PLACEMENT BROCHURE 2023

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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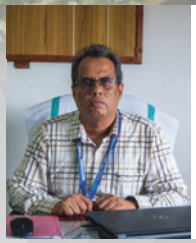
FOREWORD

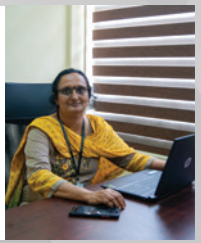


Govt. Model Engineering College has been one of the finest institutions in the state, providing exposure to the ever-evolving discipline of engineering. MEC has always conferred its aspirants with resources that are vital in yielding adept engineers with extensive practical knowledge. Moreover, a periodically revised curriculum coupled with the ceaseless efforts of our faculty renders an effective forum for cognition. The active involvement of students in technically and socially relevant events speaks volumes of their relentless pursuit to initiate change in the community. Over the course of their enriching campus years, the candidates are equipped with critical skills to overcome and triumph over any hurdle in life.

Dr. Jacob Thomas V, Principal

With its multifaceted ideal to encourage both technical and managerial expertise, Govt. Model Engineering College has made leaps and bounds in the field of science and technology. Our remarkable placement and internship records testify to the close relationship we nurture with the industry. The corporate outreach established over the years through various campus engagement programmes has paved the way to endless career opportunities. We inspire our students to forgo their inhibitions and realise their aptitude, transforming them into pragmatic engineers who are capable of addressing the perpetual demand of the industry. Furthermore, our alumni manifest these aspirations through their notable contributions to the society which have augmented with each graduating class.

Smt. Aparnadevi P S, Training and Placement Officer



TESTIMONIALS

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

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

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

"Keep up the good work."

"It was a highly fruitful experience."

"It was refreshing to see that the students were technically sound and confident. We will surely keep coming back again!"

ABOUT MEC

Govt. Model Engineering College, established in 1989 by the Government of Kerala under the management of IHRD (Institute of Human Resources Development) is acclaimed for its remarkable placement records and academic excellence. The institute, affiliated to APJ Abdul Kalam Technological University (KTU), offers five undergraduate and four postgraduate courses to students on account of their exemplary performance in the Kerala Entrance Examination and GATE, respectively. MEC also holds the distinction of being recognised as the first research centre under CUSAT.

RANKINGS

India Today — 3rd

India Today ranked MEC as **3rd** among the **Top Govt. Engineering Colleges** with the best value for money in India.

The Week — 30th

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

GHRDC — 7th

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

Dataquest — 17th

Dataquest featured MEC as **17th** amongst the **Top Govt. T-Schools in India**.

Outlook — 36th

MEC was featured **36th** among the **Top 100 Colleges** in India by Outlook magazine.

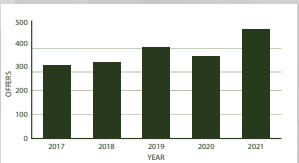
nirf — 251 - 300

MEC was ranked in the **251-300** rank band for **Engineering Colleges** by NIRF.

PLACEMENTS

Govt. Model Engineering College has a unique student coordinated Placement Cell that embodies a noble principle of 100% placements for the students. The cell has successfully coordinated on-campus and virtual recruitment drives, subsequently maintaining positive correlation with an array of industry leaders. The Training Cell plays a pivotal role in organising training programs to groom the students with skills and proficiency to meet the requisites of the corporate world.

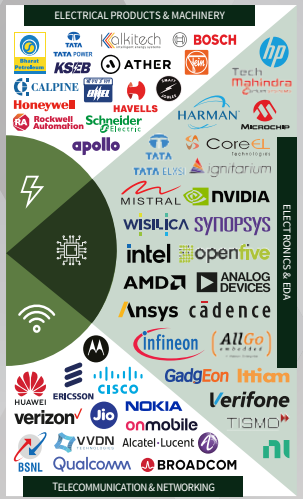
NUMBER OF OFFERS



PRE-PLACEMENT OFFERS

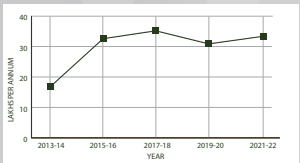
Deloitte. Google LinkedIn
SYNOPSYS Nielsen
Ansys Hyperface BROADCOM Paytm Myntra CRED
Curneu compile COGNICOR
FullContact ACCOLITEDIGITAL
intel arm tcs TATA CONSULTANCY SERVICES U·S·T

Perceiving the extensive benefits endowed by internships, the Placement Cell promotes internship culture among the students with utmost precedence. The past few years have witnessed substantial growth in the number of internships which has attracted many premier establishments to the campus. The students of MEC are keen to take up the summer internship programs that develop them into seasoned engineers accustomed with corporate work etiquettes.



INTERNSHIPS

TOP PAY PACKAGES



WORK IN MEC

The students of MEC are pioneers in their own fields, aspiring to leave a mark at every step of their journey. They have demonstrated their prowess by working on industrial level projects with great finesse and dedication. Work in MEC is a venture undertaken by the Placement Cell to obtain projects outsourced by companies, hence offering them a platform to scale their abilities.

HONOURS & ACCOLADES

SafeNet, an innovative project designed by Steve Jacob and Adithya Anilkumar of the 2023 batch which focussed on the creation of a virtual network of safety volunteers was nominated as one among the top 50 solutions in the **Google DSC Solutions Challenge**.

Twitter DevelopHER, a two-day mentorship programme that intends to promote women passionate about technology, innovation and business, selected Annu Jolly and Gayathri Venu of the 2022 batch among thirty remarkable candidates from all over the nation.

LifeBoat, a project developed by Muhammed Razeen of the 2023 batch was recognised as one of the top 50 ideas for **ZS PRIZE** by ZS Associates. The mobile application-based project aimed at offering help to those dealing with mental health issues.

AnitaB.org presented the **Grace Hopper Scholarship** to 17 scholars from the 2022 and 2023 batches. The virtual conference provided a platform for the students to nurture their skills and aspirations by partaking in workshops and career fairs.

A stellar duo of the 2023 batch earned the first runners up position in **SIGNIA**, a comprehensive training programme and hackathon by the **IEEE Signal Processing Society**, for developing a robot that provided assistance to senior citizens.

Millennium Campus Network and the **UN Academic Impact**, selected 30 students of MEC for the semester-long leadership development programme aimed at realising the United Nations Sustainable Development Goals.

Anagha Sivadas and Gayathri Venu of the 2022 batch were conferred the opportunity to participate in **Microsoft Engage**, a student mentorship programme that provided curated learning sessions and glimpses into the corporate work standards established by the company.

An RFID embedded ring used for retrieving emergency medical information, developed by a team of five students from the 2023 batch bagged the first prize in the **IEEE Embedded Challenge** organised by the RFID Council and SAC of IEEE Kerala Section.

A techie of the 2023 batch was accorded the first place in the **Cisco Webex Hackathon** for the design and development of ZeW-IT, an automated waste segregation and management system that can be adopted in cities with a well-managed infrastructure.

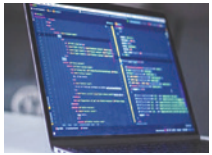
Khushi Bharat Kumar Shah of the 2023 batch received the golden opportunity to attend the **Harvard WECode Tech Conference**, one of the largest student-run women-in-tech conferences that aims to foster a network among engineers.

A group of talented students of the 2021 batch were awarded a fund of over **10,000 USD** by the **IEEE Humanitarian Activities Committee** for developing three innovative projects with the potential to enhance the healthcare sector.

DreamsToReality contest conducted by Sony Research India nominated Jagan Jacob, an M.Tech student of the 2022 batch as one of the finalists for developing an audio inpainting tool used for recovering distorted data.

B.TECH COURSES

COMPUTER SCIENCE



Computer Science Concepts: Computer Organisation and Architecture, Data Structures, Algorithm Analysis and Design, Object Oriented Programming, Operating Systems, Database Management Systems, Compiler Design, System Software, Management of Software Systems, Computer Networks, Graph Theory, Artificial Intelligence, Computer Graphics and Image Processing.

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

Program Electives: Machine Learning, Data Analytics, Natural Language Processing, Cryptography, Cloud Computing, Blockchain Technologies.

Electronics: Logic System Design, Digital Electronics, Microprocessors and Microcontrollers, IoT and Applications, Electronic Hardware for Engineers.

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

Labs: Data Structures, Object Oriented Programming, Operating Systems, Database Management Systems, Compiler Design, System Software and Microprocessors, Network Programming, Digital Circuits.

ELECTRONICS & BIOMEDICAL

Biomedical: Biomedical Instrumentation, Biomechanics, Principles of Radio Diagnosis & Radiotherapy, BioMEMS, Medical Imaging Techniques, Artificial Organs & Implants, Design of Biomedical Devices, Analytical & Diagnostic Equipment, Therapeutic Equipment, Biomedical Signals & Transducers, Nanotechnology, Modelling of Physiological Systems, IoT and Biomedical Applications, Telemedicine, Computational Methods in Biomedical Engineering, Biophotonics, Medical Informatics, Biostatistics.

Electronics: Integrated Circuits and Systems, VLSI Design, Signal Processing, Design of Logic Circuits and Systems, Control Systems, Power Electronics, Network Analysis.

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

Computer Science: C Programming, Image Processing, Artificial Neural Networks, Deep Learning, Computer Programming Techniques.

Labs: Medical Systems, Bioengineering, Biomedical Signal Processing, Medical Electronics, Microcontrollers, Linear Integrated Circuit, Logic Circuits, Electronic Devices & Circuits.

ELECTRONICS & COMMUNICATION

Electronics and Communication: Linear Integrated Circuits, Digital System Design, Analog and Digital Communication, Wireless Communication, Antenna and Wave Propagation, Digital Signal Processing, Digital Image Processing.

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

Computer Science: C Programming, Machine Learning, Computer Architecture, Information Theory and Coding, Computer Communication.

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

ELECTRICAL & ELECTRONICS

Electrical: Circuits and Networks, Control Systems, Electrical Machines and Instrumentation, Electrical System Design, Power Electronics, Power Systems, Electromagnetic Theory, Electric Vehicles.

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

Computer Science: Operating Systems, 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: Solid and Fluid Dynamics, Metallurgy and Material Science, Fluid Machinery, Industrial and Systems Engineering, Thermal Engineering, Design of Machine Elements, Mechatronics.

Electrical: Hybrid and Electric Vehicles.

Computer Science: Computer Aided and Machine Drawing, Computer Aided Design and Analysis, Robotics and Automation, Optimization Techniques.

Labs: Machine Tools, Thermal Engineering, Material Testing, Fluid Mechanics and Hydraulic Machines.

M.TECH COURSES

IMAGE PROCESSING

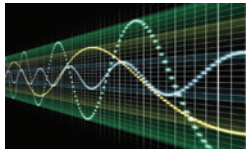
Main Course: Advanced Digital Image Processing, Computer Graphics & Volume Visualization, Computer Vision, Pattern Recognition, Advanced Data Structures and Algorithms, Mathematical Foundation for Computer Science.

Elective: Advanced Data Mining, 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, Soft Computing, Embedded Systems and Applications, Social Network Analysis.

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, HVAC, Thermal Energy and Wind Energy Engineering, Energy Systems Modeling and Analysis, Management tools in Engineering Design, Energy Policies for Sustainable Development, Heat Transfer in Energy Systems, Safety Technology and Management, Thermal Energy Storage Systems, 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, High Speed Digital Design, Advanced Digital System Design, Embedded Linux Systems, FPGA Architecture and Applications.

RESEARCH PROGRAMS

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

VLSI Design and Embedded Systems, Image Processing and Biomedical Engineering are some of the fields where extensive research is conducted.

B.TECH PROJECTS

COMPUTER SCIENCE

Game Engine using OpenGL: The project intends to design a cross-platform modular game engine using OpenGL as its graphic driver that can be utilised to create video games for Android and iOS devices. The engine supports the latest APIs by integrating their source files and it also features standard technology to satisfy the demands of the users.

Technology(s) Used: C++, OpenGL, OpenAL, Visual Studio Code

Data Structures and Algorithms Visualisation: The project focuses on the development of a visualisation tool to acquaint the students with Object-Oriented Data Structures. This system uses OPT+ graph, a web-based program visualiser to generate coherent illustrations of Data Structures and a calculator to determine the time and space complexity of the code.

Technology(s) Used: ReactJS, HTML, CSS, JavaScript, React SVG D3, OPT+ Graph

ELECTRICAL & ELECTRONICS

Telepresence Robot for Crack Detection in Boilers: The project intends to develop a robot that enables users to experience a remote environment using telepresence. The robot is capable of climbing boiler surfaces, performing precise calculations and collecting data in hazardous spaces where human efforts are inefficient. The operator can control the module on a smartphone by implementing IoT and Virtual Reality.

Technology(s) Used: Raspberry Pi 3B+, L293D Motor Driver, ATmega2560

Inflatable Motorcycle Jacket: The project predicts the fall of a driver during an accident by monitoring the gyroscope and accelerometer readings. A processor triggers the gas cartridge if the readings exceed the threshold to inflate the jacket. The GSM and GPS modules can send the location to emergency services and contacts, thereby increasing the chances of survival of the user.

Technology(s) Used: Raspberry Pi 4, SIM800L, MPU 6050

ELECTRONICS & BIOMEDICAL

Automated Covid Screening System Using Non-Contact Measurement of Body Parameters: Developed a non-contact measurement system for vital body parameters using real-time video acquisition and image processing. The automated system placed at the entrance of a crowded area used infrared thermography and machine vision for screening people entering into the area without the risk of exposure.

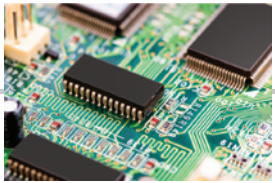
Technology(s) Used: C++, Microsoft Visual Studio, MATLAB, KLT Tracker

Hand Exoskeleton for Stroke Rehabilitation: The project aims to restore muscle functions artificially in patients suffering from multiple sclerosis and stroke. A model consisting of pneumatic pressure-based gloves with finger sensors on the affected arm and EMG sensors on the unaffected arm was programmed through bilateral rehabilitation to stimulate different hand positions .

Technology(s) Used: Spyder, Blender, Raspberry Pi, PuTTY

ELECTRONICS & COMMUNICATION

Watchdog Timer and Brownout Detector for Safety-Critical Applications: A highly robust system incorporating a watchdog timer was designed to increase reliability by reverting to a safe state during the occurrence of an error. A brownout detector monitors the fluctuations in power supply and initiates the recovery sequence, giving the processor sufficient time to prevent failures.



Technology(s) Used: ATMEGA256, Xilinx Vivado, Watchdog Fail Detector, BOD Comparator

Fleet Management of Indoor Autonomous Robots: The project presents the design of an Autonomous Mobile Robot (AMR), that manages the protocols for fleet management (FM) by integrating frameworks such as ROS, MQTT and Cloud Platform. FM is achieved by scaling the end-to-end communication between the user and the AMR using an IoT platform.

Technology(s) Used: Jetson Nano, Kaa IoT platform, ROS

M.TECH PROJECTS

IMAGE PROCESSING

Face Spoofing Detection using FeatherNets:
The project intends to supplement face verification systems used for user authentication with robust anti-spoofing algorithms. Further to detecting faces using Viola Jones algorithm, the images are tested with the saved FeatherNet model and a classifier is developed to discriminate between genuine and fake faces. The system, which was tested and verified by applying several use cases, finds use in a wide range of applications such as Information Security and Surveillance, Access Management, Personal Security and Criminal Justice System.

Technology(s) Used: FeatherNets, Local Binary Pattern, Spyder

Facial Image Inpainting based on Perceptual Generative Adversarial Network:
A perceptual generative adversarial network for image generation and inpainting was developed which can synthesise images with perpetual reality along with making a good prediction of the corrupted ones by using their encoded patterns.

Technology(s) Used: Deep Learning, Spyder, GAN, Flask

ENERGY MANAGEMENT

Hybrid Energy Source Powered Smart Electric Bike:
The project aims to develop a hybrid e-bike that harnesses electrical energy from a roof mounted solar panel. A DC generator attached to the rear wheel develops an output voltage, thus ensuring continuous charging of the battery and improved mileage. A pulse sensor ensures that the e-bike switches to electric mode if the heart rate of the commuter exceeds the safe limit in order to reduce exertion in physically challenged individuals. Smart features such as USB charging, Smart Lock Controller and a GPS based theft detection system are incorporated in the design.

Technology(s) Used: PMDC Motor, NEO-6M GPS Module, ATmega328P, ESP8266

Seawater Electrochemical Power Generating Source:
An electrochemical seawater battery was developed to provide continuous underwater power supply. The battery carries out electrochemical reduction of seawater using a Magnesium alloy electrode and employs a power conditioning circuit to generate a stable output voltage.

Technology(s) Used: LTC 3105, Supercapacitor, LTspice

SIGNAL PROCESSING

Deep Learning based Computer Vision System for PCB Defect Detection:
A high performance object detection algorithm based on the advanced Faster R-CNN model under Detectron2 framework was put forward to locate and classify the defects in PCB. The trained model config files were deployed to the machine using Raspberry Pi.

Technology(s) Used: Raspberry Pi, Deep Learning, PyTorch, Keras Tuner, CUDA

Custom Yolo Based Barnacle Fouling Detection and Performance Comparison with Haar Cascade Classifier:
The project proposed a deep learning method called Custom Yolo V4 model for the real time detection of marine fouling known as barnacle mainly found in Remotely Operated Underwater vehicles (ROV). A comparison experiment was conducted between Yolo V3, Yolo V4 and Haar Cascade for computing the detection accuracy which depends on the colour of water, visibility and mAP. The suggested method helps to detect the barnacles fouling in a short span of time with mAP of 90%.

Technology(s) Used: Haar Cascade Classifier, Yolo V3, Yolo V4, Python

VLSI DESIGN & EMBEDDED SYSTEMS

Memory Interface Implementation for POSIT based Digital Beamformer:
The memory interfacing of DDR3 SDRAM and Quad SPI Flash memory with the kintex-7 FPGA board for the POSIT-based digital beamformer aids understanding of POSIT arithmetic, which is a replacement for fixed-point and floating-point arithmetic. The beamformer architecture is based on Delay and Sum values, and Fine and Coarse Delay.

Technology(s) Used: Xilinx Vivado, Kintex 7 FPGA

Verification of IP for ACE Protocol:
The project aims to improve performance in multi-processor systems by moving software-based cache coherency management into hardware and also minimizes cache misses in order to improve both performance and power consumption. Every off-chip main memory access consumes much greater power versus a cache hit and further the process cycles are wasted while waiting for the off-chip data. The project provides a mechanism to overcome these problems and also manage the changes that are made in the system to avoid the creation and management of invalid data.

Technology(s) Used: Xcelium Simulator, Simvision, Makefile

CLUBS & ACTIVITIES

Mixed Signals is a community for the students of the Electronics and Communication department that aims to equip its members with the right blend of academic and technical skills essential to prove their mettle in the corporate sphere. The club regularly conducts workshops, seminars and other activities to acquaint the students on the latest technological trends.

Developer Student Club (DSC) is an association that focuses on enhancing interest in Google developer technologies among the students. Technical conferences and training programmes conducted by the club provide students the perfect platform to strengthen their fundamentals with the help of a peer-reviewed learning environment.

IEEE MEC SB is the college chapter of the world's largest professional organisation, that is dedicated to advancing the knowledge of students in Electrical, Electronics and similar disciplines by hosting technical talks, skill development workshops and educational programmes.

National Service Scheme (NSS) is a voluntary association of young minds, with a vision to inculcate civic sense and foster a spirit of social obligation among the students. The volunteers work towards the mission of serving the community through ventures like blood donation camps and beach cleanup campaigns, thereby developing the students into responsible social leaders of the future.

The Institution of Electronics and Telecommunication Engineers (IETE) is a professional society that focuses on the scientific advancement of engineers in the field of information and communications technology. The organisation, led by a group of proactive students aids the overall growth and development of its members by leveraging their talents, thus enabling them to achieve the pinnacle of success.

WORKSHOPS

Flutura, Microsoft, salesforce, B BRAUN, GitHub, Infineon, INKER ROBOTICS, SYNOPSYS, Delphi MICROCHIP Technologies, FullContact, BlackBerry, GDG

SEMINARS

QBurst, vmware, SAMSUNG, BOSCH, BECKMAN COULTER, intel, STASIS, PHILIPS, GadgEon, Ansys, TEXAS INSTRUMENTS, BROADCOM, SIEMENS Gamesa, Adobe, Baker Hughes

The Electrical Minds Forum (EMF) is an association which aims to familiarise the students of the department of Electrical and Electronics with the recent technological advancements in the industry by organising hands-on workshops and lectures. Project Urja, one of the notable initiatives by the club, gained recognition for providing electricity to 25 families of a tribal village in Kerala using the power of solar energy.

BioMedical Association (BMA) is an organisation that strives to strengthen the technical prowess of the students of the Electronics and Biomedical department. Events conducted in association with companies like Philips Healthcare, GE Healthcare and Stasis Labs enable the students to get acquainted with the major developments in the medical field.

Innovation and Entrepreneurship Development Cell (IEDC) is a student-run organisation under the aegis of the Kerala Startup Mission that aims to promote entrepreneurial culture among its members. The association provides an ideal environment for the students to transform their innovative ideas into reality.

To Humans, A Noble Acme Life (THANAL) is the social welfare club of the college which aspires to ignite a sense of communal responsibility among the youth. The student body works for the upliftment of the weaker sections of society through the conduct of noble initiatives like One-day-One-rupee collection and food packet distribution.

American Society of Mechanical Engineers (ASME) is a multidisciplinary engineering society supervised by the Centre for Energy Management Studies under the Mechanical Engineering department. The association is renowned globally for organising professional development programmes and technical symposiums to embolden and equip the students to face the current social challenges.

HIGHLIGHT EVENTS

Excel, the annual techno-managerial fest of Govt. Model Engineering College emboldens budding youngsters to "**Inspire**, **Innovate**, **Engineer**" and mould themselves into socially responsible citizens. The 22nd edition of the three day conclave sponsored by **NeST** and **Cochin Shipyard**, unfolded before the enthusiasts a blend of virtual events like hackathons, technical competitions, talk sessions and social initiatives.

Innovations for a Better Tomorrow (IBeTo) is the national flagship event of **Excel**, that encourages young and avid minds to resolve social dilemmas. The winners were extended a prize pool of ₹1,00,000 together with a fellowship from **Pehia**, a non-profit organisation that works to develop inclusivity in the STEM field for putting forward solutions on climate change, quality education and gender equality.

Technopreneur is an annual entrepreneurial symposium organised by **IEDC MEC**. The virtual event hosted in the presence of industry veterans like Kris Gopalakrishnan, Co-Founder of Infosys, Shan Kadavil, CEO and Co-Founder of FreshToHome Foods among others, saw an influx of participants engaging in a plethora of competitions like idea pitching, prototype development and hackathons.

CITTA, the Biomedical Expo, provided an ideal platform for inquisitive minds to expose themselves to the technological advancements of **Cyrix Healthcare**, **Transasia Bio-Medicals** and **Rapid Diagnostics**. The enthralling expo that comprised talks from Shafeeque Busthan, Research Scholar from NIT Calicut and George Kuriakose, Creator of Pappyjoe, shined light on the advancements in diagnostic technology and medical devices.

HackforTomorrow, sponsored by **NeST**, was a 24-hour hackathon that assembled technophiles to ideate, generate and implement feasible outcomes for socially relevant problems. With myriad lines of code and a tenacious will to succeed, The Goodwill Chain project, a decentralised NFT marketplace that assists individuals and organisations in fundraisers, seized the pinnacle position along with a cash prize of ₹10,000.

The 14th edition of **The Illuminati Quiz (TIQ)** conducted under the patronage of **Ansys** was the curtain raiser of the Kerala Quizzing Circuit, held in the memory of the Late Sandeep Menon, alumnus and founder of the Illuminati Quiz Club. The nationwide talent contest that intends to foster quizzing tradition was hosted by Major Chandrakant Nair and proffered a cash prize of ₹50,000 for the winners.

Tech-Aid was an informative virtual conference organised to enlighten the students on the recent developments in the field of healthcare by utilising modern technology. The session assembled many esteemed professionals from organisations like **GE Healthcare**, **Pfizer**, **Asimov Robotics** and **Capgemini** who engaged the audience with their insights on Gene Therapy, Vaccine Technology and the role of AI in Healthcare.

In the wake of the pandemonium that ensued the COVID-19 outbreak, **.Issue!** brought to centrestage, the critical repercussions of "Brain Drain in the Medical Sector". The event set up a forum for youngsters and experienced professionals to exchange their thoughts and expand their perspective on the formidable challenges awaiting the healthcare infrastructure in the post-pandemic world.

Embrace was an online fundraiser conducted by **Excel** in association with **Child Rights and You**, a non-governmental organisation to raise awareness and support for child rights and welfare. The 2-month long campaign that displayed an array of entertainment programmes and open mics spread a beacon of goodwill by amassing an amount of ₹1.4 Lakh for educating underprivileged students across the nation.

With an aim of spreading awareness on the LGBTQ movement, **Loud n Queer** was a forum that promoted a discourse on the struggles and stigmas faced by the rainbow community. The social initiative featured a video series and talk sessions with queer activists and allies who educated the audience on their role to advocate for gender reforms and empowered them to vouch for a queer-friendly society.

ALUMNI ACHIEVEMENTS

xMEC Meet 2019

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

Jayakrishnan T, the Founder and CEO of **ASIMOV Robotics** was recognised as one among Forbes India magazine's top 31 entrepreneurs for his formidable efforts in creating solutions to tackle the COVID-19 pandemic.

Rajaneesh Kini of the 1998 batch was promoted as Senior Vice President and Chief Technology Officer of **Cyient**, an Indian multinational company that focuses on global engineering and technology solutions.

Jayesh Ullathil of the 1998 batch is designated as the General Manager for India by **InMobi**, an Indian multinational mobile advertising technology company. He is also part of the Asia Pacific leadership team of the enterprise.

Shan Kadavil of the 1999 batch is the CEO and Co-Founder of **FreshToHome**, India's most reputable online retailer of fresh fish and meat. He was recently featured in the 9th edition of **ET Now Leaders of Tomorrow**, an initiative that honors Entrepreneurships and Startups.

ALUMNI

PAPPYJOE
ignitarium
fact weavers
Polkadex.
BLACK PEPPER
FINISH FACTORY
iProspect
ANTLER
peppertalk
Meet Resume
aviyel
compile
dexlock
Markon Consulting
BIKES4SALE
HURUN INDIA
Fayette Innovations
HABER
epsilon
INKONIQ
clear
cleartax
joobilant.
ADMOD
vitalxchange
KEYVALUE

STARTUPS

WOWMAKERS
cucumbertown
cardioInsight
SecurityAdvisor
hashboosh
niara
JOMER
SOLWEARTH
SOT
aabora
Perleybrook
WeavedIn
fresh to Home
PUNCH
COGNICOR
dockup
YE STACK
JIFFY.ai
FLOW
nirvana
MS MEDICAL SOLUTIONS
AVASARSHALA
SNAP2INSIGHT
STAKOUE

Faseela K of the 2010 batch has played a key role in over **30 inventions**, including a research work on efficient network address translation in cloud networks and service based intelligent packet-in buffering mechanism for openflow switches and is the recipient of **10 US patents**.

GE Healthcare presented Robin Issac of the 2006 batch with the CEO award for Customer Centricity and Innovation. He holds the honor of **5 patents** including Patient Probe Dislodgement Alarm Sensing Using Capacitive Touch Sense.

Vipin Raghavan of the 1997 batch is the CEO and Co-Founder of **Haber**, a start-up building artificial intelligence (AI) based robots that has raised a $20 million venture driven by Rising Capital.

CRISIL Limited appointed Maya Nair of the 1993 batch as Director and Chief Information Security Officer. She is a Certified Information System Auditor and has tremendous involvement as an industry-recognized Information Security Practitioner.

WeavedIn, a firm that innovates transactions in the retail industry founded by Jacob Pattara of the 2009 batch, was acquired by E-commerce giant **Paytm** in 2018. He is also the Co-Founder of **Aviyel**, a community driven monetization platform for Open Source Projects.

OUR REACH


SAP
Progress
thoughtworks
MathWorks
citrix
ZOHO
ORACLE
compile
Red Hat
intuit
BigBinary
NEOITO
AUTODESK
McAfee
Metric
ATLASSIAN
GENESYS
Couchbase
SOPHOS
PEGA
Tally
Adobe
esri
gojek
ebay
amazon
technicolor
NOKIA
ALTIOSTAR
Walmart
SWIGGY
Razorpay
Walt Disney
ARISTA
Myntra
redBus
Rakuten
zomato
RUBY SEVEN STUDIOS
airtel
CRED
Star
BBC NEWS
ERICSSON
cisco
BROADCOM
PayPal
Uber
VERSE
Alcatel·Lucent
expedia group
motorola
HUAWEI
TISMO
BSNL
VVDN
NTT
verizon
Verifone
NXP
COMCAST
Jio
Qualcomm
Telstra
ignitarium
SanDisk
DIGITAL CORE DESIGN
MEDIATEK
juniper NETWORKS
SAMSUNG
Incture
Infinera
GadgEon
TATA
TATA ELXSI
MICROCHIP
SFO TECHNOLOGIES
AllGo embedded
Ittiam
Kimball Electronics
synaptics
SIEMENS
Ansys
SYNOPSYS
cadence
Mu Sigma
WISILICA
KPIT
dexlock
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MAERSK
CoreEL TECHNOLOGIES
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fractal
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sunsati
Nielsen
Burst
SUBEX
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Mindtree
terawe
SOTI
Prevalent AI
Infosys
vanenburg
QUEST
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CGI
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ThinkPalm
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nissan digital
KEYVALUE
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HCL
Fingent
cognizant
marlabs
Manhattan Associates
TERRIFIC MINDS
Capgemini
aspire SYSTEMS
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FLYTXT
ACTIOTECH
UNISYS
Infoview
accenture


vmware
NUTANIX
headspin
AMADEUS
IBM
INMOBI
Meta
NetApp
Google
LinkedIn
aws
servicenow
Xactly
yahoo!
Microsoft
salesforce
Akamai
paloalto NETWORKS
twilio
BYJU'S
BlueJeans
esper
yelp
infor
ANALOG DEVICES
mobiveil
Rambus
BOSE
SONY
capillary
openfive
intel
NVIDIA
GARMIN
Kalkitech
Tech Mahindra
AMD
TEXAS INSTRUMENTS
APEX
Roku
YOKOGAWA
smarter grid solutions
arm
SIEMENS
Gamesa
DELTA
HARMAN
Infineon
hp
APPLIED MATERIALS
DELL
Rockwell Automation
BAJAJ
Abbott
Baxter
NOVARTIS
Baker Hughes
Medtronic
BPL
Medical Technologies
TRIVITRON HEALTHCARE
BECKMAN COULTER
qure.ai
AGAPPE
Cerner
ZF
WABCO
Roche
TRANSASIA
Fisher & Paykel HEALTHCARE
PHILIPS
SKANRAY
JAGUAR
Ford
ZEISS
Johnson&Johnson
everlife
CPC Diagnostics
AlphaNodus
CARESTACK
IQVIA
BOSCH
ORTHOFIX
PRIDEX
Zifo
CATERPILLAR
Goldman Sachs
ADP
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TOYOTA BOSHOKU
Valeo
Continental
StanleyBlack&Decker
EY
Vanguard
Deloitte.
VISA
HITACHI
Hero
BARCLAYS
McKinsey & Company
P&G
TATA
pwc
DANAHER
Unilever
AON
Allianz
ZS
FACTSET
DE Shaw & Co
Honeywell
Reliance Industries Limited
WELLS FARGO
Deutsche Bank
COGNIZOR
TIAA
Scotiabank
Bloomberg
publicis sapient
Exor
genpact
THOMSON REUTERS
ENVESTNET
FINASTRA
Capital One
standard chartered
citibank
HSBC
DBS
Fidelity
Morgan Stanley
KPMG
JPMORGAN CHASE & CO.
BlackRock
S&P Global
ibssoftware
FEDERAL BANK

A model college for entrepre

Top honours for MEC in B.Tech. exam

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 cour... won job offers from comp... nies including TriMedx. Th... increase in the number of jo... offers and recruiters indica... ed a progressive trend in th...

Several companies have descended on MEC in search of candidates.

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. Micro-soft 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 pre-placement 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 (I...

Students of MEC beat recession blue

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

Dutch students visit engg college

e-waste sale earns colleges over Rs

MONEY FOR THE GOOD

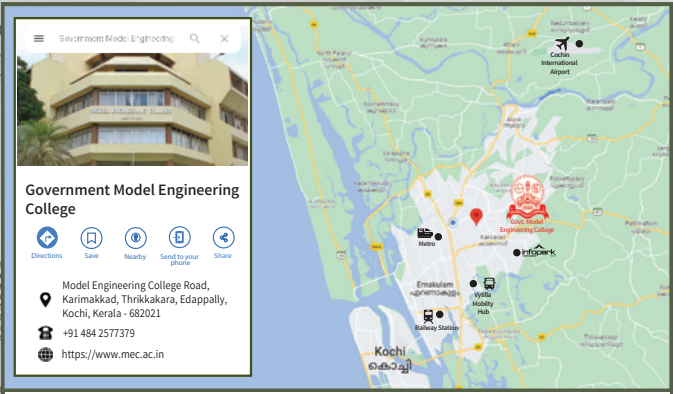
MEC students get good placement offers

G. Krishnakumar

...novators to share their experience

...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-...



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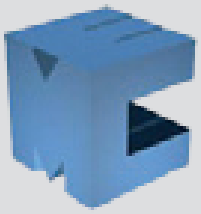

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