



PLACEMENT BROCHURE

2016

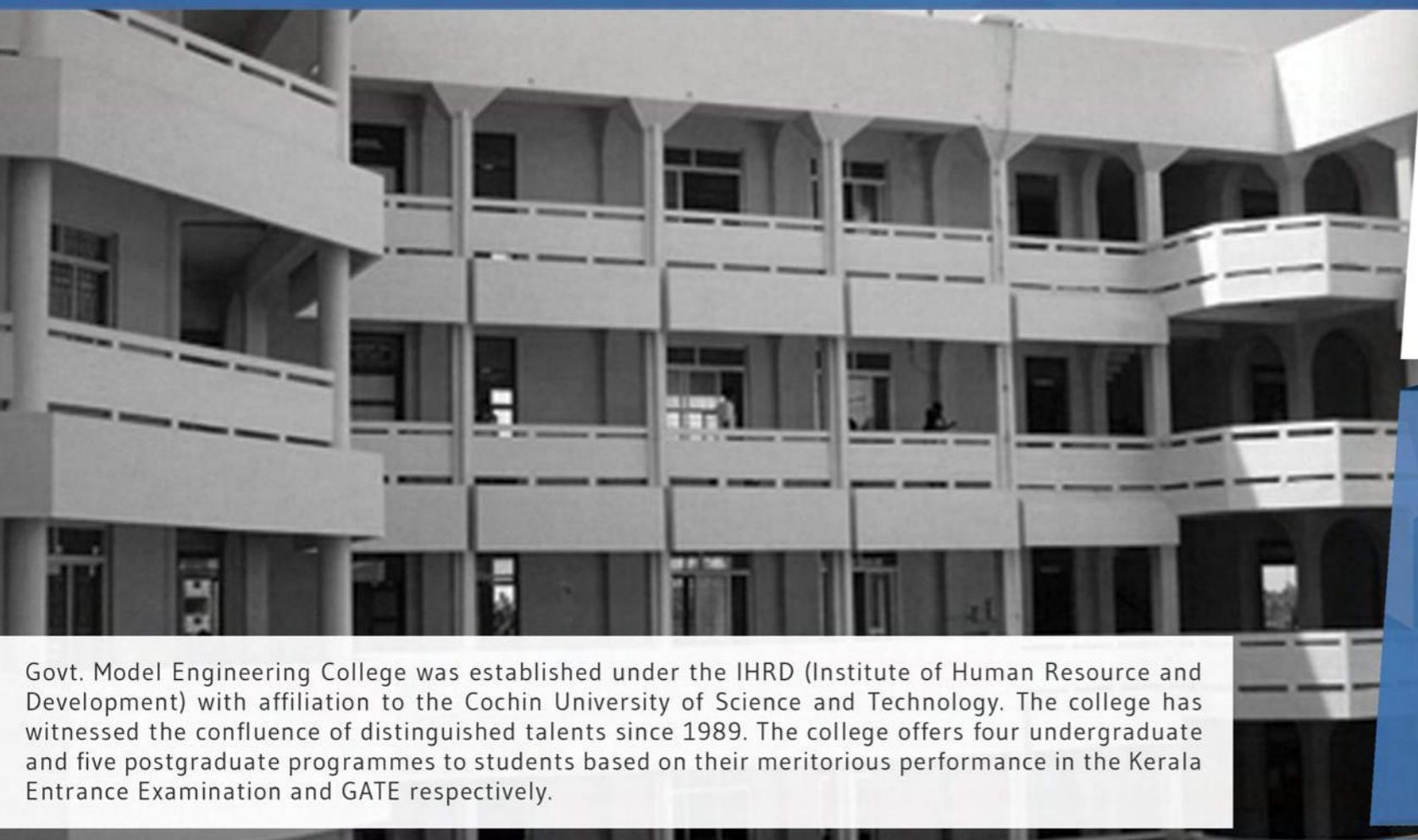


GOVT. MODEL ENGINEERING COLLEGE, COCHIN



About Us	4
Placements & Internships	6
Courses	8
Clubs & Activities	12
Highlighting Events	14
Accomplishments	16
Alumni	18
MEC in Spotlight	22
Contact Us	23

About Us



Govt. Model Engineering College was established under the IHRD (Institute of Human Resource and Development) with affiliation to the Cochin University of Science and Technology. The college has witnessed the confluence of distinguished talents since 1989. The college offers four undergraduate and five postgraduate programmes to students based on their meritorious performance in the Kerala Entrance Examination and GATE respectively.

According to the rankings by **OUTLOOK** magazine, of the Top 75 Engineering Colleges in India Govt. Model Engineering College has been ranked 39th, the only college from Kerala to be featured in the Top 50.

MEC was also ranked 5th in terms of Return on Investment by the same survey.

In the latest edition of **live mint.com** THE WALL STREET JOURNAL magazine, the business daily of Hindustan Times in collaboration with The Wall Street Journal, MEC was ranked 28th among the Top 50 Government Engineering Colleges in India.

MEC was ranked 7th among the Top Government Engineering Colleges in India according to the

 Global Human Resource Development Center .

MEC has also been placed in the 14th position by CSR - GHRDC among the Top Promising Institutions of the country.

In a society where you find engineers at every corner, it requires attention to detail that separates the best from the rest. At Govt. Model Engineering College, we train our students to become more than just engineers. After four years at MEC, the students are equipped to handle things just right. Their inquisitive minds have always made us feel proud. Our ongoing commitment in the wholesome development of each student, both technically as well as socially, has always widened the horizon of excellence.

Prof. Dr. V P Devassia, Principal



Through the years, Govt. Model Engineering College has been dedicated to creating today's pioneers and tomorrow's leaders in the highest echelons of research, science and industry, helping them meet the challenges of the dynamically changing industry. Our aim has been to mould young minds, maximise every student's potential, and to prepare them for a lifetime of achievement, helping them realise their dream to be the best they possibly can.

Dr. Jayasree V K, Placement Officer



ERICSSON

"Unique students with
best skills for
networked society."



NVIDIA.

"Really great. You guys
go the extra mile.
Appreciate it."

COSMIC
circuits

"Students are open and
inquisitive which shows that
the institution has done a
good job on this front."

YAHOO!

"Awesome."

FACTSET

"MEC ROCKS."

PHILIPS

"Just amazing. This is by far the
best campus interview I had. It
was very difficult to reject as
everybody is good. We had a tough
time."

Deloitte.

"It was a pleasure to be there
on your campus. We were
impressed to meet some good
talents in your college."



"Good group with positive
approach, energetic and
enthusiastic technical
minds."

Placements

Internships



The Placement and Training Cell of Govt. Model Engineering College facilitates the process of placement of students. It organizes training activities in the campus to prepare the students to meet the needs of the corporate world. The cell is responsible for organizing all the placement activities in the college from contacting the respective employers to providing all the needs during the placement drive. Every year the college has made a rise in terms of placements.

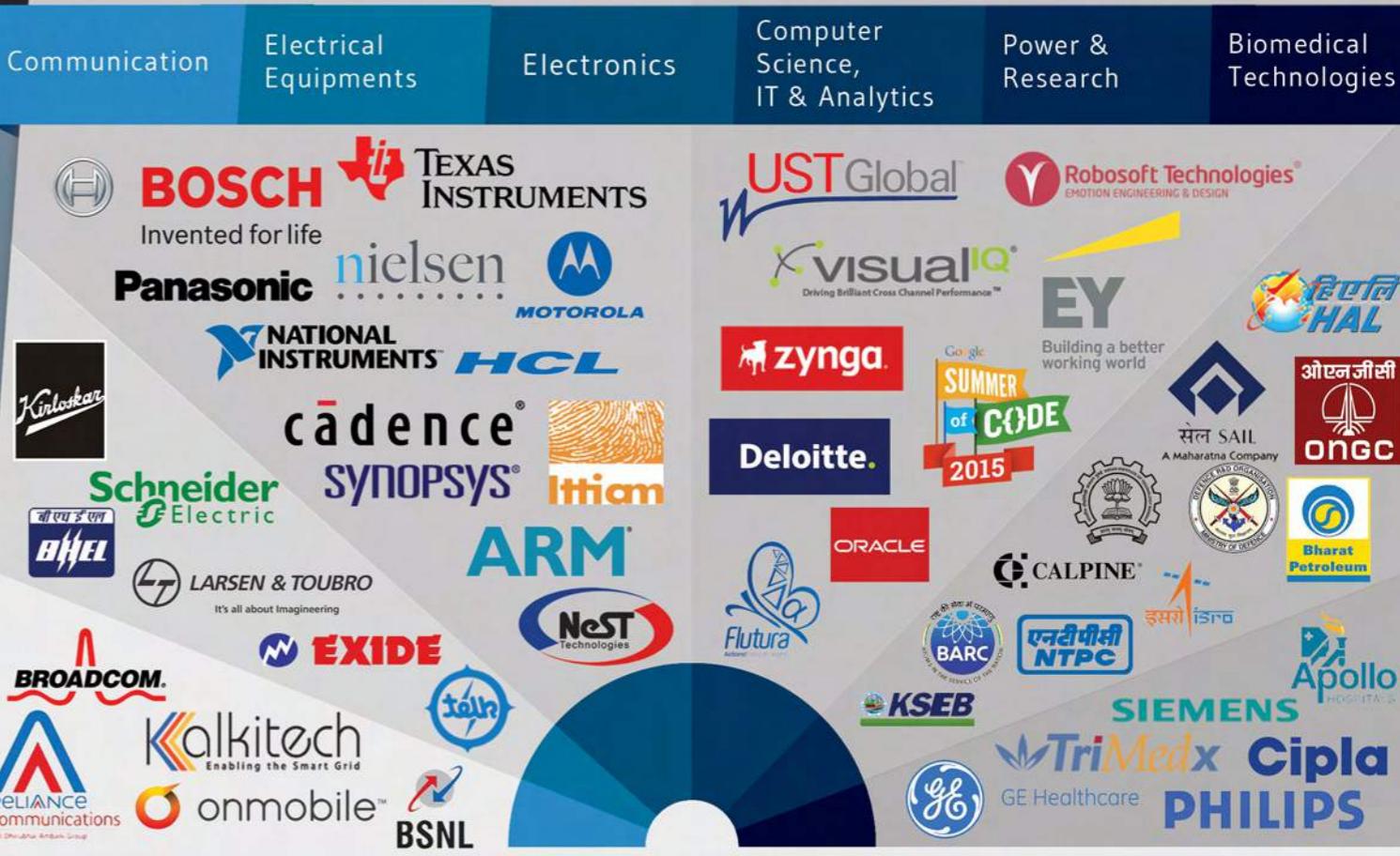
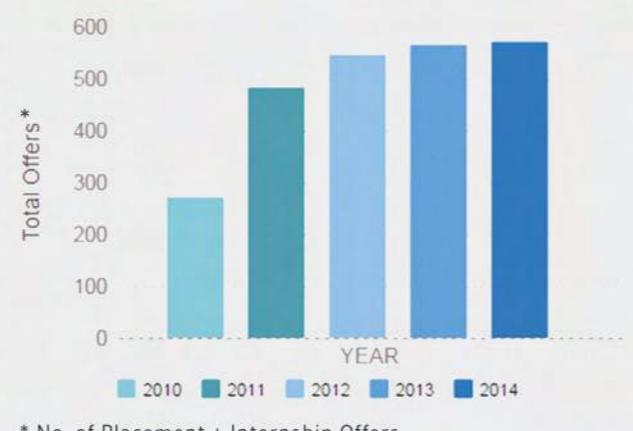
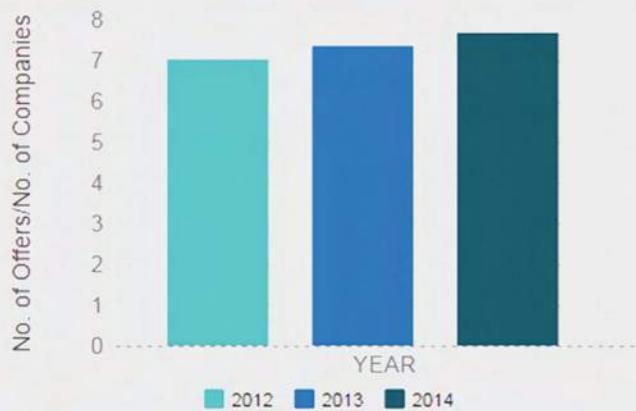
The Internship process provides the students an opportunity to team up with many leading companies. The students undergo two month summer internships in established companies and startups from the first week of May. It serves as a platform to sharpen their work skills. The program has witnessed a remarkable rise in offers with each passing year.



are a few among the top companies that have been visiting the campus.

MEC is the only college in Kerala to be visited consistently by NVIDIA since 2006.

Some of the prominent companies that have been offering pre-placement offers & post course internships include,



Courses - B.Tech

ELECTRONICS AND BIOMEDICAL ENGINEERING

Biomedical Engineering involves developing devices and procedures that solve medical and health-related problems by combining their knowledge of biology and medicine with engineering principles and practices.

Curriculum:

Electronics: Signal Processing, VLSI designing, Electronic Circuits and Design, Microcontrollers, Digital Electronics, Integrated Circuits and Design, Embedded Systems.

Biomedical: Medical Instrumentation, Biosensors and Transducers, ANN, Medical Imaging Techniques and Processing, Telemedicine, Modelling of Physiological System.

Computer Science: C, Object Oriented Programming (Java).

Lab Facilities:

Medical Electronics Lab, Signal Processing Lab, Microprocessor Lab, Digital Electronics Lab and Analog Circuits Lab.

ELECTRICAL AND ELECTRONICS ENGINEERING

The course deals with the practical applications of electricity in all its forms, including those of the field of Electronics.

Curriculum:

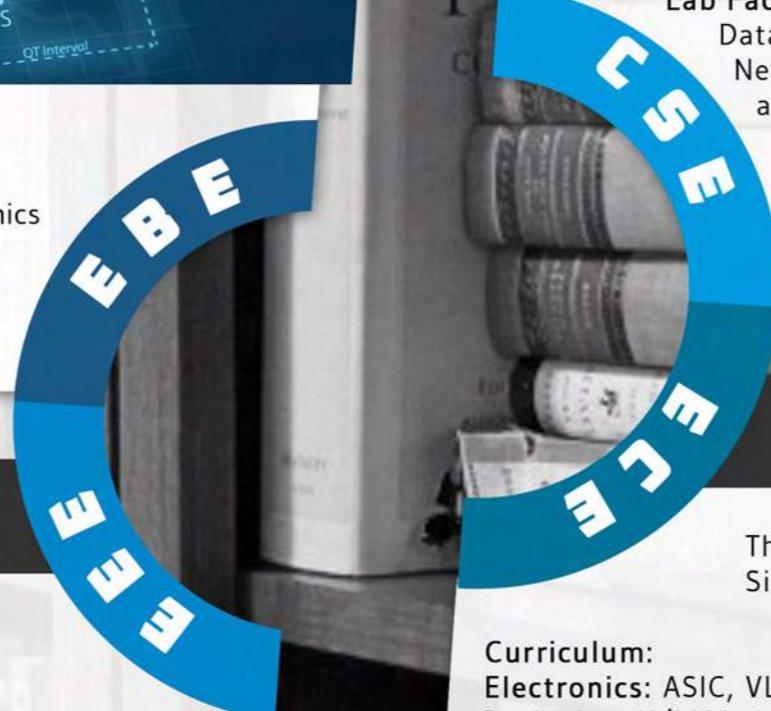
Electrical: Electrical Machine Design, Fluid Mechanics & Heat Engines, Flexible AC Transmission Systems, Power Quality, Control Systems, Power Systems.

Electronics: Electronic Instrumentation, Digital Signal Processing.

Computer Science: C, Image Processing.

Lab Facilities:

Electrical Measurements Lab, Electronic Circuits Lab, Digital Electronics Lab, Microprocessor & Microcontroller Lab, Power Electronics Lab, Advanced Electrical Engineering and Electrical Machines Lab.



COMPUTER SCIENCE AND ENGINEERING

Ranked as one of the best technical programs in the country. It provides specialization in a wide range of hardware and software subjects.

Curriculum:

Computer Science: Data Structures and Algorithms, Object Oriented Programming, Computer Graphics, Computer Networks, Database Management Systems, Mobile Computing, Software Architecture, Artificial Intelligence, Security in Computing.

Electronics: Microprocessor based System Design, Digital Electronics, Digital Signal Processing.

Lab Facilities:

Data Structures Lab, Computer Graphics Lab, System Programming and Hardware Lab, Networks and Operating System Lab. Includes lab systems with CUDA assistance, LAN and WAN terminals and Standard Blade Server.



ELECTRONICS AND COMMUNICATION ENGINEERING

The course emphasises on the application of Electronics in Communication Systems, Signal Processing and Digital Designing.

Curriculum:

Electronics: ASIC, VLSI, Embedded Systems, Digital Signal Processing, Digital Electronics and System Designing, H/W Modelling, Microelectronics and ICs, Mechatronics.

Communication: Digital Signal Processors and Radio Communication, Microwave Technologies & Devices, Optoelectronics & Communication.

Computer Science: C, Computer Communication & Networks, Intelligent Systems.

Lab Facilities:

Circuit Design Lab using EDA, LabView, PCB Prototyping Machine, Communication Lab with Virtual Modelling Software, Microprocessor Lab and Digital Signal Processing Lab.

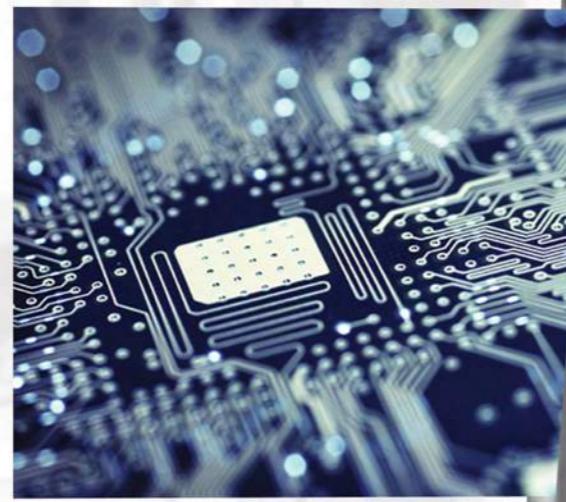


Courses - M.Tech

ELECTRONICS WITH SPECIALIZATION IN VLSI AND EMBEDDED SYSTEMS

Curriculum: System Chip Design, VLSI Circuit Design and Technology, Electronic System Design are offered to engineers as part of the curriculum.

Lab facilities: High Speed Design Lab, VLSI Physical Design Lab, Advanced Microcontroller Lab, Mentor Graphics DX Designer, Altium Designer, ANSYS HFSS, Xilinx ISE, PSoC 5, Altium Nanoboard, ARM 9 are some of the EDA tools available to the engineers.



COMPUTER SCIENCE WITH SPECIALIZATION IN IMAGE PROCESSING

Curriculum: Pattern Recognition, Multimedia Systems, Advanced Computer Graphics, Medical Image Processing are some of the core concepts which are taught to the engineers.

Lab facilities: Labs under this department include Computer Graphics Lab and Image Processing Lab.



ELECTRONICS WITH SPECIALIZATION IN OPTOELECTRONICS AND COMMUNICATION SYSTEMS

Curriculum: Optical Communication Technology, Laser Optics, Biophotonics and Laser Spectroscopy.

Lab facilities: Labs like Optoelectronics Lab sharpen the practical skills of the engineers in this emerging field.



ELECTRONICS WITH SPECIALIZATION IN SIGNAL PROCESSING

Curriculum: Adaptive Signal Processing, Multidimensional Signal Processing, Artificial Neural Networks are the crux of this course. Students are also exposed to subjects of importance like Digital Control System, Digital Image Processing, Advanced Digital System Design and Spectral Estimation.

Lab facilities: Labs are equipped with MATLAB and other Image Processing Tools which give an impetus to the research interest of engineers.



MECHANICAL ENGINEERING WITH SPECIALIZATION IN ENERGY MANAGEMENT



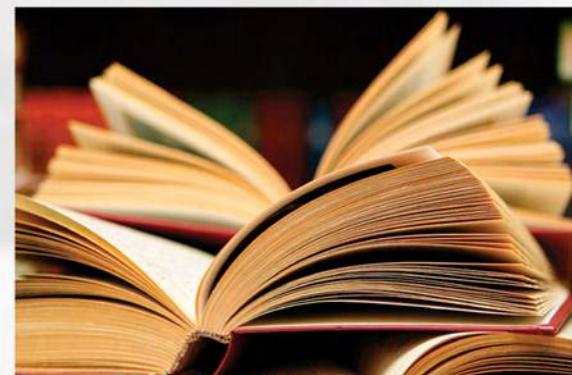
Curriculum: Solar Energy Engineering, Process Reliability Engineering, Energy Conversion Systems are given due importance in this course.

Lab facilities: The Solar Engineering Lab and Computational Lab give engineers the necessary expertise in this field.

RESEARCH PROGRAMS

VLSI and Embedded Systems, Signal and Image Processing, Optoelectronics, Biomedical Engineering etc. are some of the fields which are widely researched.

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.



Clubs and Activities

Bio Medical Association aims to impress upon the students of Electronics and Biomedical Engineering the need to possess practical knowledge in their field of study. Activities like Wave Cloning and Quiz competitions are conducted along with events such as workshops and presentations to explore the varied topics of interest in Biomedical Engineering organized by the club include a seminar on Medical Equipments by Philips Healthcare.

The community of Computer Science and Engineering students of the college, **MEC Association of Computer Students**, focuses on bringing to the forefront the analytical and coding skills of its members.

Alongside coding events, workshops for Android, Cloud Computing, PHP and Python are organized and Linux Week is celebrated annually by the club. It is also responsible for managing the college's web, mail and FTP servers.

Electrical Minds Forum, the association of Electrical and Electronics Engineering students initiates its members to familiarise with electrical technology and its applications. Students are motivated to develop interest in the subject by organizing workshops, seminars and industrial visits.

A venture by the students of Electronics and Communication Engineering, **Mixed Signals** aims to foster technical interests in the field of electronics among its members.

Keeping the members updated on the recent technological trends by organizing workshops, lectures, seminars and conferences is the primary goal of the club.

IEEE SB of MEC, the largest of its kind, provides technical expertise to students, helping them explore the myriad dimensions of technology.

The activities range from organizing technical symposiums and workshops to interactive sessions with dignified personalities.

Some of the prominent workshops organized by IEEE include a Linux Drivers workshop conducted by Broadcom, a workshop on ARM based designs conducted by Atmel and a workshop on Swarm Robotics conducted by Roboversity.

The elite quizzing fraternity of MEC, **Illuminati**, has played host to numerous inter and intra collegiate quiz competitions and has brought laurels home. Apart from organizing weekly quizzes (*Thank God It's Friday*), the club conducts an annual quizzing competition, *The Illuminati Quiz*, that witnesses nationwide participation.



The Entrepreneurship Cell of MEC has been an excellent platform in nurturing and perpetuating the latent entrepreneurship skills of the students.

Events such as Young Entrepreneurship Summit (YES) in association with Startup Village and Technopreneur (the techno managerial summit of notable entrepreneurs) are organized.

NSS chapter of MEC is a youth service program that was instituted to establish social consciousness among the youth. Successful campaigns promoting AIDS and health awareness, blood donation camps, tree planting initiatives and visits to orphanages are some of its contributions towards the society.

The social welfare club of MEC, **Thanal**, is a novel attempt by the students to work for the underprivileged and organize charitable events for any social cause. The club works relentlessly throughout the year, conducting weekly and monthly activities for the weaker sections.

Greens, a social enterprise by the students of M.Tech, promotes the need of environment conservation and the role of the youth in this cause. Regular activities such as tree plantation, cleaning of the campus and campaigns to promote public awareness in ecological conservation are conducted actively.

Workshops and Seminars



Highlighting Events



Excel:

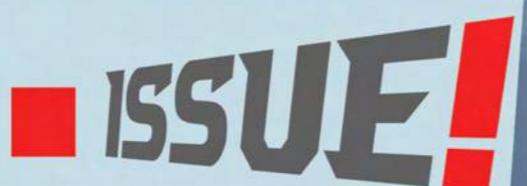
Annual techno managerial symposium organized on a national scale by MEC in association with IEEE SB. Highlighting events at Excel 2014 include workshop by Atmel, seminar by Philips Healthcare, GoLang and Cloud Computing workshop by GDG along with other technical and non-technical competitions.



The speakers who have graced the occasion include Narayanan Krishnan, Captain Radhika Menon, N Santhosh Hegde, Kalamandalam Krishnakumar, Sabriye Tenberken and Paul Kronenberg.

.ISSUE!

With the motto 'Arise, Awake and Stop Not Until the Goal is Reached !!!', at .ISSUE! we exercise our freedom of speech with a voice to set in motion the gears of action. Eminent speakers who played a pivotal role in creating the awareness include G Sudhakaran, R Sreelekha IPS, Jacob Punnose, Rahul Easwar and Sudha Namboodhiripad.



Ibeto and Ibeto Jr. are novel initiatives that challenge the students to utilize the prowess of engineering and technical knowledge to cause a social impact. The best and most viable project ideas are funded and mentored to lead them to completion. Some of the best ideas include Generation of Electricity from the force of gravity and Public Distribution System.



Technical Workshop Marathon:

TWM is a month long programme conducted in association with the E-Cell and IETE clubs annually. The event inculcates in depth knowledge in core subjects of engineering by organizing workshops on topics such as Raspberry Pi and Arduino, Digital Image Processing, Digital Marketing and LateX.

The Illuminati Quiz (TIQ) is a national level quizzing competition organized annually as a tribute to Sandeep Menon, the founder of the Illuminati Quiz Club of MEC. With participants from top colleges of the country, the competition offers a prize money of Rs. 40,000.

The Illuminati Quiz

In memory of Sandeep Menon



Pitroda) to share their ideas and experiences to success.

Technopreneur:

Organized by the E-Cell of MEC, this techno-managerial summit is a forum for notable entrepreneurs and eminent speakers (such as Mr. Kris Gopalakrishnan and Mr. Sam

Accomplishments



MECians have exhibited exemplary performances in GSoC since 2009. Narayanan K (2010 Batch), Sarath Lakshman (2011 Batch), Anurup Raveendran (2011 Batch), Arun Scaria (2012 Batch) and Renil Joseph (2016 Batch) have remained a part of this reputed event.



Joseph Sara Julian, Krishna Prasad P and Rohith K D of 2016 Batch were chosen as Microsoft Student Partners.



John S Perayil (2014 Batch) received the 2nd place in Hackathon, a national level app design competition conducted by Innoz Technologies, Bangalore.

Sumesh K Sadanandan (2014 Batch) was one among the finalists of Nebula'12, a national level circuit design competition conducted by Cosmic Circuits (acquired by Cadence).



Sandeep P Nair of 2000 Batch is the co-inventor of provisional US Patent on Seizure Control in 2007.

MOX, a debian based operating system, has been developed for Govt. Model Engineering College by its students Ajmal Azeez (2016 Batch) and Minhaj Ahmed (2016 Batch) of Computer Science department.

Shyamal S (2010 Batch) and Sarath Lakshman (2011 Batch) bagged the 2nd place in India's first National Level CTF Style Ethical Hacking Contest (InCTF).



Livin D Cruz and Vineesh P (2013 Batch) came first at Aspirations 2020 (State Level), a coding competition organized by Infosys as a part of their Campus Connect Program in 2011.



Three teams from the college led by Gokul Krishnan, Vimal Chacko and Paul P Vinod of the 2016 Batch qualified for the quarter finals of the Texas Instruments Innovation Challenge 2015.



John Paul Xavier (2008 Batch) won the first place in the 'Design the Next Chevrolet Contest' held by General Motors India in 2011.



Rony Gregory, Bilahari T H, Minu George, Sharika EP, Minu George and Pranav Gopi of 2012 Batch received 'Pat on the Back Award' from OnMobile Global Ltd. in 2014.



Cejo K Lonappan of 2004 Batch received the IEEE Instrumentation and Measurement Society Graduate Fellowship Award in the year 2014.



Thomas J Victor of 2004 Batch won the Individual Excellence award in IBM.

Sarath Lakshman of 2011 Batch won the Hackathon competition conducted by Sequoia Capital in the year 2014.



Wazeem Basheer of 2010 Batch received DAAD award for outstanding achievements of foreign students at German Universities in 2014.



Vinitha Suresh (1993 Batch) won the Innovator Asia Award from EDN Asia Magazine.

Alumni



Leaving a trail of rich legacy, xMEC, the alumni association of MEC, has always extended immense support and enthusiasm to the students of the college. Through their commendable endeavours like the XSA Scholarship, the Praveen Das Memorial Award, the numerous workshops and career panels, xMECians have always been an ingeniously inspirational alma mater.

MECians Around the Globe



Startups



Arun KS (2009 Batch) won Hackovation Award from Yahoo! in 2011.



Pooja Malpani and Roshan James of 2002 Batch bagged Microsoft's Most Valuable Professional Award in 2003 and 2004.



Binu Jacob (2006 Batch) won the Microchip Excellence Award in 2013.



Krishnaswamy from Electronics and Biomedical Engineering branch of 1999 Batch was the second highest payee in India among the fresh recruits in Intel Technologies.



Joseph Alphonse Mathew of 2006 Batch was part of the team that came first in Maverick, an All India Deloitte event, in October 2010.



Rosh Cherian's (1996 Batch) Artificial Intelligence based startup company CogniCor, won the 2012 Most Innovative European Startup Award.



Balasubrahmanyam S, Aravind Krishnan and Sreekanth S (2006 Batch) were part of the NVIDIA team that launched the NVIDIA GeForce 9400 graphics processing unit.



Jacob Cherian of 1994 Batch was selected as the 'Dell Inventor of the Year' in 2005.

Alumni Collage



MEC in Spotlight

MASTER OF CODES

Students of MEC beat recession blues

Innovators to share their experience

Record job haul by MEC graduates

Techies have a blast at MEC fete

Campus hiring rides past the slump bump

Model Engg College to pay 'wireless' tribute to US scientist

Watch out! Robots are Marching into Malls

Students of MEC beat recession blues

College camp promotes green message

Innovators to share their experience

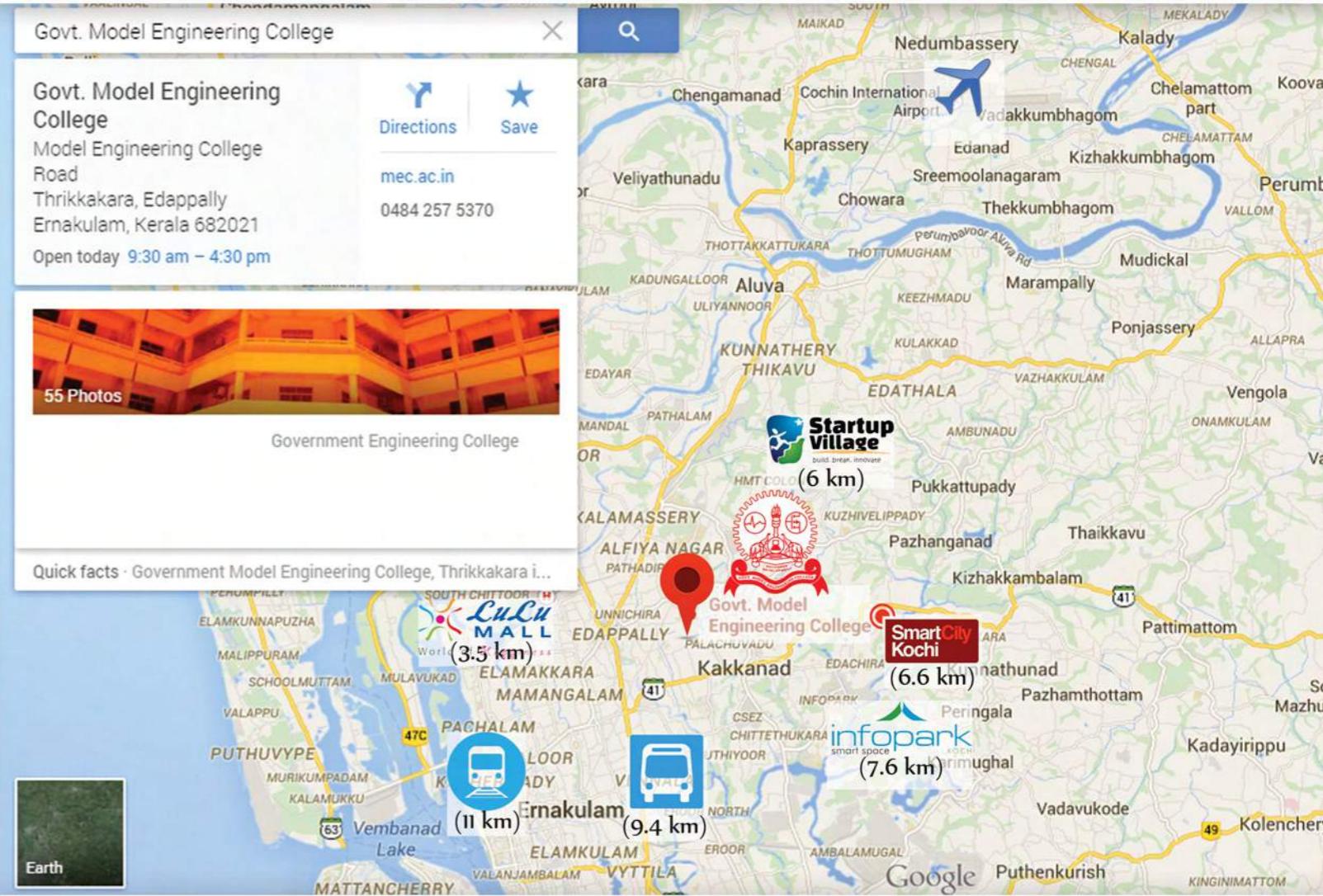
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