBER SECURITY WITH BLOCK CHAIN TECHNOLOGY)

Duration: 4 years

IoT & Cyber Security with Block Chain Technology is a specialized field of Information Technology (IT) which is regarded as a sub-stream in Computer Science and Engineering. The Internet of things (IoT) is not separate from the Internet, but an expansion of it - a way of intelligently fusing the real and cyber worlds. By 2050, there will be 24 billion interconnected devices, which means almost every object around us: streetlights, electric meters, health care devices, water pumps, cars, elevators, even gym vests will be interconnected. These IoT-enabled devices contain sensors that constantly collect and react to data, and this vast level of data can be used to unlock new levels of intelligence.

Whether it is a health monitoring system or a remote-controlled home appliance, IoT equipment provides comfort and convenience. However, as more IoT devices are connected to the Internet, the probability of these devices being attacked is increasing. Without adequate security, leakage of user privacy data and unnecessary damages are likely.

The practice of securing systems, networks, and programs from digital threats is known as cybersecurity.A successful cyber-attack can be the downfall of any well-positioned business. Data breaches not only cause significant financial losses but are also the leading cause of a bad reputation for victim companies.Blockchain started as the technology behind cryptocurrency but has popularly grown into a promising mitigation technology for cybersecurity.

Program Overview

In this program, the students will learn about two emerging technologies, the Internet of Things (IoT) and blockchain, along with the security aspects involved in it. The curriculum of this program is designed in such a way along with IoT and Cyber Security that students are also exposed to the Cryptographic process used in Blockchain, Cloud Security, knowledge of Distributed Systems, trust-based computing, Bitcoin and Cryptocurrencies, Smart Contracts and Applications, and have an understanding and working knowledge of the emerging IoT and blockchain technology.

Labs and Practicals

- Data Structures Lab, Algorithms Lab
- Micro-controller and Embedded Systems Lab
- Digital Electronics Lab
- Internet of Things Lab
- Sensors & Networking Lab
- Blockchain Lab

Graduate Programs Offered

B.E. IN ELECTRONICS & COMMUNICATION ENGINEERING

Duration: 4 years

Electronics & Communication Engineering deals with the electronic devices, circuits, communication equipments like transmitter, receiver, integrated circuits (IC). It also deals with basic electronics, analog and digital transmission & reception of data, voice and video (Example AM, FM, DTH), microprocessors, satellite communication, microwave engineering, antenna and wave propagation. It aims to deepen the knowledge and skills of the students on the basic concepts and theories that will equip them in their professional work involving analysis, systems implementation, operation, production, and maintenance of the various applications in the field of Electronics and Communications Engineering.
Electronics and Communication Engineering opens up great career prospects for the students. The students after completion of the degree can easily avail job opportunities in manufacturing industries and service organizations such as broadcasting, consulting, data communication, entertainment, research and development; and system support. The candidates can also work in modern multimedia service firms that are involved in real-time transfer of information through video conferencing and internet broadcasting.

The Department of Electronics and Communication Engineering was setup during the inception of the college in 2007 and has presently an intake of 120.

Labs and Practicals

Analog & Digital Electronics Labs

These laboratories will enable the students to get the practical exposure on Analog and Digital Electronic circuits and their applications.

Microprocessor and Embedded Controller Labs

Develop and test the assembly language programs using the instructions of 8086, interfacing of various peripheral devices with 8086 microprocessor for simple applications, program ARM Cortex M3 using the various instructions in assembly level language for different applications.

Linear Integrated Circuits & Communication Labs

Design, demonstrate and analyze the various Analog and Digital Communication techniques and their applications.

DSP Lab

Simulate and implement the DSP computations on DSP hardware and verify the result.

HDL & VLSI Lab

Familiarization of CAD tool to write HDL programs, interface hardware to programmable ICs through I/O ports, design and simulate the various basic CMOS analog circuits and use them in higher circuits like data converters, adders and shift registers using design abstraction concepts.

Computer Network Lab

Simulate the networking concepts and protocols using C/C++ programming and model the networks for different configurations and analyze the results.

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 is 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

Material Testing Lab

Experiments involving conduction of different mechanical properties of the material.

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
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 Lab
Experiments involving evaluation of Fuel properties and Performance evaluation of Petrol and Diesel engines.

Computer Aided Modelling and Analysis Lab
Finite element analysis of various structural components like bars, beams, trusses and dynamic analysis of 2D elements.

Heat Transfer Lab
Experiments involving evaluation of thermal conductivity, Heat transfer coefficient, COP of the Refrigerator, performance of Air conditioner and Analysis of heat exchanger.

Computer Integrated Manufacturing Lab
Computer integrated simulation of the components using the process of turning, milling and drilling.

Design Lab
Experiments on balancing of rotating masses, vibration analysis, governors, gyroscope, pressure distribution in journal bearings, strain gauge rosette, curved beam.

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

Machine Shop and Material testing lab
Exercises involving different operations on different machines viz., Drilling, turning, Knurling, facing etc. on lathes and drilling and boring by using drilling machine The experiments also includes study on metallurgy & material science, behavior of materials under different type of loading conditions.

Fluid Mechanics, Machine and Pneumatic Lab
Experiments on Fluid flow and experiments involving viz., Fluid Machines, Pelton turbine, Kaplan turbine. Also experiments about the fluid flow control in hydraulic and Pneumatic.

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.

Virtual Instrumentation Lab
This lab deals with the study of graphical programming in virtual instrumentation using Lab VIEW software. The various functions like mathematics, signal processing and control and simulation is executed.

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.

Microcontroller and PLC and SCADA lab
The concept of programming and interfacing techniques of microcontrollers specifically 8051 series are studied. PLC lab involves the study of ladder design using PLC.

Signal Processing Lab
This lab deals with various signals, mathematical operation on different signals and convolution of signals using MATLAB programming and digital signal processor.

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 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.

Postgraduate Programs Offered

M.B.A (Dual Specialization)

Duration: 2 years

Master of Business Administration (MBA) trains a student to manage a business efficiently; both as an entrepreneur and as a professional. The course consists of extensive training in the areas of Marketing, Finance, Human Resources, Quantitative Techniques and Strategic Management. In fact, MBA education helps not only in managing businesses but also trains one in managing any situation.

Why MBA @ MITE ?

Management education at MITE is very unique in the sense that the Institute believes in "teaching management" and not just teaching "about management". Learning management in its true sense is achieved by taking the students through certain necessary experiences during their two-year duration at the campus. A set of highly educated, experienced and accomplished faculty with decades of international experience provide rich learning experiences with individual attention given to students. Excellent infrastructure, opportunities for curricular and co-curricular activities, support to project work and other management activities including social commitment contributes to shaping up of effective management competencies in them. Participation and involvement in annual conferences and fests will help students to sharpen their management skills. Institute's unique program "ESDP" helps the future managers to develop soft skills required to excel in today's corporate world.

Dual Specialization offered

The MBA Program offered is a two year, full time Management program consisting of Four semesters. The Department offers opportunities to students to get Dual specialization in the following areas:

- Marketing
- Finance
- Human Resources

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

- Air conditioned class rooms
- 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
- Innovation and Incubation Centres of Industry Standards

M.B.A @ MITE

Career Guidance and Value Addition

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

Faculty Advisor

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.

Results

Proof of the pudding is in the end result. Institute's concentrated multi-prongedstrategy to shape students' managerial skills and competencies has resulted in excellent results year after year. Excellent infrastructure, International exposure, highly qualified faculty members, realistic teaching by top managers from the industry, close and personal mentoring and total focus on the development of managerial personality among students are some of the key elements of this success story. MITE has been producing consistently excellent results over the years, right from the beginning, which is one of the best in the University.

Learn from Industrial Leaders

MITE believes in learning not only from class room sessions but also from the Industry veterans. MITE conducts various programs throughout the year where experts from the industry visit and speak to the students. Rich and real life experiences that they bring with them help the students understand the practical world outside and accordingly mould their thinking and shape their personality. Every Saturday is the day for an industry expert to visit and share experiences. The institute also conducts various other programs viz., Conferences, Workshops to provide students the Real time knowledge.

MoU with MDIS - SINGAPORE

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.

Ms. Deeksha of MBA secured the Rank in the VTU MBA Examination in 2012-13

Ms. Deeksha 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 MBA under VTU.

Postgraduate Programs Offered

MASTER OF COMPUTER APPLICATIONS (MCA)

Duration: 2 years

Master of Computer Applications (MCA) is a Two Year Post Graduate Program aimed at providing modern, industry-oriented education in applied computer science. The Course has a blend of Computer Science, Computer Engineering, Computer Technology, and Management oriented subjects with special focus on design and innovation based mini-projects. The Program focuses on providing software skills and strengthens the computer application aspect of students. MCA courses are more focused on implementation of Programming Languages, IT Skills and concepts. The emphasis is on providing industrial training/ internship and projects towards preparing the students for the industry requirements and corporate IT Sector. It aims at producing trained professionals who can successfully meet the demands of the information technology industry.

Eligibility :

Passed BCA/ Bachelor Degree in Computer Science Engineering or equivalent Degree

OR

Passed B.Sc/ B.Com./ B.A. with Mathematics at 10+2 level or at Graduation Level (with additional bridge Courses as per the norms of the concerned University) Obtained at lease 50% marks (45% marks in case of candidates belonging to reserved category) in the qualifying Examination.

For admissions under PGCET qualification and Roaster system of Government of Karnataka:

There shall be an Entrance Examination (PGCET) for admission to the MCA Programmer. A Candidate seeking admission to MCA Programme shall appear for this examination. For admission under Government quota, ranks obtained in PGCET entrance exam, conducted by Karnataka Examination Authority (KEA) shall be considered.

For admission under Management Quota:

The candidates should have appeared for the Entrance Examination conducted by KEA (PGCET)/ Karnataka Management Aptitude Test (KMAT) or appeared and qualified under any approved entrance Examination conducted by the authority recognized by Government of Karnataka/ VTU.

Career Opportunities

Graduates of the program will be well prepared to work in IT Organization in multiple roles as:

- Software developer
- Artificial intelligence engineer
- Data scientist

UNIVERSITY RANKS

MITE has been consistently securing University ranks every year, thus demonstrating highest academic excellence.

2020 - 21 Five Students of B.E Secured Ranks in VTU Examination

2ND Rank

Mr Sabith A Manegar
B.E. Mechatronics Engg.

6th Rank

Mr Yajnesha G
B.E. Aeronautical Engg.

10th Rank

Ms Abigal S Mathias
B.E. Computer Sc & Engg.

3rd Rank

Mr N Suraj
B.E. Mechatronics Engg.

6th Rank

Mr Varun S L
B.E. Mechatronics Engg.

2019 - 20 Six Students of B.E Secured Ranks in VTU Examination

1st Rank with Gold Medal

Mubashir P
Mechatroinics Engg.

2nd Rank

Sanketh S.
Mechatronics Engg.

4th Rank

Clavin Sequeira
Aeronautical Engg.

6th Rank

Ganesh Kumar
Mechatronics Engg.

8th Rank

Rashmi
Information Science Engg.

9th Rank

Vishal Kenny
Mechanical Engg.

2018 - 19 Seven Students of B.E Secured Ranks in VTU Examination

1st Rank

Sanmati S Patil
Mechanical Engg.

Ms. Sanmathi S Patil secured **1st Rank** in Mechanical Engineering and was awarded Eleven Gold Medals.
She also secured Highest Marks among all Rank Holders in any Branch of Engineering.

- VTU Gold Medal & HIT Nidasoshi Medal, SKAM Gold Medal, Sri Leo Muthu Gold Medal, Jyothi Gold Medal, Murthy's Medal of Excellence for securing First Rank in B.E Mechanical Engineering
- Gold Medal for Girl student securing highest marks in aggregate in Mechanical Engineering Stream.
- Jain University Gold Medal for securing Highest Marks in Mechanical Engineering
- Squadron Leader SS Chaitanya Memorial Gold Medal for securing highest marks among all the rank holders in any branch of B.E
- Late Sri CSB Gold Medal & Suthur Mutt Gold Medal for securing highest marks in any branch of B.E Programs

2nd Rank

Mamatha C
Mechatronics Engg

2nd Rank

Vishnu Chandroth
Aeronautical Engg

3rd Rank

Sharanya Aravind B
Mechatronics Engg

4th Rank

Sagar Padival K
Civil Engg

8th Rank

Stalin Bangera
Mechatronics Engg

10th Rank

Shwetha S
Aeronautical Engg

2017 - 18 Four Students of B.E. Secured Ranks in VTU Examination

2nd Rank

Anna Rose Johny
B.E. Mechatronics

2nd Rank

Priyanka
B.E. Aeronautical

8th Rank

Sarthak Vasanth
B.E. Mechatronics

10th Rank

Dinakar
B.E. Aeronautical

MITE SECURED FIVE RANKS IN THE UNIVERSITY EXAMS

MITE SECURED THREE RANKS IN THE UNIVERSITY EXAMS

INDUSTRY - INSTITUTE RELATIONS

Rexroth
Bosch Group

REGIONAL CENTER FOR COMPETENCY IN AUTOMATION TECHNOLOGIES

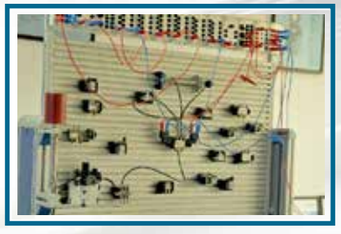
Initiatives to bring Industry and Engineering Institutions closer have been very strong in BOSCH and as a part of this, BOSCH has been setting up Centres for Competency in different parts of the world. The need for bringing Educational Institutions and Industry closer has been a constantly debated and 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 few 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 has undoubtedly been 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.

The Training Offered at Bosch Rexroth CoC :

- Hydraulics & Pneumatics
- Programmable Logic Controllers
- Mechatronics
- Servo Drives
- CNC



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.

MoU with TOYOTA TIEI India

Toyota Industries Engine India Private Limited

Mangalore Institute of Technology and Engineering (MITE) Moodabidri today announced the signing off an agreement with Toyota Industries Engine India Private Limited (TIEI), a pioneer in the business of manufacturing automobile engines and auto transmission parts. This Memorandum of Understanding (MoU) has been arrived at skill development in the area of Engine manufacturing and finding value creating opportunities for Students, teaching faculty and industry personnel. The main objective of this collaboration is to focus on bringing successful opportunities that lead to skill development, training and consultancy in the area of Engine Manufacturing. The MoU also allows the exchange of Students, faculty and Industry executives between MITE and TIEI to enhance the overall competence in the above fields

The MoU will facilitate internship and plant visit for Students and Faculty members of MITE, to get the real time exposure of the Industry. TIEI will depute experts to deliver lectures and conduct workshops at MITE as part of deepening Industry and Academia relationship and exchange latest trends in Engine technology. The MoU will also focus on identifying best minds with innovative ideas who can be groomed by Mentors from TIEI. MITE will be conducting Hackathons and students with entrepreneurial ideas will be trained by Industry experts from Toyota. The MoU will also allow selected Students from MBA to attend the 'Finishing School for MBA' at TIEI Campus, so that the students can learn Practical Knowledge by interacting, observing and involving in the tasks assigned by Industry Mentors.

About TIEI:

Toyota Industries Engine India is the core part of Toyota Industries Corporation, Japan. Having global presence with business interest in the areas of Material Handling Equipment, Electronics, Compressor, Textile Machinery and Engines. TIEI is engaged in manufacturing the heart of automobiles - the Engine. TIEI has been involved in the manufacture of critical transmission parts for the Toyota Group, since the year 2004. TIEI started the new Engine business in March 2016. This state of the art facility is the first Diesel engine plant of Toyota in India and third globally, after Japan & Thailand. Spread across 22 acres, the engine manufacturing plant operates with a production capacity of 108000 units/ year.

MoU with Automotive Leader KPIT

For the Program for Academic Collaboration and Engagement (PACE)

Mangalore Institute of Technology and Engineering has entered into a Memorandum of Understanding (MoU) with the Leader of Automotive Domain, Indian based Multinational corporation KPIT Technologies Ltd. As per the MoU, Final Year Engineering Students of Electronics & Communication Engineering, Mechanical Engineering will have Four months of practical Industry training at KPIT Campus on Automotive, Electronics Design and Development. Post the training, the students will not just be certified by KPIT, but excelling students would be offered core engineering job opportunities. Also, as part of the MoU MITE Faculty will be trained on niche and latest technologies at KPIT Campus by Domain experts, to enable practical oriented education to the students.

KPIT Technologies Limited (formerly KPIT Cummins Infosystems Ltd) is an Indian multinational corporation headquartered in Pune, India. Popularly known as KPIT, with an employee strength of 12,000. KPIT provides IT Consulting and Product Engineering solutions and services to Automotive and Transportation, Consumer and Industrial Goods, Energy and Resources, Utilities, High Tech, and Life Sciences companies. In automotive domain, the organization has created well known solutions including REVOLO and India's first ARAI-certified intelligent transportation system - On-bus ITS.

MITE in the elite 20 select Partner College

KPIT, every year conducts Annual National Design and Project competition 'SPARKLE' for the Engineering College Students, in which has teams of IIT's, NIT's and prestigious institutions participate to exhibit their innovative projects. Students design and develop innovative solutions on the problems based on the specified themes by KPIT. The shortlisted students will exhibit their projects at the annual meet to the Panelists, who are Domain experts picked from across the Globe.

Student Teams from MITE were successively shortlisted for the final rounds in all the previous years. In 2017, A Project Team won the Platinum Award with the cash prize of INR 10 Lakhs for the best project. Considering this consistent performance from the students, KPIT has selected MITE as one of the Partner college: One amongst the only 20 Colleges across the country selected as Partner college by KPIT.

KPIT's Program for Academic Collaboration and Engagement (PACE) is a flagship program to bring in collaboration between Indian Technological Institutions/ Universities and KPIT Technologies Ltd. The Program is beneficial for all the stake holders namely Students, University / Institution faculty members and the Company. The eagerness to work with KPIT, ability to make changes in the curriculum and Pedagogy methodologies in line with industry needs and more importantly strong Leadership promoted establishing this link.

MoU with UiPath - Global Automation Company to expand Automation Talent Pool in India

MITE has signed an Agreement with UiPath, the global software company that develops a platform for Robotic Process Automation (RPA). The agreement under UiPath Academic Alliance program will help MITE ramp up educators with skills of the future and also offer courses related to Robotic Process Automation (RPA) to its students. MITE will receive curriculum, course content, learning materials, regular educator trainings and software tools, to provide training to their students. Further with the MoU with UiPath, MITE will be able to leverage the competency of Students in the Artificial Intelligence & Automation Domain at par with the Industry requirements.

Fourth Industrial revolution is disrupting and reshaping every industry. Technologies like Artificial Intelligence and Automation are driving productivity and redefining future of work. RPA is playing an instrumental role in helping humans automate mundane tasks and free up time for higher – level works. RPA is also anticipated to create new jobs requiring higher level cognitive thinking and creativity.

About UiPath

UiPath is leading the "Automation First" era – championing one robot for every person, delivering free and open training and collaboration and enabling robots to learn new skills through AI and Machine Learning. Led by a commitment to bring digital era skills to more than a million people, the company's enterprise Robotic Process Automation (RPA) platform has already automated millions of repetitive, mind-numbing tasks for business and government organizations all over the world, improving productivity, customer experience and employee job satisfaction.

MITE Signs MoU with National Highway Authority of India (NHAI)

MITE has signed a Memorandum of Understanding (MoU) with the National Highway Authority of India (NHAI) on 26th August 2020. With this agreement, NHAI will provide the list of potential National Highway stretches to the Civil Engineering Department at MITE which would facilitate the implementation of the project by providing relevant data through field office/ consultant/ concessionaire/contractor in the project and would also have an officer as a point of contact. As a part of road infrastructure in country, NHAI is providing an opportunity to Faculty, Researchers and Engineering students to improve existing NH roads nearing to our institute (NH-169) by conducting periodic detailed investigations, suggestions and feedbacks by preparing detailed reports on NH roads. In order to bridge the gap between Industry and Institute. MITE will provide consultancy services during conceptualization, design and project preparation stages and also can suggest innovative technologies based upon site, topography for better socioeconomic outcomes.

MoU with Carl ZEISS on Industrial Metrology

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

Infosys Campus Connect Program

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.

MITE - SPG Center of Excellence of Japanese Language & Culture

A Center of Excellence of Japanese Language & Culture is setup at MITE association with Silverpeak Global Ltd (SPG) on January 2020. The center is a first of its kind established in the country by Silverpeak Global, and would provide an integrated course schedule of learning Japanese language & Japanese culture by experts from SPG. The Center of Excellence intends to train students to achieve linguistic competence and proficiency to clear JLPT **N5, N4 and N3** while they graduate and thus start their Career At Japan at prestigious companies.

This is yet another feather to the cap adorned by MITE and would open huge avenues for students, add diversity and would enable students to appreciate diverse languages and cultures. The Center would not just be limited to language training but would act as a catalyst to connect the best graduates from this region to Japan and will open doorways for mutual understanding and investments. The CoE would add immensely to competence building and hence will aid the students to become global citizens and create alleyway of opportunities.

The training:

The intensive Japanese Language Proficiency Training Program would be conducted by Expert Japanese Language Trainers under the guidance of Mrs. Radhika Shreeraman Head - Japanese Language, SPG who has over 20+ years of expertise in Japanese Language Training. AThe special training module would have classroom training, activities, online training, regular evaluation and one-to-one counseling. 50+ Students of MITE are placed in Japanese Companies in the last 4 Years by undergoing Japanese Language Courses. Additionally, many Students have received premium Recruitment offers at Indian companies also on the basis of the Japanese Language Certifications. The Students will be Trained on Nihongo N5 Level in their I Year, followed by Nihongo N4 Level in their II Year. An optional N3 Level is offered to the Students in their III Year.

GLOBAL UNIVERSITY TIE-UP

MoA with Binghamton University, New York, USA

MITE signed an important Memorandum of Agreement (MoA) with Binghamton University, State University of New York. Binghamton. International exposure not only equips students with the access to the best practices around the globe but also enables them to perceive and persevere, to articulate and collaborate, appreciate cultural differences, comprehend and grow oneself truly beyond the contemporary engineering education. Ascertaining the fact that comprehensive alliance are inevitable to flourish, our institution has continually been striving to affiliate with the best universities around the world. Exposure, interaction, and collaboration with people from diverse backgrounds empower students to accommodate and appreciate the difference and coexist in complex organizations.

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. Every year, a certification Program on 'Lean six Sigma- Yellow Belt & Green Belt' is conducted for the Students of Mechanical Engineering, Mechatronics Engineering and Aeronautical Engineering. Also, another Certification Program on 'Data Mining & Data Analytics' is conducted for the Students of IT Branches' by Binghamton University. 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 are mentored by Professors as Project Guides.

MoU with Kumamoto University, Japan

MITE has signed an MoU with Graduate School of Science and Technology, and Faculty of Advanced Science and Technology, Kumamoto University, Japan for the academic exchange program. The MoU was signed by Mr. Rajesh Chouta, Chairman RET and Prof. Tsuyoshi Usagawa and Fusao Ichikawa, Deans of Faculty of Engineering from Kumamoto University. The tie-up has the student as well as faculty exchange academic excellence research collaboration. With this MoU, the institution looks forward to greater collaborations in research and develop solutions to engineering and Society problems.

MDIS Singapore

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

MITE also has a MoU with ITE West Singapore. Two batches of students visit MITE every year and undergo courses in the stream of Electronics and Computer Science Engineering respectively

ITE - WEST Singapore

MITE has an MoU with ITE West Singapore since 2010, for student exchange program. In addition to the Knowledge and Technology competence sharing, the other main objective of this program is cultural exchange. ITE West is home to 7,800 students and 710 staff. It offers 42 courses under the Schools of Business & Services, Electronics & Info-Comm Technology, Engineering and Hospitality. As per the MoU, Students from ITE-West visit MITE Campus every year for Two weeks and undergo one academic credit Course. The electronics stream students undergo a course on Microcontrollers & Bosch certified PLC course. Similarly, the Computer Science stream students undergo the Web Technologies & Development course.

AWARDS AND ACHIEVEMENTS

MITE is awarded the 'Best Performing College of the Year' at KSCST State Level Annual Student Project Program 2020

Also, Four Projects awarded 'Best Project of the year 2020'

The 'Best Performing College of the Year 2020' of the 43rd series of the Student Project Program of Karnataka State Council for Science and Technology (KSCST) was bestowed to MITE on September 20, 2020. The event is supported by the Department of Science & Technology of State Government through KSCST.

Karnataka State Council for Science and Technology
Indian Institute of Science Campus, Bengaluru - 560 012

Certificate of Recognition

This certificate of recognition is awarded to
Mangalore Institute of Technology and Engineering, Moodabidre
in recognition of "Best Performing College" under 43rd series of Student Project Programme (2019-20) announced on 21st September 2020 during the concluding web event.
This programme is supported by Department of Science and Technology, Government of Karnataka & Department of Science and Technology, Government of India.

Prof. Ashok M. Raichur
Secretary, KSCST and
Professor, Department of Materials Engineering, IISc

2020-21 : One Project of Dept of Mechatronics Engineering were adjudged as 'Best Project of the Year'.

2019-20 : Four Student Projects of MITE from the Department of Computer Sc & Engineering, Electronics & Communication Engg, Aeronautical Engineering, and Mechanical Engg Departments were selected as the Best Project of the Year.

2018-19 : Two Projects of Dept of Mechanical Engineering, and Dept of Mechatronics Engineering were adjudged as 'Best Project of the Year.

2017-18 : One Student Project of Department of Mechanical Engineering of MITE was adjudged as 'Best Project of the Year.

MITE bags max. no. of Student Project Sponsorship (SPP)

MITE continued to prove its excellence in the Technical talents of its students in receiving the sponsorship from KSCST. Maximum Student Projects of MITE has been selected for Sponsorship by KSCST SPP every year.

No. of Projects selected for Sponsorship in the Previous years:

2021-22	2020-21	2019-20	2018-19	2017-18
24 Projects	26 Projects	24 Projects	28 Projects	11 Projects

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

MITE Students wins TIBCO Global Hackathon

Electronics & Commn Engg Students secures First Prize with USD 10,000 Prize for their project - AI Based Crop Management System

A Student Team of Electronics & Communication Engineering of Mangalore Institute of Technology & Engineering (MITE), won the **First Prize** in the 'Global TIBCO Labs IoT and Sustainability Hackathon' organized by TIBCO Labs with a **Cash Prize of US $10,000.** The Final Year Student Team of Electronics & Communication comprising of Mr. Mohamed Fazil, Mr. Nagesha, Ms. Ashritha C, Mr. Rohan S, mentored by Mr. Ramalingam H M, Senior Assistant Professor won the prize for their Idea submitted on "AI Based Crop Management System" under the theme "Hack for Food Production" to provide the solution for smart farming. The Global Hackathon conducted between November 15th to February 7th 2022 focused on proposing projects that address one or more environmental challenges we face across the globe today, from enhancing energy efficiency and reducing global emissions to making cities "smarter," the Internet of Things (IoT) and sustainability. The Participants were required to propose innovative solutions on any one of the theme - Smart Energy, Smart Water, Food Production, Pollution, Transportation. The hackathon had a **total of 1641 teams participating** with unique ideas proposed on the various themes.

Dacklen from Aeronautical Engineering is the Global Winner of International Japanese Speech contest

The 10th Kake International Japanese Online Speech Contest witnessed Mr. Wag DISsuiza, Agsagatial Engineer of MITE crowned the global winner on the 26th of February 2021. The event was jointly organized by Kake Educational Institution, Japan and was supported by the Ministry of Education, Culture, Sports, Science and Technology, Government of Japan and the Embassy of Japan in India. The pagig§go of the event "Kake Educational Institution" has campuses across Japan.

The international event had 87 entries from India along with participants from The United States, South Korea, Vietnam, China, Pakistan, Bangladesh, Sri Lanka and Vietnam. Ten top selects from across the world Competed For the final Speech Contest And Japanese Proficiency Under The Theme Of "What We Can Do Now-Overcoming Difficulties" Against The Spread Qf The New Coronavirus". Mr. Putt= represented India in the finale after he was selected the regional winner after two fiercely competitive rounds at the nationals.

MITE secures All India Third Position in Guvi's RPA-SKILL-A-THON conducted by UiPath

MITE Recognized as Top performing partner Institution in the All India #RPAChamp 2019.

MITE is recognized as Top Performing Academic Partner Institution in the All India RPA SKILL-A-THON 2020 conducted by GUVI & UiPath. A total of 2612 participants from MITE got certified on RPA awareness, and stood All India 3rd in overall Institute Ranking. Also, MITE was the Top performing Academic Partner Institution in the first UiPath Academic challenge 2019. The event saw 20,000+ students across India, explore the power of UiPath Robot's simplifying daily tasks. This challenge lays a strong foundation to drive UiPath's vision of a Robot for every student in the coming months.

MITE secures First Prize in VTU TEQIP State Level Project Competition – Avishkar 2020.

Students of MITE secured the First Prize in the State Level Project Competition AVISHKAR 2020, conducted by the TEQIP Cell of Visvesvaraya Technological University, Belagavi. The Project 'Medical Emergency Drone', showcased by Students of MITE won the prestigious award out of a total of 350 Teams that participated in the competition. The prototype developed by the interdisciplinary team had Mr. Lanston Pramith Fernandes and Mr. Darren Melroy Menezes of Mechanical Engg, Ms. Rashmitha of Information Sc & Engg and Ms. Nishanka K of Electronics & Commn Engg. The Team was guided by Dr C R Rajshekhar, Vice Principal & Head of Dept of Mechanical Engg.

MITE continues the winning streak at Unisys Cloud 20/20 Won the 3rd Prize with cash prize INR 1 Lakhs

UNISYS Cloud 20/20 is a Innovation Annual National Project Contest conducted by UNISYS which is designed to foster innovation among students and create a talent pipeline for UNISYS and the IT Industry at large.

2021 : One Project of ECE was selected in Final Top Five PRojects

2019 : Students of Electronics and Communication Engineering won the Third Prize at 2019 UNISYS Cloud 20/20 Annual National Project Contest. The Team won the Third Prize with a Cash Prize of Rs 1Lakhsfor their Project "Smart Telematics".

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

MITE Students won the 2nd Prize at UNISYS Cloud 20/20 Ver 8 in 2017

2017 : Students of Electronics and Communication Engineering of won the 2nd Prize at UNISYS Cloud 20/20. The Team won the Second 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.

MITE Hybrid Car wins 'Overall Champions at ISIE Hybrid Vehicle Challenge 2019

The Hybrid Car designed by Students of MITE won the 'Overall Champions Award' at the ISIE Formula Imperial Hybrid Vehicle Challenge 2019.Imperial Society of Innovative Engineers (ISIE), supported by Ministry of New and Renewable Energy (MNRE) organizes the National level event "Formula Imperial -HVC" annually. The objective of the challenge is to design and fabricate a Hybrid Vehicle, so as to provide an opportunity to Engineering students to demonstrate and prove their creativity and Engineering skills. In additionm The Team also won other Five awards - People's Choice Award, Best Acceleration, Best Cross Pad, Best Driver, Best Endurance.

MITE Students wins 'Platinum Award' at KPIT Sparkle 2017

KPIT Sparkle: Prestigious Annual National Design and Innovation Contest conducted annually by KPIT

2021 : Project 'Alternate Fuel' was selected for the Grand Finale of KPIT Sparkle 2021

2019 : Two Student Projects were selected for the Finals of KPIT Sparkle 2019.

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 E-Kart wins ‘BEST DESIGN’ Award at All India Eco-Kart 2017 & Eco-Kart 2018

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

MITE ‘Solar Vehicle’ car awarded ‘My Ride My Glory’ award

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

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

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

MITE wins I & II place in Hoverpod Challenge, IIT Kharagpur

2019 : Aeronautical Engg Students won the II Prize in 'Hoverpod' event at National Students Space Challenge at IIT Kharagpur

2018 : Team Aero of MITE won both the First & Second place in Hoverpod Challenge at the National Students Space Challenge organized by IIT Kharagpur in association with ISRO & Sha-Shib group.

MITE wins National Level Aero Competitions

2020 : Team Aero won the'Drone Delivery Challenge at Vertext 10.0, National Level Technical Fest, MVJCE, Bengaluru during March 9th-10th 2020.

2019 : Team Aero won 2nd prize at the National Level competition "Launch Your Rocket" held in Chandigarh University, Punjab, on 6th October 2019.

2018 : Team Aero won II Place in National Level Drone Tech at IIT Varanasi. The Team also participated in RC Plane competition and Secured IV place out of 65 Teams.

2017 : III Place - IGCK, IIT Kharagpur

V Place - National Level Aero Modeling competition at NIT Warangal.

II Place - Level RC Plane competition at NMIT Bangalore

MITE Students win Second Prize in State Level Anveshana 2022

Students team from Department of Civil Engineering of MITE won the Second Prize at ANVESHANA 2022, State level Project Championship organized by the Agastya International Foundation in association with Synopsys. The project entitled 'Eco-friendly interlock blocks' by Ms Glency Roshni D'Souza, Mohammed Alfaz, Rajat Naryan, Mohammad Salim of 7th Semester Civil Engineering, MITE with High School Students Shrinidhi and Niranjan from Government high school Neerkere, Moodabidri won the II Place. The winning Team also received a cash prize of Rs. 25,000/-. A Mechanical Engineering project 'Fuel fraud detection device' and a Civil Engineering Project 'ICPB with reinforcement layer' bagged the consolation prize.

2020: The 9th series of the Anveshana - 2020 witnessed a team from Civil Engineering and another from Mechanical Engineering Department of MITE win the 6th and 9th prize respectively at the state level. The project 'Remote operated arecanut plucking machine' by Pramith shetty and Venkatesh guided by Mr. Bhanuprakash of the department of Mechanical Engg won the 6th place. The project 'Sea sand concrete for Green India' by C.K. Harshitha and Chaitra Taranath which was guided by Dr. Jayprakash M.C. of the Department of Civil Engg bagged the 9th place.

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.**

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 recruitour students. 100% of our eligible candidates have been getting placement offers in the recruitment drive.

At MITE, our responsibility is not only confined to providing exemplary education and shaping competent graduates, we are also committed to extend support to candidates in choosing an apt Career path - may it be an opportunity in a reputed organization or Industry, becoming an entrepreneur or pursuing higher studies. We take pride in seeing our students walk out of the campus with the best choices that ensures and aids in propelling in their professional careers and spread their wings with confidence.

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'.

Placement Records

Excellence is achieved through training & habituation. At MITE, our responsibility is not only confined to exemplary education and shaping competent graduates, we are also committed to extending support to our Students in choosing an apt Career path – Recruitment at Global best Companies, becoming an entrepreneur, or pursuing higher studies. We take pride in seeing our students walk out of the campus with the best choices that ensure and aids in propelling their professional careers and spread their wings with confidence.

The Career Guidance Cell of MITE spearheads and conducts Skill Development programs through the Centers of Excellence established in the Institution, and also invites Industry stalwarts to deliver lectures about advancements in the latest technologies. This enables our students to be Innovators, and also excel in recruitment and be placed in Organizations of repute.

The proven final placements in the successive years and Career advancements of our Students are a result of very systematic interaction with the industry and continuous career counseling of the students. Right from the beginning of the program, students are continuously counseled with regard to their career aspirations and options, which in turn are vigorously followed up with multiple activities like Hackathon, Ideathon, Workshops towards realizing their dreams.

Entrepreneurship ecosystem at MITE

Ideas that could change the future

Business ideas funded in 2020

MED E-DRONES

INR. 2.55 Lakhs

The team aims to cater to a large Indian population that still has issues accessing emergency medical facilities. Lack of medical infrastructure, poor road conditions worsen the cases during emergencies and cases when first-hand medical aid is essential to prevent casualty. The team is working on developing a Medical Emergency Drone which can travel faster and mitigate infrastructural issues. The drone can give AED in emergency cases and carry the medicines to the locations. This drone would help stabilize the patient till the medical services arrive or the patient could be taken over to a nearby hospital which can be critical.

AGUA Stay Fit

INR. 2.46 Lakhs

Smart water bottles are a huge breakthrough for those of us trying to be healthier. Agua the Smart bottle, tracks users' water intake and is typically sync with a mobile app to keep hydration cues updated in real-time. This bottle is one of the best smart water bottles for those who need constant reminders because it glows to remind the user to keep drinking water. The app will have BMI information and provides workout goals.

TFA THE FOOD AMBULANCE

INR. 2.65 Lakhs

The team intends to tap on the avenues of food delivery services at night in tier 2 cities. The Food Ambulance is being developed to have on-demand food delivery services with additional features for night mode, subscriptions & food levels when compared to the features that customers are enabled with the current food delivery ecosystem.

SHIELDX Smart windshield

INR. 2.69 Lakhs

The team is developing polarised windshield glasses for cars as the light is usually scattered in all direction and sometimes tends to become dangerous causing glare and reduces visibility. Polarised lenses contain a special filter that blocks this type of intense reflected light, reducing glare. The team is using a composition of polarised glasses for the windshield. These are anti-glare glasses that will protect eyes from Troxler's effect and ensure clarity and control by transforming distorted and distracting light into a crystal clear view. could be taken over to a nearby hospital which can be critical.

SPRAYIT

INR. 2.69 Lakhs

The team is developing an intelligent sprayer for the areca nut plantations as it is a predominant crop in the Dakshina Kannada region. The machine will optimize the chemical spraying mechanism by spraying only the required amount of chemical to areca nuts, which are developed using machine learning algorithms. The project indeed is a savior for the farmers who are witnessing a dearth of skilled labor already. The machine with its detachable tool heads enables the operator to use the product as a sprayer or harvester. The camera-based system reduces workload, achieves high safety, and also reduces the fatigue of laborers.

NUTRI -TRACK

INR. 2.45 Lakhs

The team is developing a portable Instant NPK Analyser to aid farmers. The user-friendly device would test the soil instantaneously, accurately and would be cost-effective. This instrument is a step towards helping farmers to pursue scientific farming. While this would tremendously help in reducing soil degradation and exploitation due to excessive use of fertilizers it also would be a step towards improving productivity due to usage of the right fertilizer in the right quantity. The idea will also be associated with a Mobile App that will predict the amount of fertilizers required for a particular crop the farmer wants to grow.

ACCELERLAB

INR. 2.68 Lakhs

Arecanut is one of the important commercial crops of India. Their grading is done normally into four types based on their quality and is done manually and is laborious. The team is automating the process using image processing techniques and Artificial Intelligence, to dehusks and grade it as per the quality by extracting the features. The team intends to improve on the efficiency and also the time of operation for the de-husking and grading.

AIRALONG

INR. 2.72 Lakhs

A major issue that bicycle riders face is unexpected flat tires and with an annual production of around 15 million units in India, the team looks at developing a viable solution to this issue. Unlike four-wheelers, riders cannot carry a puncture kit with them. To add to the woe, garages are not to be found too often on the Indian roads. The team is developing a kit that would be embedded near the suspension system. The linear motion of the suspension would be used to compress air into the compressor. This would be a plug-in that is compact, efficient, and feasible.

TR TOUCH RENO

INR. 2.4 Lakhs

The team is developing a mobile app that will allow the customer to design or renovate the interior using their Phone. With a click, user would be able to virtually place furniture and other interior elements, view them, and plan a layout through the app. User would then be able to compare different products, their sizes, and also the price; order the same products using the app. The user would also have options to take professional help through the consultants and reduce the chaos and trouble of designing the interiors.

SYNCHRONOUS emergency services

INR. 2.55 Lakhs

The team is deploying a platform-GODSend for the police force, firefighters, hospitals, or any emergency squad to get instant and briefly described scenarios of an incident around their locality or even beyond. The process initiates with a click, from the app on the user's phone who captures photographs of the scenario. The app analyzes the image using Machine learning algorithms and the details like precise location of the capture such as city, locality as well as landmark which will be fetched from geolocator along with captured image and will be sent to firebase. This will be sorted and categorized to be displayed in the web front end to monitor, quickly respond and act immediately to reduce further damage or catastrophic effects.

BUSINESS IDEAS FUNDED IN 2019

VAJRA TECHNOMOBILES

INR 2.95 Lakhs

Receives grant of Rs. 25 Lakhs

Vajra Technomobiles incubated as a Business Idea at MITE Incubation Center received initial funding and further participated in the prestigious ELEVATE 2021, A Government of Karnataka initiative intended to bolster the voyage of Startups with a cushion of funding. ELEVATE is intended to identify top innovative startups in Karnataka, who would be given Government support to scale up their product or solution so that they can elevate to the next level. Vajra Technomobiles is selected as the Winner of Elevate - 2021, and has received a funding of Rs. 25 Lakhs.

Business Ideas with Grant Received

Walktron	Rs. 2,75,000/-	TYDA Designers & Innovators	Rs. 1,85,000/-
EQUINOX	Rs. 2,74,000/-	Areklimber	Rs. 2,15,000/-
AGRO BOX	Rs. 2,85,000/-	Lifeline	Rs. 2,12,000/-
RAKSHAK	Rs. 1,95,000/-		
Kitchen yantra	Rs. 2,35,000/-	Home CHEF	Rs.1,56,500/-

Entrepreneurs from MITE

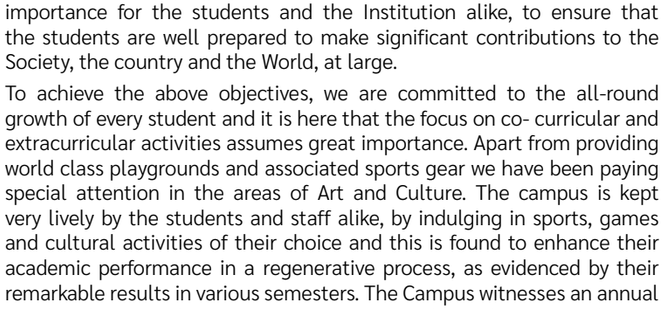
pacewisdom, RAY LED LIGHTS, Global 3D Labs, ADMORE, mindstack, MCPL, TRIVIDTRANS, BLACKFROG TECHNOLOGIES, Giftlit, YAVAN, AppInsight, AVAY, TACHUS TECHNOLOGY Smart Electronic Target Systems, THEJUS ENTERPRISES, TECHNOCLOG, Art Wish, ACCELERLAB, NAMMA KARAVALI, SKF ELIXER, TRIONIX GLOBAL

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.

Creativity is what gives wings to explore the hidden virtues. It is what powers life with beautiful experiences that etch themselves onto our hearts as memories. Memories that eventually shape one into better humans. 'Euphoria', the cultural club of MITE, is a huge community of creative individuals here to nurture their hidden talents with the superior motive of creating art. Here at 'Euphoria', we believe in the stories that make us humans, stories that give wings of perception to view the world in a different yet a beautiful way, stories that keep our feet on the ground while our mind in the stars and most importantly, we believe in the crazy dream of making the world a better place through art.



LIBRARY AND INNOVATION CENTER

Library

The College library has a collection of over 26,040 volumes, 4953 titles, most of the standard journals, technical as well as general, and all leading newspapers. The reference section is a large repository of books, periodicals and a huge volume of journals. 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.

MITE Alumni Innovation Center

MITE offers world class Video Conferencing facility trough which Regular Lectures, Seminars, Technical Talks are conducted by Experts from various Industries as well as Foreign Universities. The State-of-the-art Innovation center has 120 Systems with Two-way communication for better interaction with Global Leaders.

Internet Connectivity

The entire campus is wi-fi enabled to provide students a better learning environment across the campus. The Campus has internet connectivity via 500 MBPS leased line.

OTHER FACILITIES

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 - Bus Facility to all the major places across DK, Udupi Dist.
- Air conditioned Food court
- ATM
- Super Market

RESIDENTIAL FACILITIES

Hostel

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.

Mess/ Food Court

Clean and hygienically food prepared by well-trained chefs is served in Dining hall. We have well trained chefs who are experienced in catering North-Indian, South-Indian, Chinese, and Continental Cuisines. Air conditioned Multi-cuisine Food court is also available in the campus.


Multi-cuisine AC Food Court


Hostel Dining Hall

Sports and Multi-Gym

MITE has Synthetic Layered Basket ball Court, Tennis Court, and badminton court. Also, available in the campus is the 400 meter Track ground with cricket and Football ground. Separate Multi-Gym for Boys and Girls in the campus is provided to ensure Students maintain good health.

Yoga, Fitness & Wellness Program

Fitness & Wellness Program is regularly conducted for the Students & Staff by Professional Consultants. Mr. Murthy R K,CEO & Co-founder for Ashva Running Club is actively involved in designing and executing physical wellness training for our Students & Staff in the space of fitness and endurance running. Mr. Murthy has represented India at World Masters Athletic Championship, Malaga, Spain 2018. He was also qualified and participated in Chicago Marathon, New York Marathon & Boston Marathon. He is a winner of multiple marathons. Also, Yoga classes are conducted everyday evening for our Students by a visiting Yoga Instructor.

Divyangjan Friendly Environment Campus

- Ramps & Lift facility
- Disability friendly washrooms
- Signage
- Assistive Technology
- Provision for Scribes
- Wheelchair facility


Gymnasium


Air-conditioned Food Court


Hostel Dining Block


Incubation Centre

Postgraduate and Research Block


Mechanical Block & Bosch Rexroth Drive and Control Academy

MITE

Invent Solutions

Mangalore Institute of Technology & Engineering (MITE)

Mijar, Moodbidri, Mangalore, Karnataka. Ph: 08258-262695 to 99
E-mail: info@mite.ac.in MITEedu Website: www.mite.ac.in

Rajalaxmi Education Trust

Souza Arcade, Balmatta Road, Mangalore, Karnataka. Ph: 0824-2441581, 2441582
Fax: 0824-2441581 E-mail: info@ret.ac.in

NAAC A+ GRADE
CGPA: 3.44