



MALABAR COLLEGE OF ENGINEERING AND TECHNOLOGY

— Run by IQRA Educational and Charitable Trust —
Approved by A.I.C.T.E., New Delhi & Affiliated to APJAKTU

DESAMANGALAM - THRISSUR

AN ISO 9001 - 2008 CERTIFIED INSTITUTION

COUNSELING
CODE :
MEC

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ORIENTED**

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MD - R-TBI-Technopark
Govt. of Kerala



The one and only one engg. college in Kerala
Inaugurated by : Dr. APJ Abdul Kalam

Vision

To inculcate world class, quality higher education and thereby nurture a generation of dedicated knowledgeable and industry ready world class citizens

Mission

To provide and encouraging environment in which knowledge, Intellectual property, creativity and problem solving ability will thrive.

To institute world class facilities for learning, both in terms of physical infrastructure and talent.

To foster ideal industry - institute participation and thereby evolve into an institution that fulfills the demands of the growing global industry.

To inculcate values of work ethos, disciplinary living and social responsibility

FACILITIES

- An English speaking campus in a serene, green and clean environment
- Air conditioned computer and language lab
- Wifi facility expandable to 20mbps
- Well equipped lab and workshops
- Assistance to get placement
- Training on communication skills, body language and personality development
- Debates and group discussion so as to build sound world knowledge
- Spacious and hygienic modern canteen
- Tie up with MNC's for placement
- Comfortable and spacious hostel
- Well stocked technical and digital library with online reference
- Job oriented-value added courses
- Digital class rooms
- Seminars, workshops & study tours
- Mock interviews & group discussion
- Motivation class
- Guest lecturers from prominent industrialises
- Sports club, Swimming, Driving & Cycling
- Training for extempore speech



Mr. K S HAMASA
Chairman

MCET ensures an erudite environment for every aspiring scholar. Our aim is not to create mere professionals, but world citizens who contribute in some way the other to enhance the respective fields of Science and Technology. We have grit and are undaunted by obstacles. Our perseverance and trust in the younger generations would unfailingly generate professional's par – excellence.



Dr. V. Nandanan
Director

The Malabar College of Engineering and Technology is keen to see that all students choosing it as their center of education are satisfied with the quality of education they get, the facilities for curricular and extra curricular activities and the loving approach of the management and staff. We are adamant in our motto of proper education and discipline. We will be satisfied when the students passes out of it remembers this institution as their loving alma-mater.

COURSES

B.Tech *

B.Tech Computer Science	01	Cloud Computing	30 seats	B.Tech Mecha-tronics	07	Robotics	30 seats
	02	Cyber Security	30 seats		08	Artificial Intelligence	30 seats
B.Tech Mechanical	03	Product Designing & Development	45 seats	B.Tech Automobile	09	Autotronics	30 seats
	04	Oil and Gas	45 seats		10	Vehicle Designing	30 seats
B.Tech Civil Engineering	05	Architectural Designing	30 seats	B.Tech ECE	11	Industrial Automation	15 seats
	06	Construction Management	30 seats		12	Internet Of Things	15 seats

* specialization awarded by college /Competent Authority

M.Tech

M.Tech CSE	Computer Science & Engineering	18 seats	M.Tech Mech	Thermal Engineering	18 seats
M.Tech CE	Environmental Engineering	18 seats	M.Tech ECE	Communication System Engineering	18 seats

ELIGIBILITY :

Asper AICTE / APJAKTU/ Govt. of Kerala Rules and Regulations

ACCEPTED ENTRANCE EXAMINATION
KEE Entrance, KEAM & JEE Examination

B Tech Lateral Entry

Candidates who have passed 3 years Diploma or equivalent with a minimum of 50% marks, are eligible for admission directly to second year B.Tech Course (i.e. to 3rd semester) under the lateral entry scheme.

“ Educational institutions must keep pace with rapidly evolving technology, to enable individuals to be future ready and reduce their rate of obsolescence.

Tailored courses with flexible completion timings will enhance students' inclination towards learning ”

NASSCOM

Source : <https://community.nasscom.in/docs/DOC-1645>

B.Tech Civil Engineering

Architectural
Designing
30 Seats

Construction
Management
30 Seats

This program is one of the oldest and most sought after engineering sciences and involves an in depth learning in planning and design of building, Soil mechanics, Bridge Engineering, Surveying, Hydraulics etc. Besides imparting in depth knowledge in this group of subjects, It also focuses on providing good hands on experience through well equipped state of the art laboratories and ample industry oriented learning.

Major Laboratories

Surveying lab
Material Testing Lab
Fluid Mechanics Lab
Geotechnical Lab
CAM / CAD Lab
Environmental Lab
Transportation Lab



B.Tech Mechanical

Product
Designing &
Development
45 Seats

Oil and Gas
45 Seats

It is a conventional branch of engineering with steady demand in placement. Mechanical Engineering deals with Production Engineering, Thermal and Fluid Engineering, Machine Design, Industrial Engineering and Management, Cryogenic Engineering, Auto mobile Engineering and Power Plant Engineering.

Major Laboratories

Production Engineering Lab
Material Testing Lab
Fluid Mechanics Lab
Thermal Engineering Lab
Instrumentation Lab
CNC Machines Lab
Finite Elements Analysis Lab

B.Tech Electronics & Communication

Industrial
Automation
15 Seats

IOT
Internet Of
Things
15 Seats

This Program is designed to produce professional engineers who are capable of analyzing and maintaining complex Electronic and Communication systems to enable continuous improvements in the standards of the society. This 4-year course offers a wide range of employment opportunities in both private and public sectors.

Major Laboratories

Digital Electronics Lab
Electrical Engineering Lab
Electronics Circuits Lab
VLSI and DSP Lab
Communication Systems Lab
Microprocessor Lab
Computer Hardware Lab



B.Tech Computer Science & Engineering

Cyber Security
30 Seats

Cloud Computing
30 Seats

Computer Science is the study of theoretical foundations of information, computation and its implementation and application in computer systems. Career opportunities exist the area of Information Technology, Medical Industries, Hardware Manufacturing units, Programming fields and web designing.

Major Laboratories

Electronic Circuits Lab
Programming Paradigm Lab
Hardware & Systems Lab
Digital Systems Lab
Programming Lab
Data Structures Lab
Compiler Lab
Network Programming Lab



B.Tech Automobile

Autotronics
30 Seats

Vehicle Designing
30 Seats

Major Laboratories

Fluid Machines Lab
Material Testing Lab
Electrical Engineering Lab
Auto Chasis Lab
Vehicle Reconditioning Lab
CAD & ECNC Lab

The growth of the automotive sector has been phenomenal in the past decade, and quite understandably the requirement for all its supportive services have escalated to mind boggling levels. Automobile or Automotive Engineering has gained notable recognition and importance ever since. With this being the scene, Automobile Engineering now is one of the most challenging careers in the field of engineering with a wide scope. This branch deals with the designing, developing, manufacturing, testing, repairing and servicing of all types of automobiles. This broad field of engineering has many sub sections and areas of specialization which include engine systems, fluid mechanics, thermodynamics, aerodynamics, supply chain management etc.



B.Tech Mechatronics Engineering

Robotics
30 Seats

Artificial Intelligence
30 Seats

Mechatronics is a blend of branches of engineering like mechanical, electrical, electronics & computer science. It is extensively used to design and manufacturing of mechanical & electronic items like Nanotechnology, Automation, Aircraft Engineering oil & gas, biomedical, transport & computer aided design.

The study of mechatronics covers subjects like mathematics, mechanics, thermodynamics, electronics & communication, mechanical design & power energy factories & where industry automation is followed are growing day by day, so the scope of students in this course is also rising.

Major Laboratories

Mechatronics Lab
CAD - CAM Lab
Digital System Lab
PLC & DSP Lab
Measurement Lab
Robotics Lab





2018 ലെ Placement Drive ലൂടെ ജോലി ലഭിച്ച മലബാർ കോളേജിലെ വിദ്യാർത്ഥികളിൽ ചിലർ

Auto



Mech



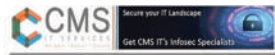
CSE



ECE



Civil



M.Tech - Computer Science & Engineering

M.Tech in Computer Science and Engineering mainly focuses on major and advanced topics in Computer Science. The curriculum imparts the students a foundation for research in the emerging areas. During the study the students have the facility to attend international conferences and workshops to strengthen their academic proficiency. Our aim is to nurture quality professionals to the academic as well as industry world.

Major Laboratories

Research Lab
Advanced Systems Lab
Perogramming Lab
Project Lab
Technical Research Lab

M.Tech - Applied Electronics & Communication System

This master degree program focuses to provide an overwhelming flood of information about the rapidly growing technology, to produce professional Engineers who can contribute their innovative ideas to the nations global competitiveness, career prospectus in this field open up in wide range with jobs available in manufacturing, broadcasting, entertainment, data communication, multimedia, research and development and public related jobs.

Major Laboratories

Advanced
Communication Lab
Project & Research Lab
Signal Processing Lab
Embedded Lab

M.Tech - Thermal Systems

(Mechanical Engineering)

"Thermal Systems" is a major area of Mechanical Engineering. It deals with Combustion, Advanced Mechanics of fluids, Heat and Mass transfer. Design of heat transfer equipments, Turbo Machines and Analysis flow and heal transfer. Non conventional energy systems Optimization techniques, Energy Management in Thermal Systems, Propulsion Engineering, Nano Technology, Macro technology, Cryogenic Engineering, Finite Element Analysis and Research Methodology are dealt in this Course.

Major Laboratories

Major Laboratories	Finite Elements Analysis Lab
Thermal Systems lab	Refrigeration Lab
CFD Lab	Project Lab



M.Tech Environment Engineering

Environmental Engineering is the integration of science and Engineering principles to improve the natural environment to provide healthy water, air and land for human habitation and for other organisms and to remediate pollution sites. It is concerned with plausible solutions in the field of public health implementing law which provide adequate sanitation in urban, rural and recreational areas. It involves waste water management and air pollution control, recycling, waster disposal, radiation, protection, industrial hygiene, environmental sustainability and public health issues as well as knowledge of environmental law. It also includes studies in the environmental impact of proposed construction process.

Major Laboratories

Advanced Environmental Lab I	Transportation Engineering Lab
Advanced Environmental Lab II	Project and Research Lab

Selection Criteria

Candidates with a valid Gate Score in the respective branches of Engineering will be given preference

Wherever Gate score is not available, the admission to M.Tech programme will be made on merit in the qualifying examination





Malabar Centre for Technical Research (MCTR)

The MALABAR CENTRE FOR TECHNICAL RESEARCH (MCTR) was established in February 2012 in our campus. The aim of this new establishment is to inculcate a research and development culture among the staff and students. The centre is on a steady growth and will be a full fledged research centre in the near future. Even at this infant state a considerable number of research projects are being carried out in the centre in streams like Embedded, VLSI, Data & Web mining, Neural networks, Renewable Energy sources etc. The centre has already come out with unique ideas and concepts that has got state and national level recognition.

The mode of functioning of the centre is unique. Discussions on scientific and social problems are made in the special technical sessions under the auspices of the centre. Members can suggest scientific solutions to these problems and can submit a project. These project are scrutinized by an expert committee who report the feasibility of the project. Selected projects are taken and funded for implementation.

OBJECTIVES

To familiarize the scientific and social problems among the staff and students and to motivate them to think and come out with scientific solutions to these problems and thereby inculcate in them the culture of thought and research.

To indulge in problems of society and nation and to come out with solutions.

To motivate the talented and interested young scientists and technocrats to achieve more in their areas.

Design, produce and market new products which are highly useful to society and mankind.

Achievements So Far

Within the short span of its existence, the center could design and manufacture many useful products which are widely acclaimed by the scientific community. The notables are :-

The Intelligent Helmet, for safety of the bike rider, which won many awards in the national and state level project competitions.

The Safe Boarding System for the safety of the travelers in the bus.

The Air Engine which use compressed air as fuel. Many projects like, Lady Guard Watch, Intelligent Vehicle Utilities, Hidden Camera Detector, Wall making Robot, Communication for Dumb are on the way to completion in the center.





FEATURES

Library

The library provides a peaceful atmosphere and nurtures the path to self discovery. It is fully computerized, automated, well-furnished, and spacious enough to accommodate more than 13500 volumes of books, 120 national and international journals, periodical and e-journal facilities. The reading room is open throughout the day with on-line access facility.

Internet Centre

This has a dedicated server, 90 nodes and 80 Mbps broadband Wi-fi connectivity to provide the necessary links, to cater to the need of the students.

Language Laboratory

Language and communication play a pivotal role in every environment. In order to impart good communication skills and aid in the process of personality development, the college has instituted a high tech language lab with the latest self-study software. Students are also encouraged to appear for TOEFL and GRE exams and thereby gain a better exposure to communications.

Hostel

Well-maintained hostels are available for both boys and girls. Situated in a calm and serene atmosphere, the hostels provide a homely environment to students to concentrate in their studies. The mess facilities are being checked by members of the faculty and care is taken to provide wholesome, delicious non vegetarian and vegetarian food to the students.

Transport

Comfortable transport facilities are provided for day scholars. A fleet of buses operates in different routes like Thrissur, Mannuthy, Puthukkad, Perumbalassery, Kunnamkulam, Guruvayoor, Ottapalam, Shornur, Cherpulassery, Chettuva, Irinjalakkuda, Chelakkara, Alathoor, Valanchery, Palakkad, Tirur, Kuttippuram & Perinthalmanna.

A/C Conference Hall

The college has an air-conditioned conference hall with facilities for multimedia presentations and seminars.

Other Amenities

The college has other facilities like store, canteen and photocopying centre that students can use even on holidays.

Water Treatment Plant

The college has its own water treatment plant with a capacity to produce 5000 liters/hour to meet the drinking water needs of the MCET community. This water is supplied through the water coolers in every block and in the hostel.

Uninterrupted Power

Generator is available with 125KVA capacity during power cuts and shortages.

Sports

All sports activities are encouraged in the college campus and talents are nurtured in every field. Facilities include a well laid out football ground, Volleyball, Basketball and Badminton courts, Cricket net Practice and Table Tennis.

Placement & Training

A variety of communication skill development and placement oriented programs are conducted through out the year. Students are encouraged to develop student centred activities and there by practical oriented perspective learning. A number of placement drives will conduct in an academic year and students will get enough opportunity to select their career.

NSS

National Service Scheme has emerged as a powerful and dynamic youth movement in India. It has become a catalyst in building up the right type of leadership. The unit organizes cleaning programs and rehabilitation programme for poor people around the suburbs of Shoranur. It provides an opportunity to the staff and students to have practical experience through community service.

AMCETA

The Association of MCET Alumni is not only a reunion of students but also coordinates placement drives and scholarship schemes for meritorious students of the college.





Why Choose MCET?

COUNSELING
CODE
MEC

LATERAL
ENTRY
SEATS
AVAILABLE

25 YEARS EXPERIENCE

CBSE SCHOOL
UG COLLEGE
B.Ed COLLEGE
SPECIAL SCHOOL
**ENGINEERING
COLLEGE**



**B.Tech
M.Tech**

Excellent Pass %
100 %

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COMPUTER, MECH
AUTOMOBILE, CIVIL

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FROM NEAR BY
DISTRICTS



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Education
with the
Ingredients
of **Excellence**



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Pavaratty
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