



INFORMATION BROCHURE

Govt. Model Engineering College
Managed by IHRD



2021 - 2022

*"Evolve into an academy of excellence to
serve the knowledge society"*



OUR VISION

- | Evolve into an academy of excellence to serve the knowledge society

OUR MISSION

- | Implement quality education through teaching and learning process
- | Inculcate culture of technical innovations and creativity
- | Instil high standards of professional ethics and social values

DEAR PARENT

Welcome to Model Engineering College

Model Engineering College, Thrikkakara, (MEC) is one of the most prestigious institutions of the country, having made it to the list of most sought after colleges in the country in the span of just 32 years. It is the first engineering college to be established by the government of Kerala under the Institute of Human Resource Development (IHRD). The college has been consistently racking up great placement records each year with a lot of big companies recruiting from campus. MEC is also the only college from Kerala to make it to the top 50 colleges in India as per the Outlook magazine, which features the college as the 37th best college.

MEC is affiliated to the APJ Abdul Kalam Technological University and offers a total of 5 undergraduate and 4 postgraduate courses. It is also a recognized Research Centre in Electronics and allied engineering streams. The institution has always followed its philosophy of training and research that emphasizes the relation between knowledge and its applications, with the aim to mould engineers capable of bridging the digital divide. The college has always looked forward to bring out the best in each individual.

PRINCIPAL
MODEL ENGINEERING COLLEGE

BTECH COURSES OFFERED

COMPUTER SCIENCE AND ENGINEERING

The foremost objective of the Computer Science and Engineering programme is to hone technical skills demanded by today's engineering professionals by providing a sound technical platform and the required knowledge base.

ELECTRONICS AND COMMUNICATION ENGINEERING

The Electronics Engineering Department of Model Engineering College offers premier professional training with an eye on the modern developments in electronics and information technology. The Electronics and Communication Engineering curriculum is designed to give adequate emphasis on application of Electronics in Communication Systems and Signal Processing.

ELECTRONICS AND BIOMEDICAL ENGINEERING

This Course covers the basics required to help one get started in Biomedical Engineering. Over a period of 4 years, it covers a vast domain of health care engineering areas in Electronics and Biomedical such as Medical Physics, Signal Processing & Image Processing required in the biomedical field.

ELECTRICAL AND ELECTRONICS ENGINEERING

This Course draws from both Electrical Engineering and Electronics Engineering concepts. Power Systems, VLSI Design, Control System, Power Electronics, Computer Communication, Network Theory, High Voltage DC Transmission, Analog and Digital Circuits, C++ etc. are some of the subjects in the syllabus.

MECHANICAL ENGINEERING

The Mechanical Engineering Department of Model Engineering College aims at providing professional training in the field of engineering physics and mathematics. This four-year long course covers topics like thermodynamics, mechanics, thermal engineering, mechatronics among others, looking to hone the student into a fine mechanical engineer.

MTECH COURSES OFFERED

ELECTRONICS WITH SPECIALIZATION IN VLSI DESIGN AND EMBEDDED SYSTEMS

System Chip Design, VLSI Circuit Design and Technology, Electronics System Design are the concepts given to the engineers in this course.

MECHANICAL ENGINEERING WITH SPECIALIZATION IN ENERGY MANAGEMENT

The objective of the course is to equip engineers to assess, preserve and manage energy resources in industries and other organisations. The course focuses on efficient utilization of thermal and non-conventional energy by effective management.

COMPUTER SCIENCE WITH SPECIALIZATION IN IMAGE PROCESSING

This course endows knowledge in Digital Image Processing, Advanced Data Structures and Algorithms, Pattern Recognition, Natural Language Processing and Medical Image Techniques. Engineers learn the core concepts of image systems through various topics like Data Compression, Multimedia Systems, etc.

ELECTRONICS WITH SPECIALIZATION IN SIGNAL PROCESSING

This course aims at giving the students an exposure to subjects such as Digital Control System, Speech and Image Processing, Spectral Estimation, Machine Learning, Array Processing and Advanced Digital System Design.

PTA (PARENT TEACHER ASSOCIATION)

The PTA of Govt. Model Engineering College was set up to promote the co-operation of parents and teachers for improving the education facilities and programmes of the college and education in general. The association maintains harmonious relationship between parents and teachers for the betterment of the students.

The PTA is proud to have been associated with various developmental activities like ATM counter, security cabin, two-wheeler parking yard, running of college bus, identity card printer, renovation of basketball court, furnishing of MTech lab, girls and boys toilet block, drawing hall, garden maintenance, etc.

EXECUTIVE COMMITTEE

Dr Jacob Thomas V, Principal
Sri Anup Nair
Dr Sreenivas P
Sri Praneeth

President
Vice President
Secretary
Joint Secretary

MEMBERS:

Sri Santhosh Paul Manvettom
Sri Suresh Kartha
Sri George Varghese
Smt Bindu Sathyajith
Sri Sreekumar Kartha
Sri Anup Nair
Dr Rema Devi S
Smt Preena K P
Smt Sincy P S
Sri Irshad Ali T K
Sri Kannadas P K
Sri Arun C R

IMPORTANT CONTACTS

Dr JacobThomas V	Principal, President PTA	0484-2575592 9447525227
Dr Mini M G	HOD (ECE)	8547005097
Dr Remadevi	HOD (Applied Science)	9447810386
Dr Shouri P V	HOD (ME)	9446290293
Dr Preetha Theresa Joy	HOD (CSE)	9847547127
Dr Bindu V	HOD (EEE)	8547310981
Dr Minimol B	HOD (EBE)	9447733806
Smt Aparna Devi P S	Faculty Incharge, PC	9447249042
Smt Radha Balakrishnan	Academic Coordinator First-year	9446565860
Dr Sreenivas P	Chairman, Anti-Ragging Squad	93492 22799
Dr Jaya V L	Anti Ragging Helpline	18001805522
Dr V Ittoop	PG and Research Coordinator	9745108648
	Medical Officer	99468 33021
MENS HOSTEL:		
Dr Arun Prasad	Warden	9447837441
Sri Sajeesh M	Assistant Warden	9446989252
LIBRARY:		
Smt Anila K S	Librarian	9447040684
SPORTS:		
Sri Sanchu S	Faculty Incharge	9446307826
SENATE:		
Sri Irshad Ali T K	Faculty Incharge	9847121267

STAFF ADVISORS OF BTECH 1ST YEAR CLASSES


Smt Kalpana George	ECA	9447808568
Sri Joseph George	ECB	9349316745
Smt Jayasree K	CSA	9446089976
Sri Murali Mohanan	CSB	9447576638
Dr Shiny Philip	EEE	9995137396
Smt Sajitha S	EBE	9605497787
Sri Jimmy John	ME	9447239609

PLACEMENT RECORD

MEC has an impressive placement and internship record. The activities are handled by a well established and strong student-coordinated Placement Cell. The team works to ensure that student quality matches upto recruiter expectations. Over 80 companies recruit from the campus. Students of MEC take up two-month summer internships in companies working on cutting-edge technologies to gain deeper understanding of the industry trends.


PLACEMENT OFFICER

Smt Aparna Devi P S
 aparnadevi@mec.ac.in
 9447249042




Govt. Model Engineering College

Thrikkakara, Kochi, Kerala - PIN: 682021



In the **251-300** rank band for engineering colleges by



Ranked **13th** among the Top Govt. T-schools by

DATAQUEST

Ranked **27th** among Govt. engineering colleges by

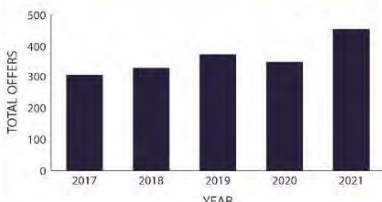
INDIA TODAY

Total Offers 452

101 Companies


Average Package ₹6.1 LPA

₹31.6 LPA Highest Package



YEAR

■ Male (56%) ■ Female (44%)




451 Students*

Programs

Course	CSE	ECE	EEE	EBE	M.Tech
Students*	130	132	64	64	61

*Statistics for the 2022 batch

Placements & Internships



+91 9846745061

pc@mec.ac.in

<https://mec.ac.in>

KTU RANK HOLDERS 2021

Two of our students at Model Engineering College feature in this list. Model Engineering College fares at the third position in the list of overall pass percentage and also in the list of Academic Performance Index.

KTU Rank Holders 2021

Computer Science & Engg.

Megha KC	Rank 4
Harikrishnan V	Rank 6
Srividya Krishnakumar	Rank 9
Shwetha B Menon	Rank 10

Electronics & Communication Engg.

Hasna Parveen KZ	Rank 2
Smrithi S Shenoy	Rank 3
Tasneem Fathima KZ	Rank 6

Electronics & Biomedical Engg.

Alan Bince Jacob	Rank 1
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SCOLARSHIPS

1. MERIT-CUM-MEANS SCHOLARSHIP
2. CENTRAL SECTOR SCHEME OF SCHOLARSHIP
3. E-GRANTZ SCHOLARSHIP

COLLEGE TOPPERS KTU EXAM 2021

CGPA TOPPERS

COMPUTER SCIENCE AND ENGINEERING



Megha KC
9.94



Harikrishnan V
9.90



Shwetha Menon
9.90



Srividya
Krishnakumar
9.88

ELECTRONICS AND COMMUNICATIONS ENGINEERING



Hasna Parvin
9.94

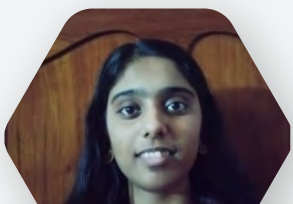


Smrithi Shenoy
9.93

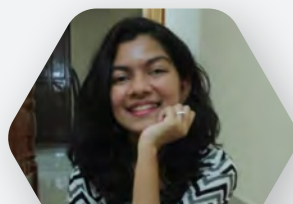


Thasneem
Fathima
9.88

ELECTRICAL AND ELECTRONICS ENGINEERING



Gowri Lakshmi
9.62



Anjali Karthik
9.52



Anna Kuriakose
9.37

ELECTRONICS AND BIOMEDICAL ENGINEERING



Alan Bince Jacob
9.49



Aditya Bajju
9.26



Catherine Joju
9.37

MENS HOSTEL

The men's hostel of Govt. Model Engineering College Thrikkakara is situated in the college campus itself behind the main campus. Hostel mess is run by the students committee on cost-sharing basis. The day-to-day functions of the hostel are managed by the committee and supervised by assistant warden and resident tutors.

Dr Arun Prasad

Warden

9447837441

LIBRARY

The Model Engineering College Library has a good collection of books and journals in the areas of electronics, computer science, biomedical engineering and related subjects like science, mathematics and management. It is classified into book bank, general books, reference books, text books apart from project reports, periodicals, technical magazines and newspapers. The library has approximately 25,000 volumes of books and 60 journals.

Smt Anila K S

Librarian

9447040684

MEC CO-OPERATIVE SOCIETY

A student co-operative society of MEC is functioning in room 203, having registration number E-1128, under Co-operative Societies Act. The store provides uniforms, lab coats, notebooks, textbooks, drawing instruments and other stationery to the students.

Mr. Santhil Kumar C A

Secretary

9895355570

IMPORTANT WEBSITES

MEC : www.mec.ac.in
IHRD : www.ihrd.ac.in
KTU : www.ktu.edu.in
CEE : www.cee.kerala.gov.in
AICTE : www.aicte.india.org

Attendance Information : www.mec.ac.in/attn/
Students Performance : www.mec.ac.in/sessional-marks/
Hostel Admission : www.mec.ac.in/hostel/

EXCEL

Excel is the annual techno-managerial fest of MEC in association with IEEE. Driven by the motto INSPIRE, INNOVATE, ENGINEER, it aims at providing a platform for students to test and showcase their technical prowess against the best in the land. Within a decade, Excel has risen to become one of the most eagerly anticipated events each year.

Mr. Jiby John

Faculty in charge

9846466044

ARTS

The Arts club is very active and provides a big platform to expose all the talents and give equal opportunities to all the students to bring up their skills in every creative perspective. Apart from the college arts fest, there are lots of inter-college events in which the college has actively participated and won. The club is responsible for organizing the Annual Arts Fest, Layatharang in our college.

Mr. Rashid M E

Faculty in charge

9447300096

SPORTS

Govt. Model Engineering college has an excellent physical education department. The sports club of Model Engineering College is engaged in the training of the college team for various inter-collegiate events. The sports club conducts various sports and games events every year in the college. The intra-college leagues for games like football, volleyball, throwball, chess, cricket and annual sports meet are the main events. El-Juego, the Inter-College Football League attracts participants from all over the state.

Mr. Sanchu S

Faculty in charge

9446307826

SENATE

Senate is the supreme student body of the college. It was created with the aim of bridging the gap between the staff and student community. All activities of students and student organisations are sponsored by the Senate and issues related to the college are discussed and resolved. The Senate has three elected representatives from each class. The Senate of Govt. Model Engineering College as control and general regulation, is responsible for the maintenance of college activities. The Chairman and the other core members of the Senate are elected by the students.

Mr. Irshad Ali T K

Faculty in charge

99952 66273

CLUBS AND ACTIVITIES

IEEE

The world's largest professional organisation, IEEE, is dedicated to the pursuit of advancement and innovation in the field of technology. With over 200+ members, the Student Branch of IEEE in MEC offers a platform for students to enhance their technical and professional acumen.



MIXED SIGNALS

An endeavour of the students of Electronics and Communication Department, the club encourages students to venture beyond the curriculum. Various workshops, lectures, competitions are organised as part of its mission to empower students with the latest technologies in the field of electronics.

BMA

The Bio Medical Association focuses on developing the technical and academic knowhow of the students of the Biomedical department.



EMF

Electrical Minds Forum (EMF) is the society of the students in the Electrical and Electronics Department which aims to bridge the gap between students and the great strides of the industry.

CLUBS AND ACTIVITIES



MACS

MEC Association of Computer Students (MACS) was created by the students of the Computer Science Department to educate the students on the advancement of the industry and learn concepts that are not part of the curriculum.

TREE

TREE- The Road to Environmental Excellence. The environmental club of the college that aims at the promotion of green living and the protection of the environment.



THANAL

To Humans, A Noble Acme Life (THANAL) is a social action-club dedicated to humanitarian welfare and is responsible for raising funds and other amenities to help the weaker sections of the society. Thanal also undertakes social activities in association with wedgood.in and Nummade Kochi.



TERMINAL

'Terminal' is the official technical publication of the college. It was an initiative taken by the students of the college, in association with the IEEE wing, aimed towards fostering interest in readers about the diverse technical developments around them, both locally and globally.



CLUBS AND ACTIVITIES

DEBATE CLUB

An interactive club, that was started in 2014 by a group of vibrant students, which intends to give all those who have flair for expressing their thoughts in speech and ink.



GREENS

Greens was formed by the Mechanical Engineering Association of the college to uphold the principle of controlled exploitation, conservation and preservation of energy. It aims at encouraging engineers to become green engineers who promote the principles of nature.

IEDC MEC

The Innovation and Entrepreneurship Development Cell of MEC works towards helping the community find an intersection between technology and entrepreneurship. IEDC MEC consistently hosts a large number of innovative events and through its flagship annual national level symposium, Technopreneur, it creates macroscopic impact in student innovations and entrepreneurial ventures. The cell currently also acts as a pre-incubator and was the first E-cell in the state of Kerala.



ILLUMINATI

Illuminati, the quizzing fraternity of Model Engineering College is one among the most active students' societies of the college. They have conducted over a hundred intra- and inter-collegiate quizzes and have brought home numerous honours.

CLUBS AND ACTIVITIES



IETE MEC

The Institution of Electronics and Telecommunication Engineers is India's leading recognized professional society devoted to the advancement of Science and Technology of Electronics, Telecommunication & IT.

WIE

IEEE WIE (Women In Engineering), a vibrant community of IEEE women collectively use their diverse talents to innovate for the benefit of humanity. Their mission is to facilitate the recruitment and retention of women in technical disciplines globally.



NSS

National Service Scheme is a youth service programme which seeks to arouse social consciousness among the youth with an overall objective of personality development through community service. The e-Waste campaign by MEC NSS Unit got state-wide acclaim.

FORTITUDE

Fortitude is a safe space within MEC that you can enter to engage in healthy, introspective, & inclusive conversations and activities revolving around the topic of Mental Health. Through regular meetings, workshops, webinars, and the like, the club aims to destigmatize and spread awareness about Mental Health, as a way of bridging the gap between students and Mental Health resources.



CLUBS AND ACTIVITIES

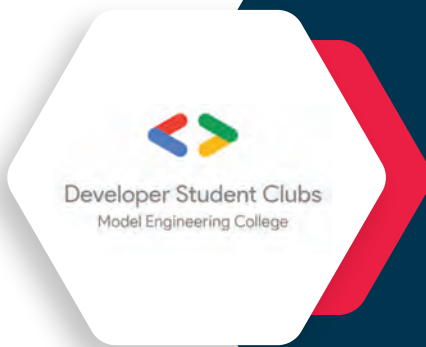
FOSS MEC

FOSSMEC was made to inherit the technical workings of the College into a more ordered working conditions under the club, and also to bring forth Open Source culture by having enthusiasts working with the club on different interesting softwares and projects, with people around the world.



DSC MEC

Developer Student Clubs MEC seeks to encourage learning dynamically and provide a boost to developers stuck in a rut as well as connecting them with a group of like-minded peers to take on larger projects to change things for the better.



TBT

The Book Thieves is the official literary club of MEC. With a vision is to foster a lifelong appreciation of books and reading, the club aims to build an accessible environment to spread the love for literature and philosophy. With dedicated forums for writing, reading and speaking, TBT is for anyone with zest and zeal for words.



TLE MEC

Launched with the mission to inculcate a culture of competitive programming and problem-solving in the campus within a peer-learning environment, TLE MEC is a club that focuses on Competitive Programming and Data Structures & Algorithms. By building proficiency in these fields, TLE MEC helps students face real-world issues, develop efficient problem-solving abilities, harness their analytical skills, and much more.



CLUBS AND ACTIVITIES



THE MEC PODCAST

MEC Podcast, helps students learn about new topics, releases the yearbook for final years and brings them interviews and talks with ex MECians. MEC Podcast is your one-stop destination for podcasts related to MEC and tech themes.

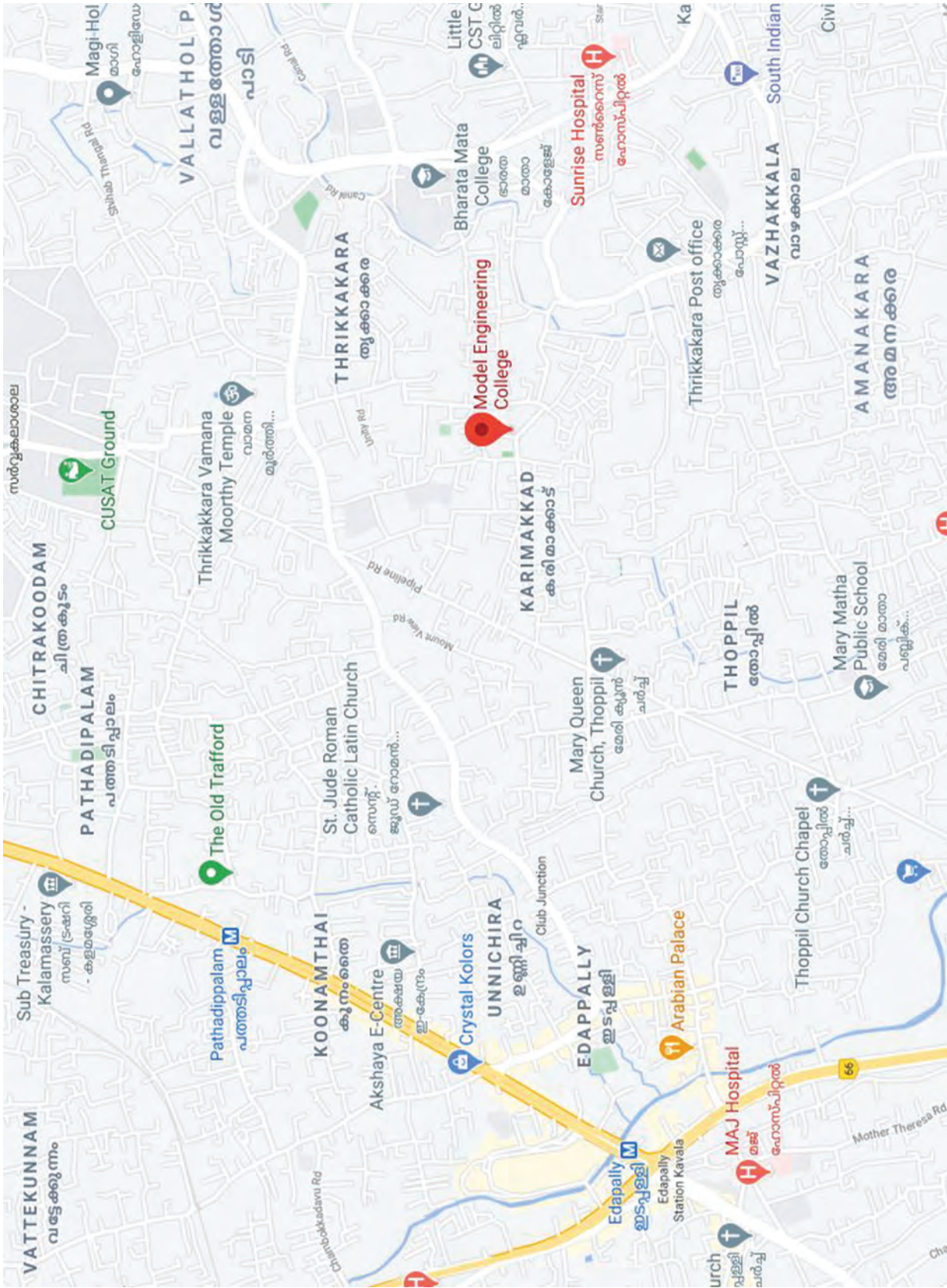
FABLAB

MEC is one among a few Government Engineering Colleges to have a Fablab facility. Fablabs provide widespread access to modern means for invention and for research in digital fabrication, ultimately aiming at developing programmable molecular assemblers to make almost anything.

SOLAR POWER STATION

MEC is the first academic institution in Kerala to have a rooftop grid-connected solar power generation station installed. The installed capacity is 30kW and the work was initiated by the EEE students with support from ex-MECians, faculty, KSEB etc.

ROUTE MAP





Model Engineering College
(Managed by IHRD, Established by Govt. of Kerala)
Cochin, Kerala, 682021

DESIGNED BY PLACEMENT CELL
PRINTED AND PUBLISHED BY PTA
Phone No: +91-484-2575370, 2577379, 2575592
Website: www.mec.ac.in
Email: principal@mec.ac.in