2022

PLACEMENT BROCHURE

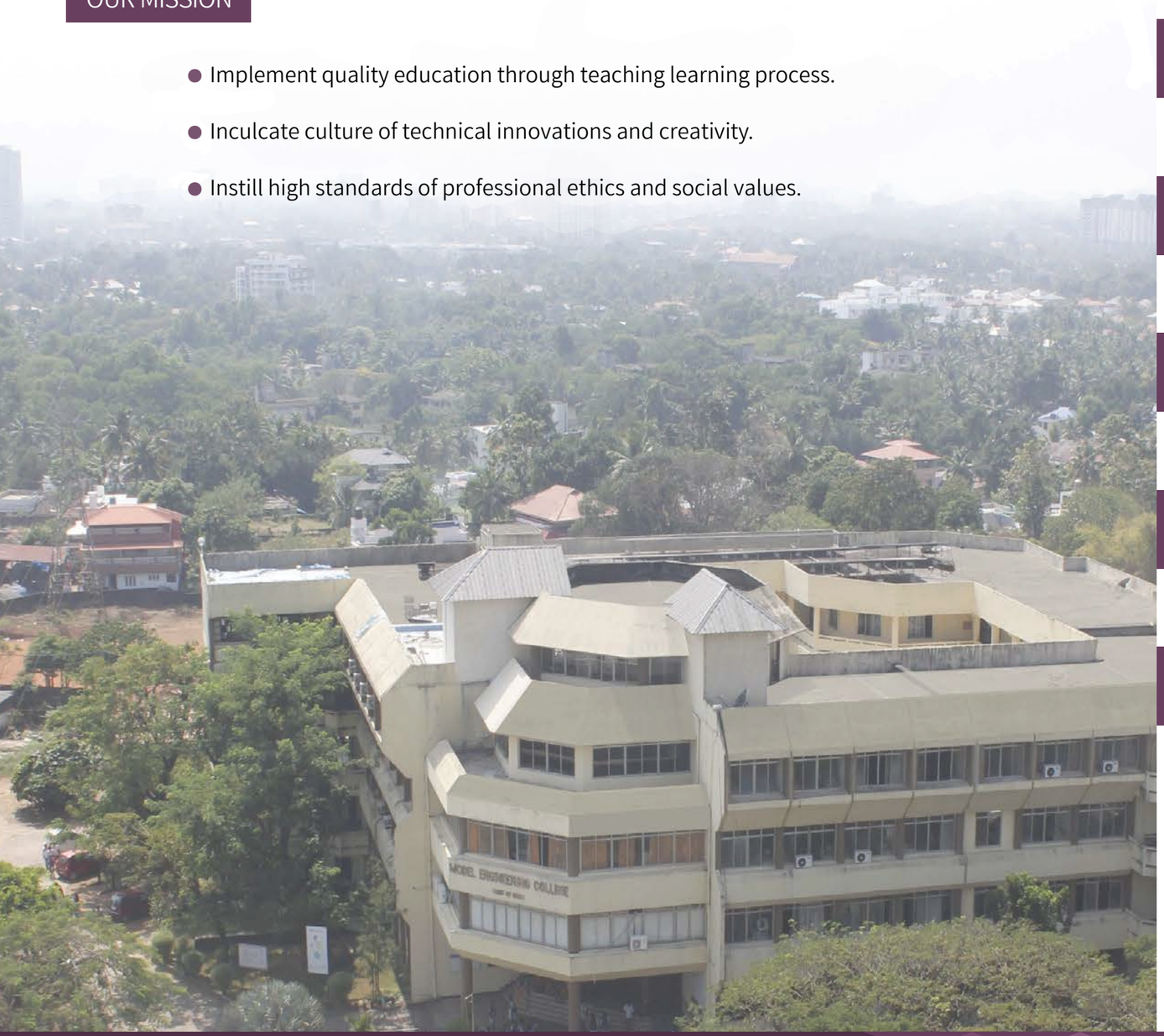
Govt. Model Engineering College

OUR VISION

Evolve into an academy of excellence to serve the knowledge society.

OUR MISSION

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



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FOREWORD

Over the years, Govt. Model Engineering College has stood in the forefront for the development of society by transforming young minds into versatile professionals. The institution has been nurturing the inherent potential of students by incorporating theoretical and applicational aspects of technology into the curriculum. MEC has spared no effort in providing the budding engineers with resources that are coherent with the evolving industry. Hence, the students are determined to showcase their technical and managerial abilities by coordinating and participating in far-reaching activities. Moreover, the campus community and the vast alumni network serve as exemplars for the students to decipher the challenges posed by the real world.

Dr. Vinu Thomas, Principal

Govt. Model Engineering College has always inspired the eager minds to reach the zenith of excellence. The resolve to partake in corporate initiatives has been the adopted culture for the students, enabling them to push their boundaries and surpass expectations. MEC has been closely associated with the industrial world by engaging students in ventures aligned to the needs of the society. Furthermore, the substantial increase in the placement and internship offers, even in the face of adversities, stands as a testament to the fine quality of our aspirants. We encourage students to initiate change and grow on a professional and personal aspect and this, in turn, has been the rationale for the brightest talents and prominent companies to be a part of this institution.

Dr. M V Rajesh, Training and Placement Officer

TESTIMONIALS

LinkedIn

"Keep up the good work."

PHILIPS

"Just amazing. This is by far the best campus interview I had, it was very difficult to reject as everybody is good."

Deloitte.

"MEC is a real delight to come to year after year, your talent is promising. Keep up the excellence."

ABOUT MEC

Govt. Model Engineering College, established in 1989 under the auspices of IHRD (Institute of Human Resources Development), remains to be one among the top colleges in the state by virtue of its outstanding academic accomplishments and placement records. The institute is affiliated to APJ Abdul Kalam Technological University (KTU) and offers five undergraduate and four postgraduate programmes to the students based on their meritorious performance in Kerala Entrance Examination and GATE respectively. MEC also bears the title of being the first recognized research centre under CUSAT.

RANKINGS

livemint — **4th**

Mint magazine, the Hindustan Times Daily, in collaboration with The Wall Street Journal, ranked MEC **4th** for **Industrial Interaction**.

INDIA TODAY — **10th**

India Today ranked MEC as **10th** among the **Top Govt. Engineering Colleges** with the best value for money in India.

GHRDC — **7th**

GHRDC ranked MEC as **7th** among the **Top Govt. Engineering Colleges in India**.

DATAQUEST — **13th**

Dataquest featured MEC as **13th** amongst the **Top Govt. T-Schools in India**.

THE WEEK — **30th**

The Week featured MEC as **30th** amongst the **Top Engineering Colleges in India** under the Government Institutions category.

Outlook — **36th**

Outlook magazine ranked MEC as **36th** among the **Top 100 colleges** in India. MEC is the only college from Kerala in the Top 50.

Ansys

"It was a highly fruitful experience."

redBus

"It was pretty impressive and aligned to the needs of the industry."

BOSCH

"Delighted to see the knowledge level of many students."

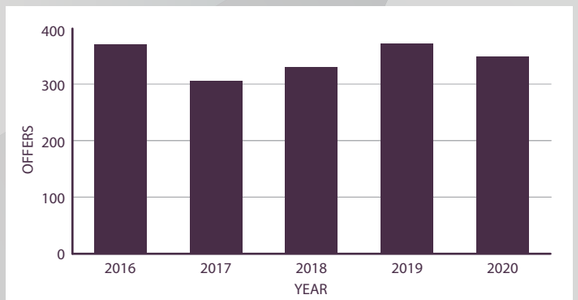
PLACEMENTS

INTERNSHIPS

Govt. Model Engineering College has a fully student coordinated Placement Cell that embodies the philosophy of 100% placements for the students. The cell has succeeded in maintaining relations with the industry's biggest names by coordinating on-campus and virtual placement activities. The Training Cell also plays a significant role in equipping the students to get acquainted with the dynamics of the corporate world through various training programs.

Envisioning that internships offer an incentive for fundamental industrial exposure, the Placement Cell gives utmost priority to student internships. As a result, the number of internship offers has seen an impressive growth over the years. The students are motivated to take up summer internships in established companies and start-ups to habituate themselves with the advancements in the industry and emerging scientific technologies.

NUMBER OF OFFERS



PRE-PLACEMENT OFFERS

Deloitte. tcs SYNOPSYS
LinkedIn QBurst Ansys
intel UST Paytm
arm zynga
COGNICOR ACCOLITE DIGITAL
FullContact BROADCOM

BIOMEDICAL TECHNOLOGIES

Curneu Smith+Nephew Biosense
Myrtra AsterMedcity BPL Medical Technologies
BYJU'S The Learning App BECKMAN COULTER Health Vectors PHILIPS
TRIMEDX SIEMENS Healthineers
Capgemini ZIFO GE Healthcare
UNISYS tcs iba
esri ORACLE
Tally Adobe verizon media
AMADEUS Google
zomato LinkedIn
ThoughtWorks ZOHO
redBus Microsoft
Paytm
SOTI Akamai
amazon LatentView
servicenow FACTSET ZS
Flutura EY BRIDGEi2i
Mindtree
SAP Deloitte. S&P Global
D E Shaw & Co Mu Sigma teradata.

SOFTWARE & INTERNET SERVICES

PROFESSIONAL SERVICES & ANALYTICS

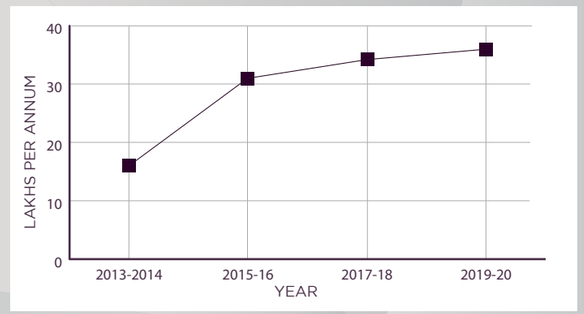
ELECTRICAL PRODUCTS & UTILITIES

Bharat Petroleum TATA TATA POWER Kalkitech intelligent energy systems Vem hp
BOSCH BHEL HAVELLS
CALPINE TISMO
Rockwell Automation apollo
KSEB Verifone
Schneider Electric MICROCHIP TATA
NVIDIA TATA ELXSI
intel cadence
Ansys SYNOPSYS
FUJITSU ANALOG DEVICES
AMD WISILICA
openfive infineon
AllGo embedded Ittiam
CoreEL Technologies
ERICSSON CISCO
HUAWEI
verizon Jio NOKIA
onmobile GadgEon
BSNL VVDN Alcatel·Lucent
Qualcomm BROADCOM

ELECTRONICS & EDA

TELECOMMUNICATION & NETWORKING

TOP PAY PACKAGES



WORK IN MEC

The students of MEC are avid learners and focus on attuning themselves to advanced technology applications by working on industrial-level projects. Work in MEC is an initiative taken up by the Placement Cell to acquire projects outsourced by the companies and proffer them to the students, hence endowing a platform for them to perfect their work skills.

HONOURS & ACCOLADES

Annu Jolly and Gayathri Venu of 2022 batch were selected among the thirty proficient candidates from India to partake in **Twitter DevelopHER**, a two-day mentoring program involving networking sessions, interactive workshops and multiple coding rounds.

Deloitte extended Pre-Placement Offers to three students of 2021 batch for securing the third prize in the **Deloitte TechnoUtsav** for their innovative project Sevak, developed to provide assistance to sanitation workers by detecting hazardous circumstances.

Varun Krishna S of 2022 batch was the winner of the renowned **ETHIndia Hackathon** and was awarded an ethereum for the creation of Tessa, a torrent search engine based on a global and open-source platform for decentralized applications.

Neville Antony, Vivek R, Devdutt Shenoi and K S Srinidhi Krishna of 2021 batch were selected for the **Google Summer of Code** (GSoC) 2020 to intern with the open source organizations GNOME, Pitivi, CNCF and Creative Commons respectively.

Three ingenious projects developed by the students of 2021 batch, which proved to be promising innovations in the field of biomedical engineering received the **IEEE Humanitarian Activities Committee** fund of over **10,000 USD**.

Sheril Maria of the 2021 batch developed a speaking aid for the blind which won an award of ₹10,000 in Innovate 2019, an initiative by **Kerala State Council for Science, Technology and Environment** (KSCSTE).

The mini-ventilator models developed by a team of tech-savvies were rated among the top prototypes in the '**Emergency Ventilator Challenge**' organized by APJ Abdul Kalam Technological University, thereby acquiring assistance for the implementation of the design.

AnitaB.org awarded the **GHC 20** Scholarship to Lakshmi Sreekumar and the **GHCI 20** Scholarship to nine versed candidates of the 2021 batch, along with the unique opportunity conferred to Poornima M to participate in the Poster Presentation session.

IEEE Embedded Challenge, organized by RFID Council and SAC of IEEE Kerala Section, saw a team of five tech enthusiasts of 2023 batch securing the first prize for their project on retrieval of emergency medical information using an RFID embedded ring.

Chelsa Mariam Benny and Gowri Lakshmi D of 2021 batch were the second runners-up in **Seminar Presentation** on **Power System Resilience** organized by KSEB Engineers' Association in collaboration with IEEE Power and Energy Society.

Twenty-one students were selected for the Millennium Fellowship, initiated by **The United Nations Academic Impact and Millennium Campus Network**, which facilitates students to accelerate change while advancing UN SDGs of 2030.

Anagha Sivadas T of 2022 batch received a scholarship to attend the **4th Annual Seattle Women in Tech Regatta Conference**, a fortnight-long program of educational events, inspiring speakers and empowering experiences.

B.TECH COURSES

COMPUTER SCIENCE

Computer Science Concepts: Computer Organization and Architecture, Data Structures, Algorithm Analysis and Design, Object Oriented Design and Programming, Principles of Database Design, Compiler Design, System Software, Software Engineering, Computer Networks, Cryptography and Network Security, Computer Graphics.

Programming Languages: C, C++, Java, Python, SQL.

Program Electives: Machine Learning, Artificial Intelligence, Natural Language Processing, Data Analytics, Blockchain Technologies, Cloud Computing, Computer Vision.

Electronics: Electronic Devices and Circuits, Digital Electronics, Microprocessors and Microcontrollers, IoT and Applications, Electronic Hardware for Engineers.

Others: Professional Communication, Professional Ethics, Industrial Economics and Foreign Trade, Disaster Management, Life Skills, Sustainable Engineering.

Labs: Data Structures, Object Oriented Programming, Application Development Software, Compiler Design, System Software, Free and Open Source Software, Network Programming.

ELECTRONICS & BIOMEDICAL

Biomedical: Biomedical Instrumentation, Principles of Radio Diagnosis and Radiotherapy, Biosensors and Transducers, Bio MEMS and Nanotechnology, Biophysics, Biomechanics, Medical Imaging Techniques, Therapeutic Equipment, Biomedical Optics and Biophotonics, Modelling of Physiological Systems, Artificial Organs and Implants, IoT and Biomedical Applications, Design of Medical Devices, Bioinformatics, Computational Methods in Biomedical Engineering.

Embedded Systems: Embedded System Design, Advanced Microprocessors and Microcontrollers.

Computer Science: Fundamentals of Computer Programming, C Programming, Computer Graphics and Visualization, Medical Image Processing, Artificial Neural Networks, Deep Learning Techniques.

Electronics: Integrated Circuits and Systems, Signal Processing, Design of Logic Circuits and Systems, Power Electronics and Applications, VLSI Design, Control System Engineering.

Labs: Analog and Digital Circuits, Medical Electronics, Electronic Devices and Circuits, Biomedical Signal Processing, Medical Image Processing, Bioengineering, Microprocessors and Microcontrollers.

ELECTRONICS & COMMUNICATION

Electronics and Communication: Analog Integrated Circuits, Antenna and Wave Propagation, Advanced Communication Systems, Digital Signal Processing, Image Processing, Speech Processing.

Embedded Systems & Hardware Design: Embedded System, VLSI Design, RTOS, Control Systems, Microprocessors and Microcontrollers.

Computer Science: Soft Computing, C Programming, Object Oriented Programming, Android Studio, Pattern Recognition, Information Theory and Coding, Computer Communication, Cyber Security.

Labs: Logic Circuit Design, Analog Integrated Circuits, Digital Signal Processing, Microcontroller, Power Electronics and Instrumentation, Optical and Microwave Communication Systems.

ELECTRICAL & ELECTRONICS

Electrical: Circuits and Systems, Control Systems, Electrical Machines and Instrumentation, Power Electronics, Electrical System Design, Transmission Systems, Renewable Energy Systems.

Electronics: Analog Electronic Circuits, Signals and Systems, Microprocessor and Embedded Systems, Digital Electronics and Logic Design.

Computer Science: C Programming, Control Statements, Object Oriented Programming, Data Structures and Algorithms, Soft Computing, Machine Learning, Computer Networks, Compilers and Assemblers.

Labs: Circuits and Measurements, Electrical Machines, Digital Circuits and Embedded Systems, Power Electronics and Drives, Electronic Circuits, Systems and Controls, Power Systems.

MECHANICAL

Mechanical and Thermodynamics: Industrial Engineering, Solid and Fluid Dynamics, Mechatronics, Material Science, Design of Machine Elements, Industrial Hydraulics, Thermal Energy Engineering.

Electrical: Electrical Drives, Control Automation, Transformers and Induction Motors, Advanced Energy Engineering.

Computer Science: Computer Programming and Numerical Methods, Computer Aided Design and Analysis, Robotics and Automation, Optimization Techniques.

Labs: Thermal Engineering, Manufacturing Technology, Electrical and Electronics, Material Testing, Fluid Mechanics and Machines.

M.TECH COURSES

IMAGE PROCESSING

Main Course: Advanced Digital Image Processing, Advanced Data Structures and Algorithms, Computer Vision, Pattern Recognition, Computer Graphics & Volume Visualization, Mathematical Foundation for Computer Science.

Elective: Advanced Computer Networks, Advanced Data Mining, Artificial Neural Networks and Fuzzy Systems, Network Security and Cryptography, Imaging and Multimedia Systems, Natural Language Processing, Medical Image Techniques and Analysis, High Performance Computing, Wireless Sensor Networks, Human Computer Interaction, GIS and Remote Sensing, Data Compression, Bioinformatics, Digital Video Processing.

ENERGY MANAGEMENT

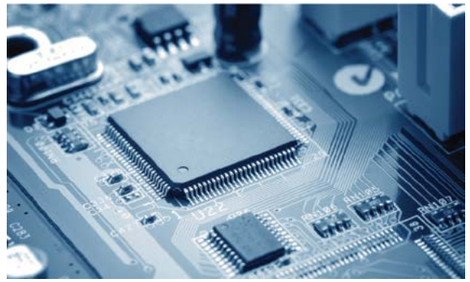
Main Course: Solar and Renewable Energy Engineering, Energy Conversion Systems, Numerical Methods in Heat Transfer, Energy Conservation in Thermal and Electrical Systems, Economics of Energy Engineering, Energy Audit and Management.

Elective: Process Reliability Engineering, Electrical Energy Systems and Management, Thermal Energy and Wind Energy Engineering, Energy Systems Modelling and Analysis, Management tools in Engineering Design, Energy Policies for Sustainable Development, Heat Transfer in Energy Systems, Safety Technology and Management, Emerging Refrigeration Technologies, Optimum Utilization of Heat and Power.

SIGNAL PROCESSING

Main Course: Linear Algebra, Probability & Random Processes, Multirate Signal Processing, DSP Algorithms & Processors, Estimation & Detection Theory, Adaptive & Nonlinear Signal Processing, Digital Image Processing.

Elective: Artificial Neural Networks, Wavelets: Theory and Applications, Pattern Recognition and Analysis, Biomedical Signal Processing, Machine Learning.



VLSI DESIGN & EMBEDDED SYSTEMS

Main Course: CMOS Digital Design, Embedded System Design, Embedded Product Design, VLSI Design Automation, Analog Integrated Circuit Design, Advanced Microcontrollers and Real Time Operating Systems.

Elective: System on Chip Design, MEMS and Microsystem Design, Advanced Digital System Design, Embedded Linux Systems, Low Power Digital Design.

RESEARCH PROGRAMS

Govt. Model Engineering College is the first engineering college in Kerala to be recognized by the Cochin University of Science and Technology (CUSAT) as a research centre in the branch of Electronics and Communication.

VLSI Design and Embedded Systems, Image Processing, Biomedical Engineering, etc., are some of the fields that are widely taken up for research in the college.

B.TECH PROJECTS

COMPUTER SCIENCE

Traffic and Pedestrian Analysis using Smartphones: The project utilizes smartphones to generate detailed maps of traffic flows, road quality and the density of pedestrians by analyzing GPS and Accelerometer data. The processed information is exposed to users in the form of a mobile application that gathers data in real-time, and thus helps in traffic regulation and city planning.

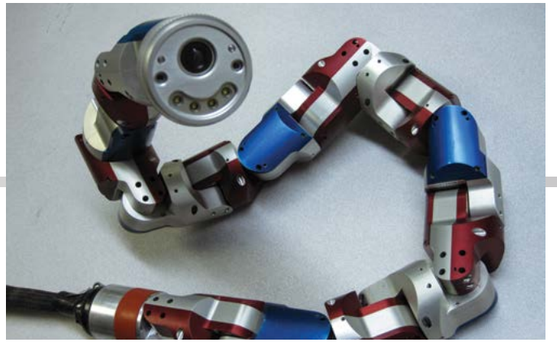
Technology(s) Used: Flutter, Python, PostGIS, PostgreSQL, Android Studio

Detecting Deceptive Behaviour using Video Analysis: The project intends to detect deceptive behaviour in humans by analyzing the visibility of 68 facial landmarks that are reflexive and intractable, and creates machine learning models that selectively extract the prominent attributes. A graphical user interface is built to provide an effective communication medium for the user.

Technology(s) Used: Computer Vision, Python, ReactJS, Flask

ELECTRICAL & ELECTRONICS

Distribution Line Protection using ANN: The project aims to detect and prevent faults in distribution lines using Artificial Neural Networks. The project applies Back Propagation Algorithm and Wavelet Transform for training the neural networks and the detection of current variations. The system is also cloud-linked for alerting the electricity board officials when a fault is detected.



Technology(s) Used: Wavelet Transform, FPGA Current Transformer, FPGA, SIMULINK

Modular Snake Robot: A Snake Robot is used in surveillance applications for difficult terrains or inaccessible sections, leaks or damages in industrial buildings and machines. The robot is designed with high flexibility and adaptability to move similar to a snake's motion. Appropriate sensors are used for obstacle detection and the robot can be controlled through a mobile application.

Technology(s) Used: Arduino Mega 2560, Servomotor, Ultrasonic Distance Sensor

ELECTRONICS & BIOMEDICAL

Speech Aid for Hearing Impaired Children: Developed a speech aid for the hearing impaired children. The lip gestures and laryngeal vibrations of the subject are recorded using cameras and microphones and these parameters are compared with those acquired from a normal person. A neural network is trained for the detection of the uttered word obtained from a hearing impaired child.

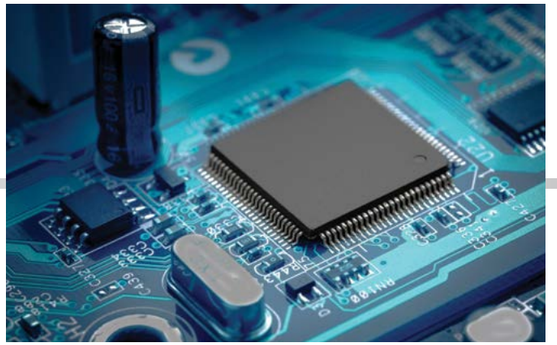
Technology(s) Used: Raspberry Pi 3, Audacity, Electret Condenser Microphone

CPR Monitor with Cardiac Output Analysis: The project aims to develop a monitor to reduce the mortality rate caused by ineffective CPR. A glove detects signals from the respondent's hand and a PPG sensor measures the cardiac output. The signals from the glove and the sensor are then correlated to obtain an effective CPR delivery rate.

Technology(s) Used: Eagle Software, Raspberry Pi 3, Wi-Fi Module ESP8266, A301 FSR

ELECTRONICS & COMMUNICATION

FPGA Based Convolutional Neural Network Accelerator: An FPGA based neural network accelerator was developed for low power applications with high computational tasks, such as embedded systems involving object classification. The project incorporates Layer Fusion, Pipelining, Loop Tiling and Winograd Algorithm. This architecture significantly improves the processing frame rate.



Technology(s) Used: Lenet-5 CNN, Zynq FPGA, Vivado HLS

GSM Band Mobile Antenna and its Parameter Measurement System: A compact planar antenna operating at GSM band was developed and modified by including vertical strips. The antenna positioner is interfaced to an automatic measurement software. One of the nulls in the monopole radiation pattern was excluded and made it suitable for various wireless communication devices.

Technology(s) Used: Ansoft HFSS, MATLAB, VNA Master MS2026C

M.TECH PROJECTS

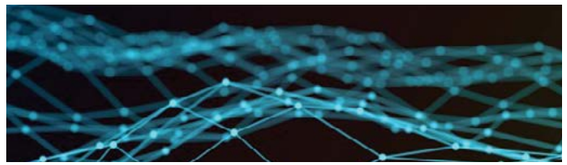
IMAGE PROCESSING

Fruit Disease Classification and Identification:
The project aims to develop a system for fruit disease identification and categorization based on the difference in colour, texture and shape feature combination. The fundamental procedures include image segmentation, feature extraction, feature combination, training and classification. The infected part of the fruit gets segmented using Threshold Segmentation algorithm and the extracted features are concatenated, resulting in a single feature vector. The fruit diseases are classified and distinguished by a multi-class support vector machine (MSVM) classifier.

Technology(s) Used: Color Coherence Vector (CCV), Machine Learning

Bogus Currency Recognition using LAB Color Space and Convolutional Neural Networks:
An image processing algorithm was developed which extracts the currency features such as watermark areas, strip lines or continuous lines and compares it with the features in the image of a real currency to detect the counterfeits.

Technology(s) Used: LAB Color Space, MobileNet Network, Convolutional Neural Networks



ENERGY MANAGEMENT

Numerical and Experimental Analysis of Finned Circular Pots in a Solar Cooker:
A mathematical model of the heat transfer processes involved in a box type solar cooker with inclined fins is developed and applied to a light-weight low-cost solar cooker. The concentrated sunlight is trapped and is converted into heat energy for cooking purposes. Energy balance equations are deduced from various components of the cooker and are solved using Newton-Raphson method. A comparison of temperature distribution is done and the optimum angle of inclination with the horizontal plane is found.

Technology(s) Used: Newton-Raphson Method, MATLAB, Solar Collector

Optimum Tilt Angle Calculation of a Solar Panel for Maximising the Energy Output:
The project aims to provide the optimum tilt angle of a solar panel for maximising the energy output with the increase in the latitude. The absorbed energy is transferred into a heat transfer fluid. SRG method is used to calculate the optimum tilt angle for the locations.

Technology(s) Used: Solar Radiation Geometry, Solar Panel

SIGNAL PROCESSING

Identification and Removal of Interference in Wind Profiler Radar using Notch Filter:
The project aims in effectively removing the interference bands generated in the Doppler spectra of ST radar signals using a notch filter. The developed filtering algorithm is applied to the Doppler power spectrum and original wind data is maintained.

Technology(s) Used: Radar, Butterworth and Notch Filters

Prediction Using ANN Analog and Hybrid Method:
The probability forecasts of weather and climate have greater potential economic value than corresponding single deterministic forecasts with uncertain accuracy. The primary goal of this project is to predict weather patterns with the help of an Artificial Neural Network. A prediction model is created and the Empirical Orthogonal Function gives eigen mode maps of variability and corresponding principal component time series for spatio-temporal data analysis.

Technology(s) Used: Artificial Neural Networks, NET CDF, NCTOOLBOX

VLSI DESIGN & EMBEDDED SYSTEMS

Memory Aware Global Scheduling for Multicore Processors (Embedded Systems):
The project addresses cache contention in the shared resources of SMT multicore processors. By using a global scheduling algorithm, the best matching task to work simultaneously in a core is found. This produces minimum cache miss rate and effectively schedules the task.

Technology(s) Used: LITMUS-RT, Xeon D-1548, EDF Scheduling

Multi-channel Data Acquisition and Ethernet Telemetry Scheme using FPGA (VLSI):
A high-frequency data acquisition system was implemented with high-speed internet telemetry using a slave peripheral and an ethernet subsystem on Artix-7 FPGA. Analog signal from multiple channels is connected to an evaluation card through a multiplexer, that is coupled to the A2D header on FPGA, then to the hard IP core and interfaced to the FPGA using XADC Wizard IP core. The data stored in the memory interface generates codes to execute an ethernet protocol and the received data packets are viewed using Wireshark.

Technology(s) Used: Artix-7 FPGA, LabVIEW GUI, Vivado

CLUBS & ACTIVITIES

Mixed Signals, run by the Electronics and Communication Department, is dedicated to developing the technical knowledge of the students to solve the complex challenges posed by the growing industry. The organization works steadily towards its mission to assist the students to attain the horizon of excellence by holding lectures, discussions and seminars.

FOSSMEC is a student endeavour to explore and contribute to the vast realm of Free and Open Source Software, thereby enabling the students to cope up with the highly demanding jobs. The members indulge in the promotion of collaborative culture on campus as well as in the society by conducting Workshops, Webinars and DevSprints.

IEEE MEC Student Branch is a professional organization committed to the pursuit of advancement and innovation in the field of technology. It aims to strengthen the technical and professional acumen of the students along with their networking skills by organizing top-notch events.

BioMedical Association was conceived with the goal of keeping the Electronics and Biomedical students at par with modern technology. The organization has orchestrated workshops and seminars in collaboration with high-profile companies such as Beckman Coulter, Stasis Labs, Philips Healthcare and GE Healthcare for the students to gain a better insight into the medical world.

The Institution of Electronics and Telecommunication Engineers (IETE) is India's leading professional society devoted to the growth and development of engineers in all disciplines. The forum acts as a catalyst in the overall growth of the students by encouraging them to attain greater heights through harnessing the best practices in educational innovation and corporate training.

WORKSHOPS

SEMINARS

The **Electrical Minds Forum (EMF)** aims to create a platform for the students of the Electrical and Electronics Department to showcase their ideas and to keep them at par with the latest technological innovations through hands-on workshops, interactive seminars and exhibitions. One of the major campaigns undertaken by the club is Project Urja, which brought electricity by means of solar energy to 25 families of a tribal village in Kerala.

To Humans, A Noble Acme Life (THANAL) is a novel initiative to rejuvenate the social obligations of the students through earnest ventures such as One-day-One-rupee collection and food packet distribution. Over the years, it has made a significant impact by uplifting the underprivileged sections of the society.

National Service Scheme (NSS) is constituted by an active group of students with a vision of establishing social conscience among the youth. It serves as a bridge between the society and the campus by organizing endeavours such as E-waste Management, Blood Donation Camps and Beach Cleanup.

Innovation and Entrepreneurship Development Cell (IEDC) is an active student-run cell under the guidance of Kerala Startup Mission to assist the students to bring their ingenious ideas into fruition. The association strives to promote and enrich a culture of innovation-driven entrepreneurship with the help of a distinguished pool of mentors.

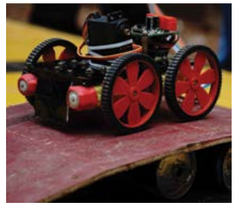
American Society of Mechanical Engineers (ASME) student chapter of MEC is supervised by the Centre for Energy Management Studies under the Mechanical Engineering Department. The organization moves forward with a clear vision of helping the global engineering community to tackle the challenges faced by the society through collaboration, knowledge sharing, career enrichment and skill development.

HIGHLIGHT EVENTS













Excel, the annual techno-managerial symposium of Govt. Model Engineering College, previously sponsored by **Publicis Sapient**, **Bosch**, **NeST** and **Litmus7** attracted youngsters into a realm of workshops and competitions. Breaking the cliche, the **21st edition** was shifted online with countless virtual events delivering technical breakthroughs of scholars into the spotlight.

Innovations for a Better Tomorrow (IBeTo) is a nationwide flagship initiative of Excel, imparting the right forum for flourishing designs to resolve society's most arduous obstacles. The three leading projects spanning from the control of epidemic spread to smart road technologies were awarded a prize pool of ₹1 Lakh and a chance to partake in the IEEE Humanitarian Activities Committee (HAC) Conference, 2021.

The BioMedical Expo, **CITTA**, enlightened enthusiasts in the field of medical devices by unveiling the latest technical advancements of **Cyrix Healthcare**, **Transasia Bio-Medicals**, **Rapid Diagnostics** and **Techsure Limited**. The conclave, also opened doors to a spectrum of talks by Shafeeque Busthan, a Research Scholar from NIT, Calicut and George Kuriakose, the Creator of Pappyjoe.

Under25, India's largest youth festival, hosted for the first time in Kerala, mesmerized the crowd by one on one interactions featuring dynamic and sensational teenagers from distinct backgrounds. Regardless of the circumstances, the summit continues to surge renewed optimism amidst spectators and captivate the youth through exhilarating virtual shows and contests.

In the wake of the pandemic, MEC Model United Nations organized their premiere **e-MUN**, yielding a virtual platform for scholars to propose notions on global issues and contribute to the COVID-19 relief efforts. The two-day forum, inaugurated by Anup Nair, MD of Martin Engineering, united delegates from across the nation to debate in the field of healthcare and politics.

The **4th edition** of **TEDxMEC** returned with a series of talks featuring inspiring individuals from all spheres of life including Ashwathy Venugopal, Co-Founder of Avasarshala, Ajit Sivaram, Co-Founder of U&I, Alaina G. Levine, Founder & President of Quantum Success Solutions, Aamir Ali Sultan, Singer & Composer and Oneal Sabu, Member of EatKochiEat.

HackforTomorrow, a 24-hour hackathon, formerly sponsored by **Litmus7**, **Nielsen** and **Paytm**, accorded ₹30,000 to entrants that delineated one's calibre in the fields of science, engineering and technology. The forum enabled the students to portray humanitarianism and explore path-breaking concepts, the best being a system to detect victims of extreme flood impact.

The online fundraiser, **Reach Out**, conducted in association with **SEED**, a non profitable organization, cherished the audience with a perfect blend of enlivening activities by luminaries. Amidst the crisis, the five-day campaign emerged to be a major milestone that united mankind to spread awareness and raised a total of ₹1.5 Lakh for COVID-19 victims across India.

MEC witnessed elite quizzing talents nationwide, battling out for the **13th edition** of **The Illuminati Quiz (TIQ)**, the curtain raiser of the Kerala Quizzing Circuit. The pursuit, held in memory of the late Sandeep Menon, alumnus and founder of The Illuminati Club, was hosted by Major Chandrakant Nair, bestowing its winners a cash prize of ₹1 Lakh sponsored by **Ansys**.

ProtEx, a Prototype Expo, uncovered the inventions of burgeoning start-ups in the field of Augmented Reality, Virtual Reality, Robotics and Biomedical Engineering. The exhibition, provided a platform for emerging enterprises to demonstrate the latest products and the youth to discern the leading technologies with the added opportunity to interact with an array of masterminds.

ALUMNI ACHIEVEMENTS

xMEC Meet 2019

The Founder of GNU/Linux distribution, **Slynux** and the author of the Linux Shell Scripting Cookbook, Sarath Lakshman of 2011 batch had his paper "Nitro: A Fast, Scalable, In-Memory Storage Engine for NoSQL Global Secondary Index" accepted for VLDB 2016.

The Founder and CEO of **ASIMOV Robotics** Jayakrishnan T of 2000 batch was honoured by Forbes India magazine as one amongst the top 31 entrepreneurs for creating innovative solutions to tackle the COVID-19 pandemic.

WeavedIn, a startup that focuses on the Retail Domain and F&B founded by Jacob Pattara of 2009 batch was acquired by one of the prominent e-commerce payment companies, **Paytm** in 2018.

Kiran Thomas of 1994 batch is the President of **Reliance Industries Limited** and has been at the forefront of navigating the company's digital life to new benchmarks. He is also the Director and Business Leader of **Reliance Jio**.

Faseela K of 2010 batch owns **16 patents** which include Improving SF Proxy Performance in SDN Networks, Service Based Intelligent Packet-In Buffering Mechanism for OpenFlow Switches by having variable buffer timeouts, among others.

ALUMNI

PAPPYJOE
ignitarium
fact weavers
FINISH FACTORY
headspin
BLACK PEPPER
vtrio
iProspect
clearlogix
wektra
niara
Tech Joint
ZIGHRA
dexlock
compile
ezeelogin
Markon Consulting
ATWIC R&D INNOVATIVE CREATIONS
HABER
INKONIQ
epsilon diagnostics
vitalxchange
DBAUX
KEYVALUE

STARTUPS

hashboosh
cardioInsight
fourth ambit
cucumbertown
WeavedIn
ASIMOV ROBOTICS
TEQZO
PERFIT FASHION
YOUR FIT . YOUR FASHION
Fresh to Home
aabora
FWD
Perleybrook LABS LLC
LOKYATA
SOT
JIFFY.ai
betasense
COGNICOR
CASUAL PUNCH
dockup
savemo
OREGON HEALTHCARE
AVASARSHALA
WOWMAKERS
objectmatics

Charu Ramanathan of 1995 batch is the Founder of **CardioInsight**, a startup which developed a non-invasive cardiac mapping system that maps the electrical activity of the heart. In 2015, **Medtronic** acquired the startup for a transaction value of around $93 million.

Bibin George of 1995 batch, the current Managing Director of **Accenture** is the Co-Inventor of US patents on Testing and Improving the Performance of Mobile Application Portfolios and Analyzing Event-Associated Connections.

Ashwathy Venugopal of 2014 batch is the Co-Founder of **Avasarshala**, a unique education management startup that won the People's Choice Award by Youth Co:Lab India 2020.

Rosh Cherian of 1996 batch is the Founder and CTO of **CogniCor Technologies**, a leading Artificial Intelligence based startup that won the Most Innovative startup award by European Union in the year 2012.

Robin Issac of 2006 batch received the CEO award for Customer Centricity and Innovation by **GE Healthcare** in 2014. He holds **5 patents** which include Patient Probe Dislodgement Alarm Sensing Utilizing Capacitive Touch Sense, along with others.

OUR REACH

IN THE LIMELIGHT

A model college for entreprer

Top honours for MEC in B.Tech. exam

THEY TOOK THE ROAD LESS TRAVEL

Several companies have descended on MEC in search of candidates.

MEC students beat pandemic blues, grab impressive offers

Record job haul by MEC graduates

Special Correspondent

KOCHI: The young techies of the 2013 batch of Model Engineering College (MEC) have done the institution proud, maintaining the impressive campus placement record of

try. Tata Consultancy Services made the highest number of offers at 83, followed by Wipro that offered 45 posts.

Professional networking site LinkedIn offered the highest pay package of Rs. 10 lakh. The average entry-level

edIn, Yodlee, Unisys, Verizon and Teradata," said Arjun Shenoy, student coordinator of the campus placement cell.

Sandeep Raju, placement cell student chairperson, said NVIDIA, makers of GeForce line of GPUs, had been vis-

he said. Students of th unique Electronics and Bi medical Engineering cours won job offers from compa nies including TriMedx. Th increase in the number of jo offers and recruiters indica ed a progressive trend in th

Science Day Fete MEC, Thrikkakar

Express News Service

Technical symposium

Government Model Engineering College will host the 15th edition of its technical symposium, Excel 2014, from September 25 to 27. The highlights of the event include TEDxMEC, an independent TED event, an open air concert by Baiju Dharmajan and Vidwan and

MEC students bag plum job offers

G. Krishnakumar

KOCHI: Young techies at the Model Engineering College (MEC) in Thrikkakara here maintained their impressive track record in campus placement with 31 companies mak-

ed to Cusat and functions under the Institute of Human Resources Development (IHRD).

There is good news for the best among the aspirants, as pay packets offered by companies are getting bigger. Microsoft offered the highest

there seems to be a resurgence in recruitment by the Indian IT industry.

Students of the B. Tech. Computer Science and Engineering branch won 136 preplacement offers while those pursuing the B. Tech Electronics and Communication

offers (150) for the

The companies the MEC campus time include Ittia (three offers), Re and SAP Labs (fiv the major core that offered plac clude Oracle (1

Students of MEC beat recession blue

90 % of the B.Tech. students get job offers

Staff Reporter

- Average salary offered was Rs. 3.75 lakh a ye
- Infosys made 46 offers while TCS made 30

Dutch students visit engg college

DC CORRESPONDENT

e-waste sale earns colleges over Rs

M.P. PRAVEEN

MONEY FOR THE GOOD

Model Engineering College, Thrikkakara Rs.5 lakh

Quantity sold 19,380 kg

MEC students get good placement offers

G. Krishnakumar

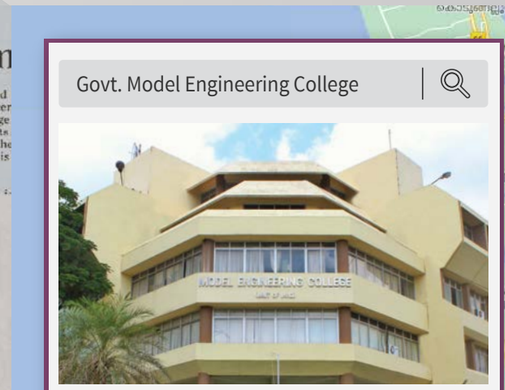
Innovators to share their experience

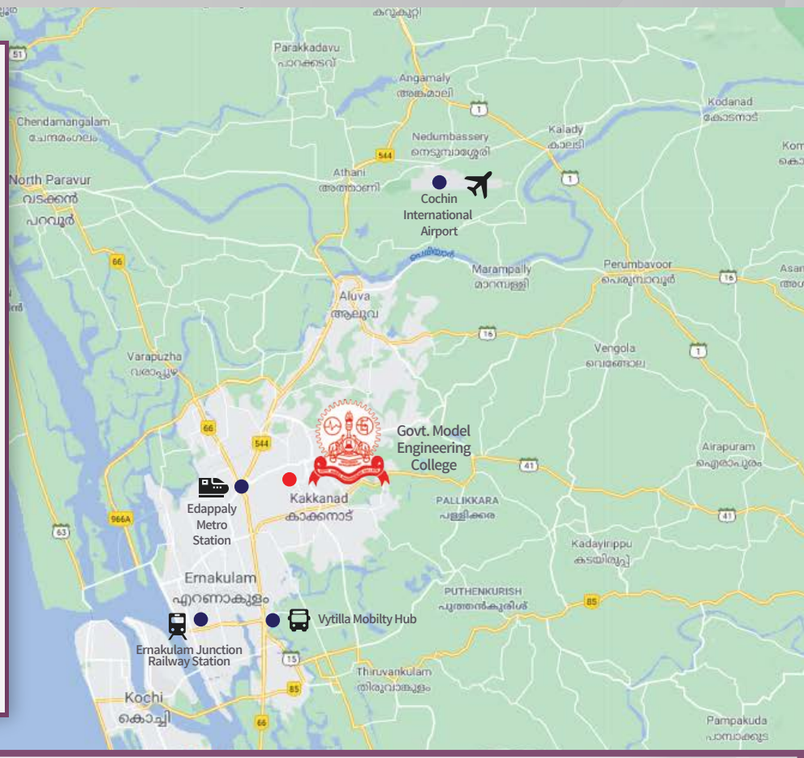
Staff Reporter

aims at motivating the student fraternity, to think big and different, and to follow

mation film director, popular for his work in the movie 'Taare Zameen Par', and Sree-

CONTACT US





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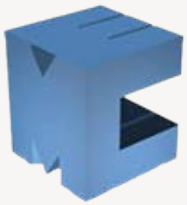

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