INSTITUTE CODE
MET
Since 2002

www.metsengg.ac.in

MET'S
SCHOOL OF ENGINEERING

Two Decades of Academic Excellence

MET'S GROUP OF INSTITUTIONS

MET is the acronym for Mala Educational Trust established in 2001. The Trust consists of eminent persons who include Educationists, Doctors, Engineers, Lawyers and Businessmen hailing from the district of Thrissur, Kerala. MET'S Group of Institutions covers a wide variety of professional courses conducted by MET'S School of Engineering, MET'S College of Advanced Studies, MET'S Polytechnic College & MET'S College of Vocational Studies. The purpose of running such two professional Institutions is to bring the benefits of technical education to the rural population of Mala and its surrounding areas in particular and to the State of Kerala, at large. Built over a sprawling 28 acre lush green land, the Campus has a built up area of 2½ lakhs square feet. The serene and exquisite landscaping enhances the conduciveness of the place to academic pursuits and research activities. MET'S Campus is an ideal blend of the rural and urban features. The Campus is surrounded by hills and valleys which abound in the lush greenery of the woods resonating with melodies of the chirping birds. The Athirappilly Water Falls, Entertainment and Amusement parks like "Dream World" and "Silver Storm", are only a few kilometers away from the Campus. Access to the Campus is easy by air, rail and road. Kochi International Airport, Nedumbassery is at a distance of around 20 km. Railway Station on either side, Chalakkudy and Angamaly, make the place easily accessible by train. NH47 and NH17 lie equidistant from the campus. Thus, nestled away from the cacophonic din of the urban life, the Campus is having easy accessibility to various towns and cities while maintaining the proverbial via media or the golden mean between urban luxury and rural serenity.

MET'S
SCHOOL OF ENGINEERING

MET'S School of Engineering is a self-financing, Christian-minority Professional College established by Mala Educational Trust (MET) in 2002. It is accredited by the All India Council for Technical Education (AICTE), New Delhi and is affiliated to A P J Abdul Kalam Technological University (APJAKTU). The College has been awarded ISO Certification 9001-2008 by NQA (UK), testifying to its very high standards of infrastructure facilities including Labs and Libraries, excellent Faculty, academic brilliance, training and placement. The entire College campus has been provided with Wi-Fi facility.

B-Tech

Biotechnology Engineering
Computer Science and Engineering
Mechanical Engineering

Civil Engineering
Robotics and Automation*
Artificial Intelligence & Data Science*

M-Tech

Cyber Security
Bioprocess Engineering

Big Data Analytics*

B-Voc*

Artificial Intelligence & Robotics
Refrigeration & Air Conditioning

Welding & Fabrication
Website Designing & Mobile App Development

*Approval awaiting

Vision

Our vision is to have quality education in a multiethnic environment; to take up challenging issue in the areas of education like:

- **Sowing the seeds of Learning**
- **Ensuring the Development of skills**
- **Grooming the Talents**
- **Igniting the Minds and Building strong foundation**

Mission

MET'S aims at equipping the students with in-depth knowledge and cognitive skills for them to excel in a prominent society and to meet its challenges.

"Come... Let's frame your future in METS"

MET'S School of Engineering is a scholastic fraternity of those devoted to the motto of perfection and service. It has become a pioneering Institution with great reputation for high quality education. We focus on the holistic development of the students to realize their hidden potentials and thereby to make the world a better place to live in. So build a right attitude to seek, to strive and not to yield. As the Chairman of this College, I urge you to make the best possible use of all the facilities available here. I welcome all to be a part of our team.

Dr. Shaju Antony Aynikkal, MD
Chairman, Mala Educational Trust (MET)

We firmly hold on our two priorities: Providing quality and rigorous academic program and Fostering a strong sense of social commitment, which are attained through the exciting curriculum as well as the various club activities provided in our campus. Our commitment at METS is to provide a safe and intellectually challenging environment which empowers the students to become innovative and creative nation builders with strong human values. Whole hearted welcome to our campus which frames the future techies.

Dr. P. Suresh Venugopal ME, PhD,
[MIE, MIEEE, LMISTE, LMIETE, MIAENG]
Principal, MET'S School of Engineering

Facilities

- ➤ Excellent Campus Infrastructure
- ➤ English Communication Lab
- ➤ College Hostel
- ➤ Auditorium
- ➤ Seminar Halls
- ➤ Centre Library and Information Centre
- ➤ Co-operative Store
- ➤ Well Equipped and Furnished Lab
- ➤ Well Furnished and ventilated Classrooms
- ➤ Drawing Halls
- ➤ Conference Halls
- ➤ Audio Visual Room
- ➤ College Canteen
- ➤ Cafeteria
- ➤ Transport facility
- ➤ IEDC Cell
- ➤ Training & Placement Cell
- ➤ Sports & Games Facility
- ➤ Digital Information Center

Highlights

- ➤ Excellent Placement Records
- ➤ Job Oriented Add-on Courses
- ➤ Secured Various University Ranks
- ➤ Ongoing Government Funded Projects
- ➤ Vibrant students clubs/cells
- ➤ Soft Skill and Communication Training
- ➤ Training for Higher Education (GATE, CAT, IAS, etc...)
- ➤ Personality Enhancement and Counselling Cell
- ➤ Centre of excellence for Research and Training
.
- ➤ Wifi enabled campus
- ➤ Student Startups
- ➤ Residential Remedial Coaching
- ➤ Scholarship Assistance
- ➤ Regularity and Academic Assessment System

Best Practices & Values

- ➤ Deep faith in almighty
- ➤ Priority to people
- ➤ Achievement through team work
- ➤ Openness to what is the best and the latest
- ➤ Social relevence and commitment
- ➤ Constant upgradation and innovation
- ➤ Regular mentoring activities
- ➤ Efficient parent teachers relationship
- ➤ Win-win concepts
- ➤ Active learning strategies

ARTIFICIAL INTELLIGENCE & DATA SCIENCE

B.Tech in Artificial Intelligence and Data Science Engineering is an undergraduate programme with advanced learning solutions imparting knowledge of advanced innovations like Artificial Intelligence (AI), Data Science, Data Analytics and Machine Learning (ML). This special B.Tech Program is designed to enable students to build Intelligent Machines, Software, or Applications with a cutting-edge combination of Machine Learning, Analytics and Visualisation technologies. The main goal of this course is to make the Students capable to program the Computers to use the data and experience to solve a given problem. Data Science helps Artificial Intelligent Systems to figure out solutions to problems by linking similar data for future use. There are many applications for Artificial Intelligence & Data Science, such as social media, healthcare, e-commerce, weather forecast, traffic monitoring, etc. This programme is meant for the Students who want to acquire the ability to design intelligent solutions to problems in a variety of domains and business applications and fields such as natural language processing, text mining, robotics, reasoning and problem-solving. There is a big demand for professionals in the field of Artificial Intelligence, Data Analytics, Data Mining, Machine Learning or Deep Learning and data science in the near future.

B.Tech

ROBOTICS AND AUTOMATION

B.Tech in Robotics and Automation is a program offered for specialization in the field of Robotics. This B.Tech program is the first of its kind in the state of Kerala. Robotics deals with the Design, Construction, Operation, and use of Robots along with the Computer systems for their control, information processing, and sensory feedback. This is an Interdisciplinary branch of Engineering and Science that comprises of Mechanical Engineering, Electrical Engineering, Computer Science and others all together. Now Robotics and automation are used in each and every company where machines are involved and some or other process is involved. Over the next decade, robotic assistance will become a reality in almost every field of work and most other aspects of human life. Plenty of job opportunities are available for Robotics Engineers both in India as well as in abroad countries. Employment opportunities are available in a wide range of sectors like Artificial Intelligence (AI), Manufacturing, Maintenance, Research of Nuclear Power Plants, Transportation, Logistics, Defence, Military, Aerospace, Space exploration, Power, Automobile industry, Petroleum exploring places, Biomedical Equipment Industries etc.

COMPUTER SCIENCE AND ENGINEERING (CSE)

With the widespread use of Computers, Computer Engineers can find employment in almost any area of the industrial sector and in defense and research establishments. They can work with national and multinational manufacturers of computers. Computer Engineers work with one of the most important office automation products – computers - in an expanding technological field. Computer Engineers design the computer and its control systems (the hardware) and also develop computer programmes (the software). They are constantly engaged in improving the end product and building the state-of-the-art equipment-super computers, multimedia machines, graphic terminals, laser and inkjet printers, Pentium based machines, etc. The development of systems software and software for scientific and industrial applications is an important component of the course, as also training in hardware development.

MECHANICAL ENGINEERING (ME)

Mechanical Engineering is a core Engineering branch that derives its breadth from the need to design and manufacture everything from small individual parts and devices like sensors to large units like engine system. The role of a Mechanical Engineer is to take a product from an idea to the marketplace. Mechanical Engineers have wide job opportunities in industries such as Automotive, Aerospace, Biotechnology systems, Computers and Electronics, Micro Electro Mechanical Systems (MEMS), Energy conversion, Environmental control, Robotic automation, Manufacturing, Microfabrication etc. At METS, Department of ME have well-equipped laboratories like Thermal Engineering lab, Manufacturing Technology lab, Fluid Mechanics and Machinery lab, Metallurgical lab, Instrumentation lab, CNC lab and CAD lab to fulfill the academic requirements and to conduct research activities funded by state and central Government.

BIOTECHNOLOGY ENGINEERING (BTE)

Biotechnology Engineering is an emerging field in Engineering that utilizes technology for the advancements in Microbiology, Tissue Culture, Biochemistry etc. It opens wide opportunities for the students to work in areas like Pharmaceutical, Bioinformatics, Bioprocessing Industries and Quality Control Departments. This Engineering branch also moulds the students capable of becoming entrepreneurs to start biotech industries. This B.Tech Programme covers highly trendy areas like Microbiology, Biochemistry, Genetic Engineering and Particle Technology. METS have an efficient "Centre for Biotechnology" along with Animal House and Tissue Culture Lab to execute the academic and research ideas arising from Students and Staffs.

CIVIL ENGINEERING (CE)

Civil Engineering is one of the core Engineering disciplines which deals with the design, construction and maintenance of the physical and naturally built environment such as Buildings, Roads, Bridges, Dams, Airports etc. Civil Engineering activities takes place in the public sector from the local bodies to the national level and in private sector from individual dwelling units to the projects with international companies. Civil engineers are employed in various Government sectors such as Railways, PWD, Water Authority CPWD, Border Roads Organization etc and also find excellent career opportunities in the Private Sector both in India and abroad. In METS, the Civil engineering Department comprises of well qualified and trained team of faculty members including persons with vast industrial experience. In order to ensure high standards to students and to supplement their theoretical knowledge, the department is having well equipped and modern laboratories with Total Stations, Spectrophotometer, Water Quality Analyzer, UTM, CBR testing machine etc. METS have the facility to certify the compressive strength of concrete, bricks etc for outside clients and to conduct various water quality tests.

Our Recruiters

The Placement Cell of the College closely monitors employment opportunities for our students in India and also abroad. Placement cell is in constant touch with reputed companies for Campus Recruitment of our eligible students. Many of our students are already placed in renowned companies like Infosys, TCS, LT, CTS, Accenture, Mahindra, E&Y, Birla Cement, Bajaj Electricals, Indian Navy, BSNL and other coveted Corporate.

M.Tech

CYBER SECURITY

M.Tech program in Cyber Security, under the Department of computer science & Engineeringg, aims at molding the student into an information security professional. Practicing industry professionals and enterprise experts with all standards will benefit the nation by providing high protection and security to Cyber World.

BIOPROCESS ENGINEERING

M. Tech in Bioprocess Engineering is the advanced course of B. Tech in Biotechnology. The course embraces Metabolic Engineering, Advanced Genetic Engineering, Advanced Enzyme Science, Bioprocess Plant Design, Pharmaceutical Biotechnology, Membrane Separation Technology etc. There are widespread career openings especially in Pharmaceutical companies, Food Processing Plants and Research Labs etc. Under APJAKTU, METS is the only Campus which offers this specialization under Biotechnology Department across the State.

BIG DATA ANALYTICS

M.Tech in Big Data Analytics is a postgraduate program offered for specialization in the field of acquisition, storage, retrieval, processing and finally the conversion of data into knowledge where the quantum of data is very large. This M.Tech program is the first of its kind in the state of Kerala. Big Data refers to the massive amounts of data, with volume at an unprecedented scale. Now a day's 'Big Data Analytics' are newly developed interdisciplinary programs that includes diverse application domains. This course will enable the students to develop their skill sets and competencies of data scientists as they play main role in competitive intelligence which is a newly emerging field that encompasses data mining and analysis. The curriculum exposes students with all aspects of data analytics including research design, data collection, preparation, analysis, integration, visualization, and interpretation. The curriculum is strongly oriented towards industry and emphasizes industry internship, projects, and entrepreneurship. It is expected that the graduates of the proposed program will mostly join the fast growing Data Analytics industry as technical experts and few will even launch their own IT start-ups in this field. Shortage of skilled professionals in a world which is increasingly turning to data for decision making has also led to the huge demand for Data Scientists.

What IS B.Voc?

Vocational or Skill-based Education is becoming more and more significant with passing time. B.Voc (Bachelor of Vocation) is an emerging course in India, developed by the Central Government, that aims at providing adequate skills required for a particular trade to candidates. The course is different from traditional academic programmes as it deals more with application-based studies rather than focusing on only theoretical knowledge. B.Voc is a Three-Year duration undergraduate course that can be pursued in a wide range of fields. The course curriculum of B.Voc is Industry-based which contains about 40% general education and 60% vocational training components. One of the biggest advantages of pursuing B.Voc against traditional Degree courses is that a candidate has multiple exit and multiple entry points during the programme and the continued industry exposure. This means the candidate will be awarded Diploma Certificate after successful completion of first year, will be awarded Advanced Diploma Certificate after successful completion of second year and will be awarded B.Voc Certificate after successful completion of the three year course. After each year, the Students can even join for jobs and continue the course at any time. Apart from this, the work experience candidates gain during the course increases their chances of getting a job. After completing a degree or diploma in B.Voc, Students can start working in their chosen field immediately.

B.Voc

B.Voc Courses offered

ARTIFICIAL INTELLIGENCE & ROBOTICS

REFRIGERATION & AIR CONDITIONING

WELDING & FABRICATION

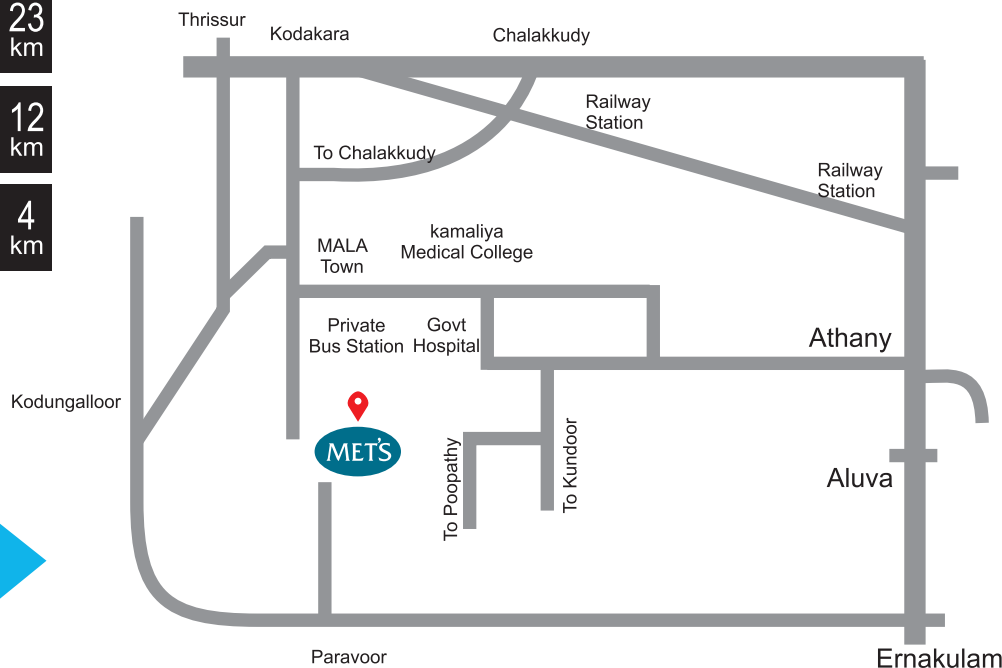WEBSITE DESIGNING & MOBILE APP DEVELOPMENT

Nearest Airport Cochin International Airport **23 km**

Nearest Railway Station Chalakudy **12 km**

Nearest Bus Station Mala **4 km**

Map labels: Thrissur, Kodakara, Chalakkudy, Railway Station, To Chalakkudy, Railway Station, kamaliya Medical College, MALA Town, Private Bus Station, Govt Hospital, Athany, Kodungalloor, MET'S, To Poopathy, To Kundoor, Aluva, Paravoor, Ernakulam

MET'S GROUP OF INSTITUTIONS

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