PLACEMENT BROCHURE 2021

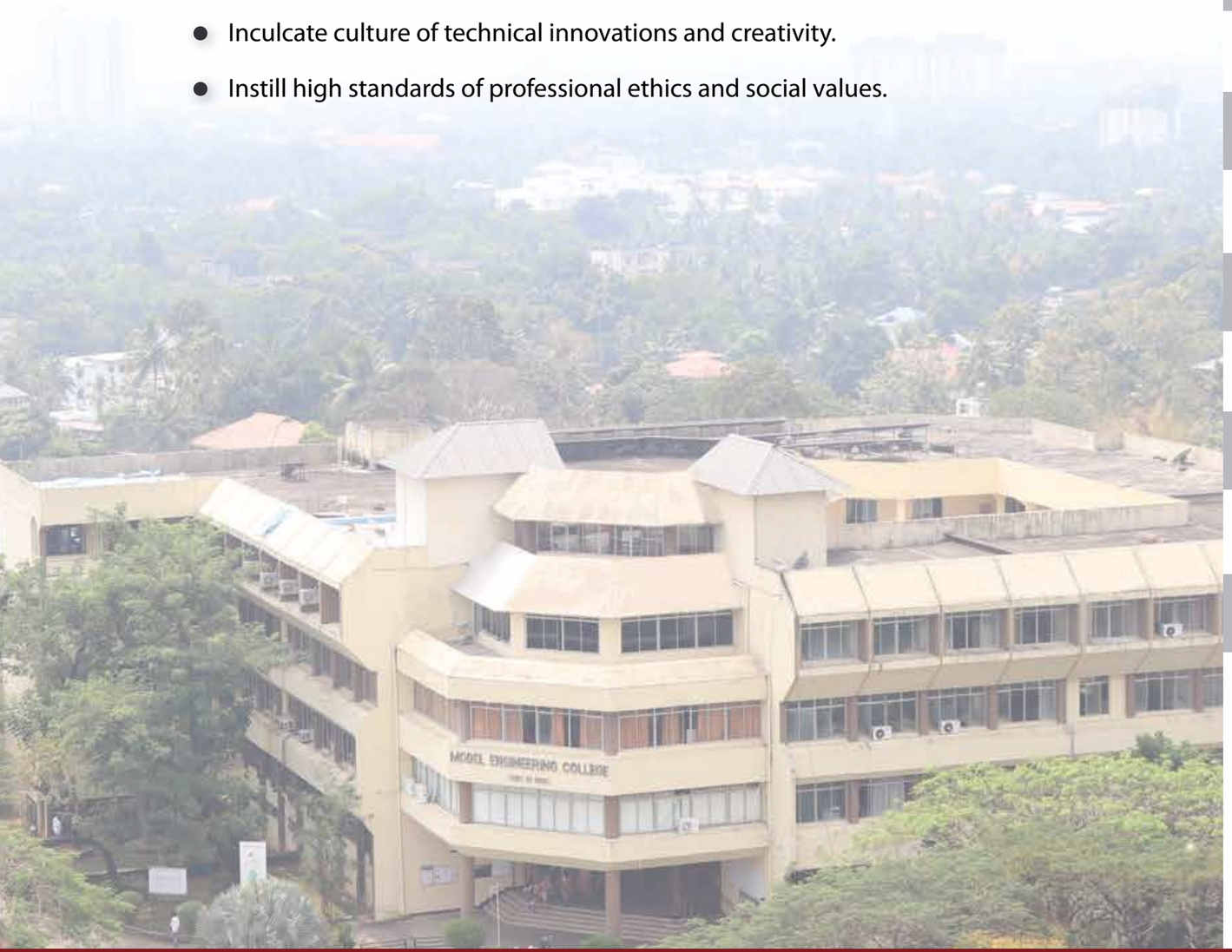
Govt. Model Engineering College

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

From the very outset, Govt. Model Engineering College has set the bar high in the field of engineering education and student quality. MEC consistently adheres to the latest advancements in technology and management, thereby retaining its prominence in the corporate sector. We constantly upgrade our resources to provide an ample environment for students to nurture their potential. Our college also maintains a refined faculty panel with contemporary teaching methodologies, backing students with the brilliance of scientific knowledge and technical skills. Undoubtedly, the relentless efforts put forth by the students, faculty and alumni serve as the feat of strength for all endeavours.

Dr. Vinu Thomas, Principal

The prime facet that invokes young engineers and established companies to be part of Govt. Model Engineering College is its ace in both technical initiatives and placement records. MEC has also been featured well-high for its student contributions in scholastic and non-scholastic activities. Moreover, the prolonged endeavours of our alumni has helped the college expand its horizon in the corporate world. Versed in professional competence and pragmatism, our scholars have received real-world applicational experience and high-end industrial exposure. Thence, MEC nurtures a skilled workforce with the calibre to engineer cutting-edge technologies, ready to meet the needs of the industry.

Dr. M V Rajesh, Training and Placement Officer

About MEC

Established in 1989 under the patronage of IHRD (Institute of Human Resources Development), Govt. Model Engineering College bides as one of the most acclaimed colleges in the state owing to its sterling academic performances and placement records. The institute is affiliated to APJ Abdul Kalam Technological University (KTU) and offers four undergraduate and five postgraduate courses to students based on their exemplary performance in Kerala Entrance Examination and GATE, respectively. MEC also bears the title of being the first recognized research centre under CUSAT.

RANKINGS

GHRDC — **7th**

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

Deccan Chronicle — **44th**

Deccan Chronicle ranked MEC as **44th** among the **Top Engineering Colleges** in India.

Outlook — **36th**

Outlook magazine featured MEC as **36th** among **India's Top 100 Colleges**. MEC is the only college from Kerala in the Top 50.

India Today — **10th**

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

Dataquest — **16th**

Dataquest has ranked MEC as **16th** amongst the **Top Govt. T-Schools in India**.

livemint — **4th**

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

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."

ERICSSON

"Unique students with best skills for networked society."

verizon media

"We have had the best help, support and experience from MEC over the years.. and the standard continues. Thank you!"

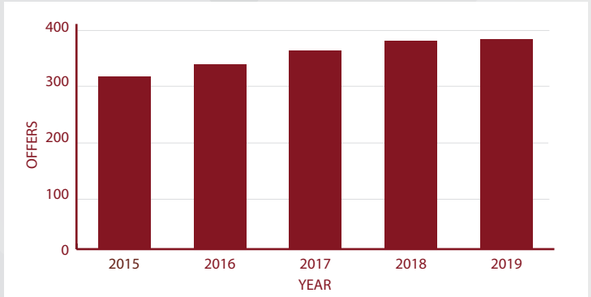
BOSCH

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

Internships

Comprehending that internships offer an opportunity for primary industrial exposure, the Placement Cell gives paramount importance to student internships. As a result, there has been a significant increase in the number of internship offers over the years. The students are encouraged to take up summer internships in established companies and start-ups to acquaint themselves with the latest scientific and technological advancements in the industry.

NUMBER OF OFFERS



PRE-PLACEMENT OFFERS

Deloitte. Paytm SYNOPSYS BROADCOM COGNICOR zynga FullContact UST Global QBurst intel ACCOLITE ANSYS NATIONAL INSTRUMENTS arm TATA CONSULTANCY SERVICES nielsen

BIOMEDICAL TECHNOLOGIES

SOFTWARE & INTERNET SERVICES

Tally TRIMEDX smith&nephew SIEMENS Healthineers AsterMedcity Akamai BECKMAN COULTER Biosense Microsoft Health Vectors GE Healthcare PHILIPS Iba ThoughtWorks ORACLE esri AMADEUS amazon BYJU'S The Learning App Red Hat ZOHO redBus LinkedIn Capgemini Adobe servicenow

PROFESSIONAL SERVICES & ANALYTICS

Paytm verizon media LatentView teradata. Flutura UNISYS EY S&P CAPITAL IQ BRIDGEi2i SAP Deloitte. visualIQ D E Shaw & Co Mu Sigma FACTSET

ELECTRICAL PRODUCTS & UTILITIES

CALPINE Kalkitech Schneider Electric BHEL Bharat Petroleum HAVELLS TATA TATA POWER cadence ANALOG DEVICES Rockwell Automation

ELECTRONICS & EDA

NVIDIA FUJITSU ANSYS Qualcomm AllGo embedded Verifone Ittiam AMD Atmel CYPRESS EMBEDDED IN TOMORROW NATIONAL INSTRUMENTS Open-Silicon BOSCH

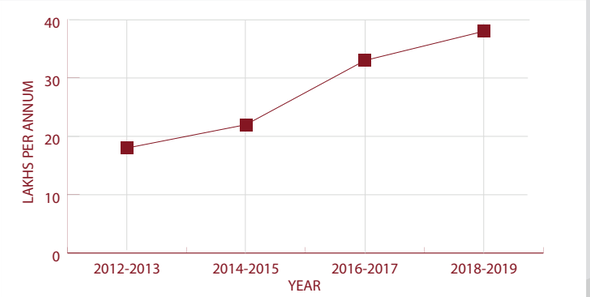
TELECOMMUNICATION & NETWORKING

HUAWEI CISCO Alcatel·Lucent BROADCOM NOKIA RELIANCE Communications onmobile verizon ERICSSON intel

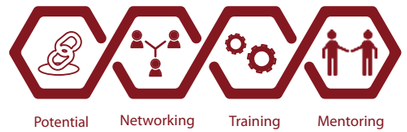
Placements

Govt. Model Engineering College has a fully student coordinated Placement Cell that embodies the philosophy of 100% placements for the students. The cell directs the on-campus recruitment activities and has been closely associated with the industry's biggest names over the years. Various training activities conducted by the Training Cell helps the students to groom their overall skills to meet the needs of the corporate world.

TOP PAY PACKAGES



WORK IN MEC



The students of MEC are keen learners and focus on taming themselves in advanced technology applications by working on industrial-level projects. Work in MEC is an endeavour taken up by the Placement Cell to obtain projects outsourced by the companies and offer them to the students, hence providing a platform for them to enhance their work skills.

Honours & Accolades

Malavika S of 2022 batch received a golden opportunity to delegate at the **Harvard College Project for Asian and International Relations** Conference, an annual event that offers a forum of exchange to facilitate discussions on socially relevant issues.

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

Varun of 2022 batch was declared as the grand winner at the **Ethindia Hackathon** for developing Tessa, a decentralised torrent discovery engine. He was also honoured with an ethereum for the brilliant concept.

Bosch Hackathon saw four students of 2020 batch from MEC, securing first prize for developing a location-based engine selection system for hybrid vehicles to get maximum efficiency in terms of mileage.

Thirteen students were selected for the **Millennium Fellowship** initiative supported by the United Nations Academic Impact and Millennium Campus Network (MCN).

Aswin M Prabhu and Aswin Ganesh of 2021 batch were chosen for **Google Summer of Code** (GSoC) 2019 as a scholar and mentor, respectively.

Anusree A from 2020 batch, was one amongst the 72 global scholars of the **Google Women Techmakers** fellowship, and attended the scholars' retreat held at Singapore. She also got a chance to interact with fellow scholars and Google mentors.

MEC's five brilliant heads of 2021 batch accomplished **IBM's Call for Code Challenge** and received a cash prize of **$1000** after securing the first position in the **Global Hackathon** by **AngelHack** for developing an accident detection application.

Adarsh S from 2020 batch attained an opportunity to represent MEC at the **FOSSASIA Summit 2018** held at Singapore and presented his innovative project on Natural Language Processing and Artificial Intelligence.

Deloitte offered Pre-Placement Offers to Alex George, Sreeram Aravind and Sunny Gautam of 2020 batch as they notched the national rounds in the **Deloitte TechnoUtsav** for their innovative project.

Farha Kareem of 2020 batch was selected as the speaker for **Google DevFest Cochin 2018** and her action, Helpline Kerala, got featured at the Google DevFest Bangalore 2018.

Three masterminds from 2022 batch secured 38th rank in Kerala and 99th rank in India for **IEEE Xtreme**, the ultimate worldwide coding competition.

B.Tech Courses

ELECTRONICS & BIOMEDICAL

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

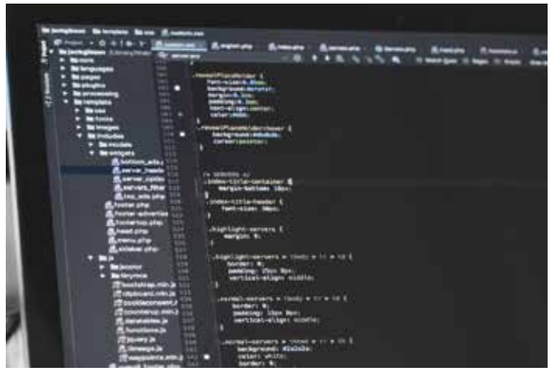
Biomedical: Biomedical Instrumentation, Biosensors and Transducers, Principles of Radio Diagnosis and Radiotherapy, Biophysics, Biomechanics, Medical Imaging Techniques, Therapeutic Equipment, Biomedical Optics and Biophotonics, Modelling of Physiological Systems.

Computer Science: Fundamentals of Computer Programming, C Programming, Computer Graphics and Visualization, Medical Image Processing.

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

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

COMPUTER SCIENCE



Computer Science Concepts: Computer Organisation and Architecture, Data Structures and Algorithm Design, Object Oriented Design and Programming, Theory of Computation, Principles of Database Design, Natural Language Processing, Machine Learning, Artificial Intelligence, Data Science, Cloud Computing, Soft Computing.

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

Operating System Development: Compiler Design, Operating Systems.

Software Engineering and Programming: System Software, Software Engineering and Project Management.

Electronics: Electronic Devices and Circuits, Digital Electronics.

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

ELECTRONICS & COMMUNICATION

Electronics and Communication: Analog Integrated Circuits, Communication Engineering, Power Electronics and Instrumentation, Antenna and Wave Propagation, Microwave and Radar Engineering, Optical Communication, Advanced Communication Systems, Nanoelectronics.

Signal Processing: Digital Signal Processing, Image Processing, Speech Processing.

Embedded Systems & Hardware Design: Embedded System, VLSI Design, RTOS, Digital System Design, Control Systems, Microprocessor and Microcontroller.

Computer Science: Soft Computing, C Programming, Object Oriented Programming, Pattern Recognition, Information Theory and Coding.

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

ELECTRICAL & ELECTRONICS

Electrical: Electrical Machines, Circuits and Networks, Power Systems, Electric Measurement and Instrumentation, Power Electronics and Drives, Control Systems, Electrical System Design, Flexible AC Transmission Systems, Distributed Generation and Smart Grids, Electric and Hybrid Vehicles, Illumination Engineering, Renewable Energy Systems.

Electronics: Analog Electronic Circuits, Digital Electronics and Logic Design, Digital Signal Processing, Signals and Systems.

Computer Science: C Programming, Data Structures and Algorithms, Soft Computing.

Embedded Systems: Microprocessor and Embedded Systems.

Labs: Circuits and Measurements, Electrical Machines, Power Systems, Digital Circuits and Embedded Systems.

M.Tech Courses

IMAGE PROCESSING

Main Course: Digital Image and Video Processing, Computer Graphics, Advanced Data Structures and Algorithms, Probability and Random Processes, Computer Vision, Pattern Recognition.

Elective: Advanced Data Mining, Natural Language Processing, Artificial Neural Networks and Fuzzy Systems, High-Performance Computing, Data Compression.

ENERGY MANAGEMENT

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

Elective: Process Reliability Engineering, Heat Transfer in Energy Systems, Management Tools, Safety Technology and Management, Wind Energy Engineering.

RESEARCH PROGRAMMES

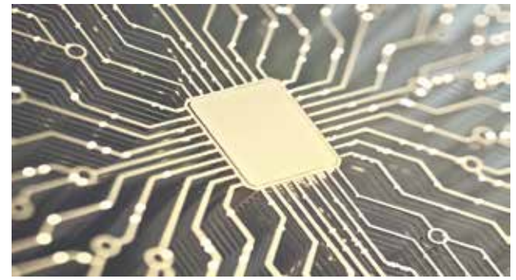
VLSI and Embedded Systems, Image Processing, Biomedical Engineering, Optoelectronics etc are some of the fields that are widely taken up for research in the college.

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 AND EMBEDDED SYSTEMS

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

Elective: System on Chip Design, FPGA Architecture and Applications, DSP Algorithms and Processors, MEMS and Microsystem Design, VLSI Architectures for DSP.



OPTOELECTRONICS

Main Course: Digital & Optical Signal Processing, Optical Sensor Technology, Biophotonics, Fiber Optics.

Elective: Industrial Photonics, Advanced Optical Communication, Integrated Optics, Digital Communication Techniques, Communication Networks.

SIGNAL PROCESSING

Main Course: Advanced Digital System Design, Adaptive Signal Processing, Digital Communication Techniques, VLSI Architectures for DSP, Digital Image Processing.

Elective: Speech Processing, Biomedical Signal Processing, Multidimensional Signal Processing, Digital Control systems, Array Signal Processing, Advanced Microprocessor Architectures, Artificial Neural Networks.

B.Tech Projects

COMPUTER SCIENCE

NextWave Helper: Android App for Search and Rescue: Natural and man-made disasters can have devastating effects on human society, but they can largely be mitigated with the coordinated effects of rescue workers. The project aims to develop an Android application that offers user-friendly and real-time data related to crowd-sourced information, providing details of the missing person, relief centers and handles requests accordingly.

Technology(s) used: SQLite, Java, XML, LAMP.

Warehouse Automation Bot: The Mega-Warehouses can be automated with multiple shelves and bots to perform better by utilizing machine learning algorithms and pathfinding algorithms. The project aims to automate an entire warehouse using the principle of swarm robots and is designed to coordinate with each other to carry payloads far greater than the written capacity of each individual robot.

Technology(s) used: Javascript, Unity, C.

ELECTRONICS & BIOMEDICAL

Detection of Coronary Artery Disease from Heart Sounds: The project aims to detect Coronary Artery Disease (CAD) from phonocardiogram (PCG) signals. The diastolic phases are isolated and both time and frequency domain features are analyzed. The diastolic phase is used to differentiate between normal and abnormal signals since it corresponds to the period of maximum coronary blood flow.

Technology(s) used: Matlab, Raspberry Pi 3, Thinklabs Phonocardiography.

Pre-diagnosis of Pneumonia in Infants using Multiparameter Analysis: Developed a portable, pre-diagnostic device for pneumonia detection in infants. Monitors the lung sounds, pulse rate, respiratory rate, oxygen saturation and temperature. Differences in Heart Rate Variability (HRV) indicate that the patient is abnormal.

Technology(s) used: Raspberry Pi 3, Audacity, MAX30100, DS18B20.

ELECTRICAL & ELECTRONICS

ANN based Power Transformer Protection: The project aims to provide protection for transformers against phase, earth fault and internal troubles. Artificial Neural Networks (ANN) would detect the faults using feed-forward non-linear supervised back propagation algorithm. The proposed relay takes care of inrush currents and ensure operation during internal faults.

Technology(s) used: MATLAB, LabVIEW, Neural Networks, Wavelet Transform, Feed Forward Backpropagation Algorithm.

Wireless Charging Station for Electric Vehicles: The power generated from a smart grid is effectively utilized for charging electric vehicles. Energy flows from the transmitter coil to receiving coil of the electric vehicle at the resonant frequency and thereby charging it. Wireless charging provides benefits in terms of lower maintenance, higher safety and effective space utilisation.

Technology(s) used: LC Filter Circuit, Class E Power Amplifier.

ELECTRONICS & COMMUNICATION

Hardware Implementation of Image Compression using RIPPLET Transform: This project introduces a new method to compress images focused to achieve high compression ratio and high Peak Signal to Noise Ratio (PSNR) using Ripplet Transform. The 2D singularities along arbitrarily shaped image edges are resolved without compromising the compression efficiency. This can be done on FPGA to create an image compression engine.

Technology(s) used: MATLAB, Vivado, FPGA, Image Processing and Wave Transforms.

Audio Spotlighting: The project uses the Ultrasonic Frequency method to perform Audio Spotlighting. The modulated signal is transmitted unidirectionally through a Parametric Array of speakers which were designed to avoid destructive interference and further demodulation happens by exploiting the nonlinearity property of air. This technology is used in automobiles, emergency rescue and so on.

Technology(s) used: Parametric Array Speakers, Nonlinear Acoustics.

M. Tech Projects

IMAGE PROCESSING

Content-Aware Image Fill using Pixel Recurrent Neural Networks:
Content-Aware Image Fill is a classic problem in the field of image processing and machine learning. The project proposes a novel Pixel Recurrent Neural Network based solution to predict the missing pixels by combining the techniques of convolutional neural networks and recurrent neural networks. Pixel Recurrent Neural Network or simply PixelRNN uses a sequential RNN combined with LSTM (Long short-term memory) networks and residual connections to predict the conditional probability of the pixel, given the previous pixels.

Technology(s) used: Image fill based on LSTM, Machine Learning.

Virtual Teleportation of Objects:
The project develops an end-to-end system for augmented and virtual reality teleportation. The system transmits a real-time 3D reconstruction of an entire space by projecting a laser line or point onto an object and forms a 3D model by measuring the resulting reflection angle.

Technology(s) used: 3D image modeling based on Laser Triangulation.

ENERGY MANAGEMENT

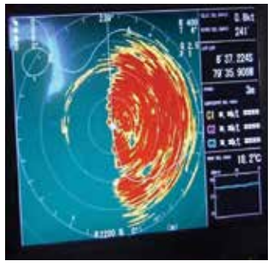
Bioplastic From Reused Cotton Waste:
The project aims to effectively utilize cotton waste (as they are rich sources of cellulose) for the synthesis of bioplastics. Cellulose is extracted by an alkali and bleaching treatments to gain purity. The extracted cellulose is then fermented by yeast to obtain lactic acid. This lactic acid is then polymerised to form Poly Lactic Acid which is the biodegradable plastic.The bioplastic obtained has various possible applications that include disposable tableware, diapers and hygiene products, polymeric scaffold for drug delivery purpose and packaging material.

Technology(s) used: Cotton Recycling, Cellulolysis, Acid, Hydrolysis, Fermentation, Lactic Acid Polymerisation, Sink Test.

Performance of Concrete with Polystyrene:
Over excavation of sand pose a serious environmental challenge. To overcome this recycled polystyrene is used as a partial replacement of fine aggregate in varying proportions. Compressive, tensile, and flexural strength were observed to be better with the new aggregate.

Technology Used: Hooke's Law, Flexural Modulus, Batching, Compressive Strength Test.

SIGNAL PROCESSING



CS based STAP in Sonar Processing:
The project aims to reconstruct noisy passive sonar signals using Compressed Sensing algorithms and by utilising Space Time Adaptive Processing. The CS based STAP is used to aid the feasibility of cancelling the effect of self noise. The STAP technique helps in processing signals where interference is an issue. This method is applied in various fields like MRI imaging, locating signals from vessels underwater and much more.

Technology(s) used: Compressive Sensing, CoSaMP Algorithm, STAP.

VLSI & EMBEDDED SYSTEMS

Digital Watermarking System for Video Authentication:
Designing and implementing a secure and low hardware cost video watermarking system for surveillance video cameras. A pseudorandom sequence generator creates a secure watermark using Galois Implementation, which is embedded and processed in the discrete cosine transform domain. The output data stream is organized into a smaller number of data packets that could be losslessly reconstructed, providing better performance and security.

Technology(s) used: Zynq Ultrascale+, Xilinx ISE.

OPTOELECTRONICS

Design and Development of Fiber Optic based Flexural Disc Accelerometer:
A fiber optic based flexural disc accelerometer was designed and developed to detect the static and dynamic forces which could be used to locate acoustic events in space and underwater. The designed accelerometer was able to detect the strain exerted on the disc more accurately compared to traditional methods. The sensor sensitivity can be improved by increasing mass on the accelerometer.

Technology(s) used: ANSYS DesignModeler, Fiber Bragg Grating, Flexural Disc Accelerometer.

Clubs and Activities

Mixed Signals is an endeavour of the students of Electronics and Communication Department that aims at providing a platform to learn, experiment and innovate, thus transforming them into better engineers. Various workshops, lectures and competitions have been organized by the association as part of its mission to empower students with the latest cutting edge technologies.

FOSSMEC, the Open Source Community of MEC, is a group of passionate students, who promote and contribute to Free and Open Source Software, whilst achieving technical excellence in their pursuit of knowledge by conducting many coding events and hackathons like Hacktoberfest and DevSprints.

IEEE MEC Student Branch is a forum for the students to be a part of IEEE, the world's largest professional organization for technological innovations, to enhance their technical and networking skills by attending technical events and creating strong peer-to-peer connections.

BioMedical Association (BMA) focuses on developing the academic and technical aspects of the students of the Biomedical Department. The club conducts workshops and seminars on the latest technological innovations in the field in collaboration with top-notch companies like Beckman Coulter, Stasis Labs, Philips Healthcare and GE Healthcare.

MEC Association of Computer Students (MACS) under the Department of Computer Science and Engineering is developed with a vision to impart students' competence and knowledge of complex aspects of the field in the present world. It conducts workshops and lectures on Python, PHP, HTML, Linux and GIT, and events and competitions such as Bitwise Coding Challenge to scout potentially talented students.

WORKSHOPS

SEMINARS

The **Electrical Minds Forum** (EMF) is an organization run by the Department of Electrical and Electronics, serving as a bridge between the students and the strides made in the industry to show their mettle in socially relevant areas by holding workshops, seminars and exhibitions. A bunch of motivated students brought power to 25 families of Kerala that had lain in darkness for decades through Project Urja, a great social initiative of the club.

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 through some humble endeavours like One-day-one-rupee collection and food packet collection.

National Service Scheme (NSS) is a social welfare organization, which provides students a significant connection with society by organizing social initiatives such as e-waste collection throughout the district, 24-hour blood donation emergency services and Beach clean up.

Innovation and Entrepreneur Development Cell (IEDC) is an organization that aims to equip students with technical and managerial skills while encouraging an entrepreneurial spirit. It provides avenues for creative students to learn, collaborate and transform their innovative ideas into prototypes of viable products and services.

American Society of Mechanical Engineers (ASME) is a non profitable organization run by Centre for Energy Management Studies under Mechanical Engineering Department that enables collaboration, knowledge sharing, career enrichment and skill development across all engineering disciplines with an aim of helping the global engineering community build solutions to benefit lives.

Highlighting Events


















The 20th edition of the annual techno-managerial conclave of Govt. Model Engineering College, **Excel 2019**, was sponsored by title sponsor **Litmus7** and associate sponsors **Cyrix Healthcare** and **GES Infotek**. Being the first ever tech-fest to be hosted in South India, the event delineated the right mix of exhilarating hardcore technical competitions that drew savvy youngsters from all over the country.

Innovations for a Better Tomorrow (**IBeTo**) sponsored by **Bharat Petroleum Corporation Ltd.** is a national level pursuit that inspirits young enthusiasts to unlock society's most arduous challenges by unraveling technological revolutionary ideas. The event beheld a team of four wonks bagging first prize for developing a system to ensure citizen safety that functions on facial features.

CITTA, the biomedical expo in partnership with **Sree Gokulam Healthcare**, brought together the veterans from **Cyrix Healthcare**, **Transasia Bio-Medicals**, **Rapid Diagnostics** and **Techsure Limited**. The event commenced with a talk by Shafeeque Busthan, a research scholar from NIT, Calicut and George Kuriakose, creator of Pappyjoe and featured the standard medical equipment in the field.

India's largest Youth Festival, **Under25** witnessed artists Anto Philip, founder of Under25, Ashwin Gopakumar, lead vocalist of When Chai Met Toast, Ganesh Raj, well-known Director, Vishak Nair, prominent actor, Vineeth Vincent, talented beatboxer and Arya Prakash, founder of Popcult Tribe. The event was hosted for the first time in Kerala, galvanizing the youth to explore and pursue their dreams.

MEC Model United Nations 2019 (**MECMUN**) provided a platform for young scholars to expound their ideas and visions on various global issues faced by the present generation. The event called up to debate on improving the social and economic conditions of the country, the protection of internally displaced people in war zones and the prevention of transnational organized crime.

MEC witnessed the third edition of independently hosted **TED** conferences held at the Kerala StartUp Mission. The event witnessed prominent speakers including Dr. Sarita Vig, Astrophysicist and Professor at IIST, Dr. Arun A Shanmugham, Director of Wildlife SOS, Moosa Mehar, Founder of TinkerHub, Dr. Gitanjali Natrajan, Clinical Psychologist and Jegatha Muralidharan, India's first Zumba jammer.

HackForTomorrow, sponsored by **Litmus7** and in association with **Visual IQ**, was a 24-hour intensive product development contest with prizes worth ₹30,000. It provided the participants a platform to showcase their innovative ideas and technical abilities to resolve the socially relevant problems. A team of 3 secured first in the event, developing a system to detect victims of extreme flood impact.

Excel 2019 in association with **ThinkPalm** and **AVT** arranged the **National Engineering Summit**, which commenced with a general track and a mentoring program, where the participants interacted with the brightest minds in the field of Biotechnology, Computer Science and Nuclear Energy. The session was addressed by Padma Shri M C Dathan, Chief Minister's Scientific Advisor.

The twelfth edition of **The Illuminati Quiz**, sponsored by **Ansys**, was the curtain-raising event of the Kerala Quizzing Circuit which included a prize pool of ₹50,000. Major Chandrakanth Nair hosted the event held in honor of Late Sandeep Menon, an alumnus and the founder of The Illuminati quizzing Club with a motto to promote quizzing tradition within the extended community.

The prototype expo, **ProtEx** exhibited the novel technological creations in the field of Augmented Reality, Virtual Reality, Robotics and Biomedical Engineering in its raw form. The exhibition provided a platform for promising startups to showcase their ideas and prototypes, and an interactive session with professionals from various emerging fields to effectuate revolutionary ideas.

Alumni Achievements

Faseela K of 2010 batch owns 16 patents which include improving SF Proxy Performance in SDN Networks and a mechanism to improve control channel efficiency in an OpenFlow network, among the others.

Prakash Ramachandran of 1998 batch is the Chief Technical Officer of the rapidly flourishing educational technology platform, BYJU'S - The Learning App.

Cucumbertown, a startup founded by Cherian Thomas of 2006 batch was acquired by the Japanese recipe network, Cookpad in 2015.

WeavedIn, a start-up based on the Retail Domain and F&B, founded by Jacob Pattara of 2009 batch was acquired by Paytm in 2018.

Bibin George of 1995 batch, the current Managing Director of Accenture, is also the co-inventor of the U.S. patent on High Impedance State for Electronic Subscriber Line Transceivers on Twisted Copper Pairs.

ALUMNI

KEYVALUE
cardioInsight
Markon Consulting
CASUAL PUNCH
Tech Joint
HABER
Perleybrook LABS LLC
compile
vitalxchange
ASIMOV ROBOTICS
dexlock
SNAP2INSIGHT
fact weavers
ATWIC R&D INNOVATIVE CREATIONS
INKONIQ
headspin
FWD
epsilon diagnostics
fourth ambit
WOWMAKERS
Objectmatics

STARTUPS

DX
DBAUX
TEQZO
dockup
SOT
BLACK PEPPER
aabora
Oregon Healthcare
PERFIT FASHION
YOUR FIT . YOUR FASHION
WeavedIn
betasense
iProspect
ezeelogin
COGNICOR
hashboosh
ZIGHRA
cucumbertown
fresh to HOME
clearlogix
wektra
paanini
FINISH FACTORY
vtrio
LOKYATA
niara
PAPPYJOE
ignitarium

Jobin Jose of 2014 batch won the first place in Google TensorFlow Challenge 2017 held by SAP Leonardo/IoT Innovation Hub. The idea manoeuvred a convolutional Neural Network that classifies brain MRI scan into different brain tumours.

Robin Issac of 2006 batch received the CEO award for Customer Centricity & Innovation by GE Healthcare in the year 2014.

Wazeem Basheer of 2010 batch received the DAAD award in 2014, for outstanding achievements of foreign students at German universities.

Designated as the President of Reliance Industries Limited, Kiran Thomas of 1994 batch owns a hand in the incredible growth of the company.

Charu Ramanathan of 1995 batch is the founder of CardioInsight, a startup that developed a non-invasive cardiac mapping system to monitor cardiac electrical disorders. The company was purchased by Medtronic with a transaction value of about $93 million in 2015.

Our Reach

[24]7.ai, Accolite, Amadeus, amdocs, SAS, esri, CareStack, Adobe, Citrix, ThoughtWorks, Autodesk, Vanenburg software, Hortonworks, capillary, Couchbase, ORTHOFX, SAP, intuit, Tally, Oracle, PEGA, BORQS, infor, MathWorks, Red Hat, McAfee, MediaTek, arm, Applied Materials, ZOHO, XILINX, ignitarium, MACOM, Microsemi, mobiveil, SiFive, AMD, NXP, intel, Texas Instruments, Rambus, NVIDIA, Analog Devices, Kimball Electronics, SFO Technologies, Silicon Labs, GadgEon, TATA, VVDN Technologies, MISTRAL, DIGITAL CORE TECHNOLOGIES, AllGo embedded, TATA ELXSI, EXOR, Microchip, KPIT, Reliance, Qualcomm, SanDisk, HUAWEI, WISILICA, Cerium Systems, CYPRESS, Infinera, NOKIA, Hitachi Vantara, COMCAST, TISMO, ARISTA, cisco, Idea, ERICSSON, NTT, AT&T, onmobile, ACACIA COMMUNICATIONS, INC., BSNL, JUNIPER NETWORKS, airtel, Alcatel·Lucent, BOSE, verizon, SANDVINE, GARMIN, BROADCOM, SONY, Lenovo, DELL, fractal, ACTIOTECH, Roku, HARMAN, A SAMSUNG COMPANY, UST Global, HCL, QUEST, RapidValue, TERRIFIC MINDS, Flutura, hp, BRIDGEi2i, marlabs, TATA, codemancers, accenture, Qubole, UNISYS, TATA CONSULTANCY SERVICES, nissan digital, Manhattan Associates, AlphaNodus, Mu Sigma, ThinkPalm, TRIASSIC SOLUTIONS PVT LTD, wipro, QBurst, Infoview, CYBAGE, Capgemini, teradata., Suyati, Fingent, Infosys, Standav, CGI, terawe, TECHVANTAGE, SUTHERLAND, experion technologies, SUBEX, nielsen, FLYTXT, ALTRAN, TAVANT, Mindtree, LatentView, brillio, TRAVANCORE ANALYTICS

Microsoft, Google, BlueJeans, Xactly, BYJU'S The Learning App, IBM, servicenow, FullContact, vmware, Uber, Walmart Labs, LinkedIn, salesforce, NUTANIX, Verifone, Informatica, Akamai, aws, verizon media, OYO, SWIGGY, Myntra, PayPal, cadence, DELL EMC, redBus.in, paytm, ebay, Grab, Mentor Graphics, impress, NetApp, Flipkart, INMOBI, ANSYS, SYNOPSYS, Ittiam, Baxter, Razorpay, zomato, CATERPILLAR, NATIONAL INSTRUMENTS, BTY, ktpl, Medtronic, NIPRO, BECKMAN COULTER, BHEL, TOYOTA BOSHOKU, Valtrix SYSTEMS, VOLVO, PRIDEX, Johnson & Johnson, SIEMENS, Cohere Med, CYRIX, Healthineers, StanleyBlack&Decker, HARLEY-DAVIDSON COMPANY, Canon CANON MEDICAL, GE Healthcare, TRIVITRON HEALTHCARE, PHILIPS, JAGUAR, Cerner, Valeo, Ford, CAMBIA, Roche, cpc, Continental, Delphi Technologies, Polestar, Mercedes-Benz, Hamad, ZEISS, technicolor, Kalkitech, Star, BBC NEWS, Schneider Electric, YOKOGAWA, dailyhunt, RUBY SEVEN STUDIOS, SIEMENS Gamesa, EA, zynga, BOSCH SIEMENS, Bharat Petroleum, Rockwell Automation, sling, L&T Technology Services, Honeywell, TIAA, JPMorgan Chase & Co., Time Inc., Unilever, P&G, ITC Limited, Baker Hughes, publicis sapient, D E Shaw & Co, Morgan Stanley, Broadridge, FACTSET, ENVESTNET, KPMG, S&P Global, Bloomberg, Deutsche Bank, EY, THOMSON REUTERS, DBS, VISA, Deloitte., Vanguard, Scotiabank, CapitalOne, ADP, genpact, WELLS FARGO, AMERICAN EXPRESS, HSBC, FEDERAL BANK, Westpac, citibank, pwc, BARCLAYS, AON, Fidelity INVESTMENTS, TEMENOS, Standard Chartered

In The Limelight

A model college for entreprene

Model Engg College Achieves 92% Placement for Students

Kochi: The Government Model Engineering College (MEC), Thrikkakara, witnessed yet another excep-

The amount of industrial expo-

amount of industrial e
sure the students get in
campus has been instru
tal in making the stud

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 the unique Electronics and Biomedical Engineering course won job offers from companies including TriMedx. The increase in the number of job offers and recruiters indicated a progressive trend in the job market for potential engi-

27. The highlights of the event include TEDxMEC, an independent TED event, an open air concert by Baiju Dharmajan and Vidwan and MECLABS, an exhibition where students can showcase their projects. There will also be a contest for civil engineers, 'Verdure', where participants will be asked to create a project design for a waterfront villa. For more details, log on to: www.excelmec.org/excel2014/#. The concert tickets can be purchased at

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 making 321 offers on campus for

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 placement offers while those pursuing the B. Tech Electronics and Communication

offers (150) for the st

The companies tha
the MEC campus for
time include Ittiam
(three offers), Redh
and SAP Labs (five).
the major core co
that offered placem
clude Oracle (11),
(two), Open Silicon (t

Science Day Fete
MEC, Thrikkakara

Express News Service

their developments,
also shared aneed
from her experiences
Project Agni.

Reji Searia, Se
Manager (R&D)
India Pvt Ltd, also s
at the meet.

He said rising 'electr
waste' was an issue
urged the engineers o
morrow to ponder sh
and take responsible m
cures to tackle the probl
at hand.

The meet was presi
over by V P Devas

Top honours for MEC

Staff Reporter

KOCHI: Model Engineering College, Thrikkakara, managed by the State-run Institute of Human Resource Development (IHRD), bagged the top ranks in all B.Tech

secured by Faseela K., who had earlier topped the 10th and 12th classes as a student of Technical Higher Secondary School, Vattankulam, also run by IHRD.

Ranjitha A.G. secured the first rank in electronics and

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Dutch students visit engg college

DC CORRESPONDENT
KOCHI, SEPT 18

A group of technical medicine and biomedical engineering postgraduate students from the Netherlands visited the Government Model Engineering College, Thrikkakara. The visit was in connection with a project 'Medical technology and its implementation in the medical tourism sector in Netherlands'.

The Biomedical department of the engineering college, in collaboration with the Cochin University of Science and Technology (CUSAT), hosted the team of three professors and 30 students from the University of Twente, Netherlands.

The half day session organised for the visitors included presentations by students of both the colleges and an interactive session which helped the exchange of educational and cultural aspects unique to both countries. Dr V.P. Devassia, Principal of Model Engineering College, Dr Jessy John, head of the Biomedical Department and professors from Netherlands addressed the gathering.

MEC students get good placement offers

G. Krishnakumar

KOCHI: Indicating a clear boom in hiring prospects across the country, the young talents at the Model Engineering College (MEC) at Thrikkakara here posted an impressive placement record when 21 companies gave offers to 317

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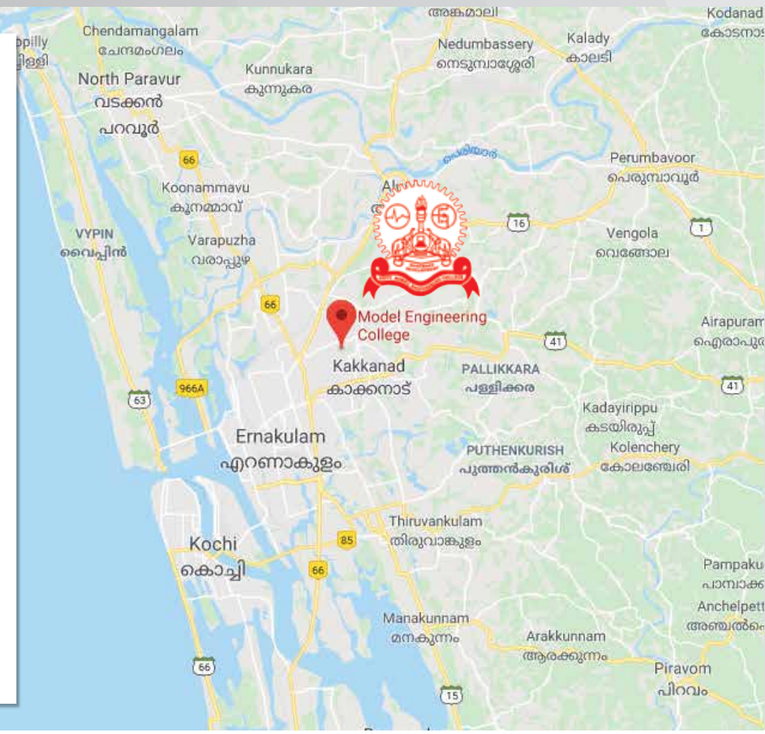

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