



PLACEMENT BROCHURE 2015



Govt. Model Engineering College

The Principal's Desk

"With the ever changing world, the demand for well-trained engineers and entrepreneurs has risen. The competition in the industry has increased and so has the standards that define engineering. Govt Model Engineering College has always strived to excel in technical and managerial arenas. Over the past 25 years, our strong alumni placed in prominent companies have made us proud. Our placements over the years have increased with many eminent companies visiting our campus. We make sure that students are not just textbook driven but also believe in a holistic approach to nurture the latent skills of each individual. In a span of 25 years we have successfully made a mark in the corporate world. Our students have always set high benchmarks, competing with students all around the nation. I would like to invite your esteemed company to our campus and find the students you are looking for."



Prof. Dr. V P Devassia
Principal, Govt. Model Engineering College

The Placement Officer's Desk



"Govt. Model Engineering College has always been a forerunner in technical, academic and cultural activities. We have equipped our students with the necessary technical and leadership qualities to help them compete in the corporate world. Placement statistics have risen over the years, making our college the most sought after by students in the country. Our students, with a competitive and inquisitive mind have always made us proud by winning various competitions held by different companies and institutes. They have beaten the recession blues and got placed in prestigious companies. Our excellent alumni has made us proud with their presence in many eminent companies and their constant support even after their days in college. We believe in providing our students with the best of facilities and excellent faculty."

Dr. Jayasree V K
Placement Officer, Govt. Model Engineering College

- Established in: 1989
- Location: Thrikkakara, Kochi
- Established under: IHRD
- Affiliation to: Cochin University of Science and Technology
- Courses offered: B.Tech (Full time and Part time), M.Tech and Research Programmes.



"To evolve into an academy of excellence
To serve the emerging knowledge based society"

Govt. Model Engineering College, was established under the Institute of Human Resources Development (IHRD) by the Government of Kerala, in the year 1989. The college, with its affiliation to Cochin University of Science and Technology (CUSAT) has its curriculum updated periodically to equip the students with the latest technology and to familiarize them to the trends of the competitive industry. Within a short span of 25 years, it has succeeded in emerging as one of the best engineering colleges in the country. The college has been ranked high in various surveys conducted by reputed magazines such as Mint and Outlook. The college admits meritorious students, based on their performance in the Kerala Entrance Examination for the undergraduate and GATE for the postgraduate courses. The college has been witnessing outstanding placements over the years.

Govt. Model Engineering College has carved a niche for itself in today's competitive world, by nurturing its students with quality education and proffering to the corporate world substantially, with professionals ranging from technocrats to entrepreneurs.

In the survey conducted by **OUTLOOK** 2013, Govt. Model Engineering College was ranked **5th in terms of Return on Investment**. In the same survey, MEC secured **46th position among the top 100 Engineering Colleges** in India and is the **only college from Kerala to make it to the top 50**.

In the **CSR-Global Human Resource Development Centre** ranking of year 2013, Govt. Model Engineering College was ranked **14th among the top 50 Government engineering colleges** in the country.

 **Microsoft** **amazon.com** **cādence** **FACTSET** **Bharat Petroleum**
are a few among the top companies that have been visiting the campus. It 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 and post course internships include



MECians have always secured the top ranks in the CUSAT examinations. The 2013 batch of B.Tech Electrical and Electronics Engineering bagged the top 6 ranks.

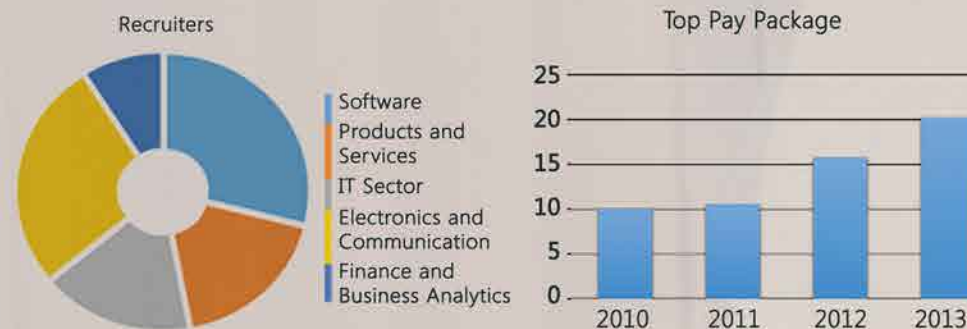
Govt. Model Engineering College was the first recognised engineering college under CUSAT to be a research center. DST sanctioned ₹ 77,00,000 for the infrastructure development under FIST.

Placements

Industrial Interaction

The Placement Cell of Govt. Model Engineering College is a fully student coordinated body which works under the guidance of the Principal and the Placement Officer. The placement cell organises training sessions and is responsible for organising the placement activities of the college. Placements have increased over the years with top companies recruiting from the campus.

Recruiters Speak



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



"MEC ROCKS."



"Just Amazing. This is by far the best campus interview experience I had. It is difficult to reject as everybody is good, we had a tough time."



"AWESOME."

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



"Unique Students with best skills for networked society."



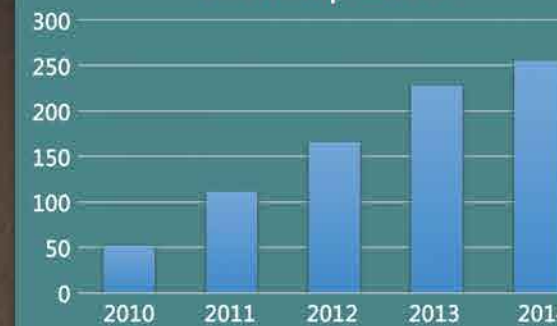
Govt. Model Engineering College was ranked 4th in terms of industrial interaction in the survey conducted by the MINT Magazine. Mint magazine is the business daily of Hindustan times, in collaboration with Wall Street Journal.

The students take the initiative to go for internships to get an exposure to the corporate world which has succeeded in moulding them into better professionals.

Companies Offering Internship



Internship Offers



PSoC lab set up by CYPRESS

Labs with CUDA facility set up by NVIDIA.

Representatives for Google and

Member of MICROCHIP consultant program

Workshops and Seminars



Electronics and Biomedical Engineering

First college in India to receive NBA accreditation for the course.

CURRICULUM:

Electronics: Digital Electronics, Integrated Circuits and Systems, VLSI Design Digital Electronics, Microprocessor.

Biomedical: Bio Instrumentation, Bio Signal Processing, Medical Image Processing.

Computer Science: C, Object Oriented Programming, Computer Graphics, Computer Communications.

LAB FACILITIES:

Includes Bio Signal Processing lab, Bio Engineering lab, Analog Circuits lab, Digital Electronics lab, Biomedical Projects lab.



Electrical and Electronics Engineering

The curriculum incorporates electrical with electronics concepts.

CURRICULUM:

Electrical: Electrical Machines, Electric Circuit Theory, Industrial and Power Electronics, Control Systems, Power System.

Electronics: Digital Signal Processing, Microprocessor, Electronic Instrumentation, Linear Integrated Circuits.

Computer Science: C, Computer Communication, Digital Image Processing.

LAB FACILITIES:

Machines lab, Microprocessor lab, Electrical Engineering lab, Power electronics lab.



Computer Science and Engineering

Ranked as one of the best technical programs in the country.

CURRICULUM:

Computer Science: Object Oriented Programming, Computer Networks, Operating System, Security in Computing, Data Structures and Algorithms, Database Management System, Computer Graphics, Software Architecture, Mobile Computing, Web Commerce,

LAB FACILITIES:

Includes lab systems with CUDA assistance, LAN and WAN terminals, Standard Blade Server.



Electronics and Communication Engineering

Emphasis on application of Electronics in Communication Systems and Signal processing.

CURRICULUM:

Electronics: ASIC, VLSI, Embedded Systems, Hardware Modelling, Microelectronics & Integrated Circuits, Mechatronics.

Communication: Optoelectronics & Communication, Microwave Techniques & Devices, Digital Signal Processing, Radio Communication.

Computer Science: C Programming, Intelligent Systems, Computer Communication and Networks.

LAB FACILITIES:

Circuit Design lab using EDA, LabVIEW, Microprocessor lab, Communication lab with Microwave technology, Signal Processing lab.



Electronics with specialization in VLSI and Embedded Systems

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

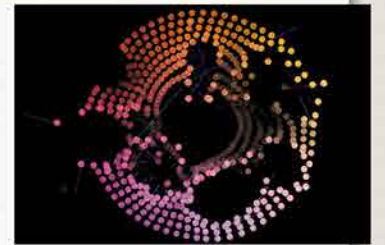
Department consists of labs like High Speed Design lab, VLSI Physical Design lab, Advanced microcontroller lab and Embedded Systems lab. Have EDA tools like Mentor graphics, Altium Designer, HFSS, Xilinx ISE, PSoC 5, Altium nano board, ARM 9.



Computer Science with specialization in Image Processing

Course teaches engineers the core concepts through various topics like Pattern Recognition, Multimedia Systems, Advanced Computer Graphics, Medical Image processing.

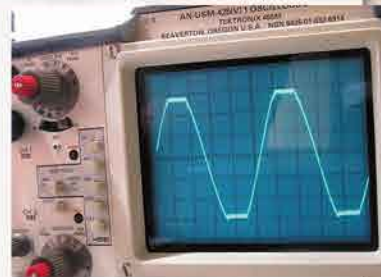
Computer Graphics lab and Image Processing lab are some of the labs under this department.



Electronics with specialization in Signal Processing

Fundamental subjects on Signal processing like Adaptive Signal Processing, Multidimensional Signal Processing, Artificial Neural Networks form the essence of this course.

Labs with research interests in MATLAB and Image processing techniques.



Mechanical Engineering with specialization in Energy Management

Subjects of industrial importance are Solar Energy Engineering, Process Reliability Engineering, Energy Conversion Systems.

Solar Engineering lab and Computational lab are the labs set up under this department.



Electronics with specialization in Optoelectronics and Communication Systems

Modern Research and Industrial subjects like Optical Communication Technology, Laser Optics, Biophotonics, Laser Spectroscopy form the base of this course.

Labs like Optoelectronics lab give the chance to gain practical knowledge in this emerging field.



Research Programs

Research is done in the field of Electronics with specialization in Signal Processing, Image Processing and Optical Communication.

Projects under AICTE and Research Promotion Scheme have funding over 35 lakhs.

Achievements

Achievements



MECians have been part of GSoC since 2009. Narayanan K (2010 batch), Sarath Lakshman (2011 batch), Anurup Raveendran (2011 batch), Arun Scaria (2012 batch) and Renil Joseph (2016 batch) got selected for this prestigious event. Sarath Lakshman has been a participant for three consecutive years 2009, 2010 and 2011.

Joe Mathai (2015 batch) was selected as the Google Student Ambassador for the year 2013.



Binu Jacob (2006 batch) won the Microchip Excellence award in 2013.



John S Perayil (2014 batch) was awarded the 2nd prize in Hackathon, a national level app development competition conducted by Innoz Technologies, held at Bangalore.

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



Livin D Cruz and Vineesh P (2013 batch) bagged the first prize at the state level of Aspirations 2020, a coding competition organized by Infosys. It is a programming contest conducted as a part of their Campus Connect Program in 2011.

Sarath Lakshman (2011 batch) is the author of 'Shell Scripting Cookbook'. He also holds credit as the developer of SLYNIX, (vwww.slynix.org) a user friendly GNU/Linux distribution.

Eobin George, Manu Mammen and Sreejith N G (2011 batch) and Sabu George (2012 batch) received IEEE funding worth \$1200 for their project on Air Surveillance System and Damage.



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

Niyaz K Zubair (2005 batch) is a recipient of the special KVPY Award from IISC.



Pooja Malpani and Roshan James (2002 batch) bagged Microsoft's Most Valuable Professional award in 2003 and 2004.

Jacob Cherian (2005 batch) was selected as the 'Dell Inventor of the year' in 2005.



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



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

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



Sandeep Parameswaran Nair (2000 batch) is the co-inventor of provisional US Patent on Seizure Control 2007.



Australian National University

Mithun Koshy Alexander (1999 Batch) was selected as the International Student Ambassador of the Australian National University in the year 2003. He has been part of the Ministerial Advisory Council for the Multicultural Affairs and reported directly to the Chief Minister of the Australian Central Territory.

Shanavas M S (1997 batch) was placed 12th in the 9th International Design competition, Osaka conducted by the Japanese Design Foundation among 1069 contestants from all over the world.



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

Cejo K Lonappan (2004 Batch) is a part of the team from the University of California at Los Angeles who implemented the real-time image processing hardware design for the world's fastest camera.



Clubs & Societies

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Academic Clubs



Mixed Signals is the community of Electronics and Communication Engineering students of the college. It focuses in developing interest in electronics among students by conducting workshops and seminars.



MEC Association of Computer Students is a platform where the students are familiarized with the latest technologies in the industry. Apart from conducting Linux week annually and hosting coding events in the campus, the club takes up the responsibility of maintaining web, mail and FTP servers of the college.



Electrical Minds Forum is the association of Electrical and Electronics Engineering students of the college. It was initiated to promote technical interests in the field of electrical technology by conducting seminars and workshops.



Bio Medical Association is the endeavour of Electronics and Biomedical Engineering students to inculcate interest in the branch. It has successfully organised numerous talks, seminars, conferences, exhibitions related to the field.



Association of Silicon Innovators for Community is the association of VLSI and Embedded Systems students. It attempts to nurture the technical skills of the students and supports the student project initiatives in the campus.

Other professional Clubs

IEEE & WIE student chapters of the college, the largest of its kind in Kerala helps the students gain access to the latest technical research and discoveries. They provide the link to the largest professional network of engineers around the world.

Rewarded as the second best IEEE SB in Kerala.

The clubs' activities range from conducting technical symposiums and competitions to organizing industrial visits.



E-Cell, the entrepreneurship cell of the college, conducts events that intend to inculcate entrepreneurship skills in the students.

Sociopreneur, a Business Plan competition is one of the highlighting events of E-CELL.



Social Activity Clubs

The MECian chapter of **NSS** constitutes an active group of students with a clear vision to promote social conscience among the new generation.

It has successfully organised campaigns to promote anti ragging, health awareness, family welfare, AIDS awareness and blood donation camps.



Thanal is the social welfare club of Govt. Model Engineering College. The club organises many charitable events for the benefit of the society and have made contributions to the less privileged.

It has been able to work relentlessly for the society with weekly and monthly activities that involves the students and staff diligently.



Highlighting Events

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National level techno-managerial symposium hosted by Govt. Model Engineering College in association with IEEE SB.

Host to TEDxMEC, an independently organized TED event.

Devcon '13: The Developer's Conference, organized in association with ICFOSS, is an initiative to Foster Students contribution to Open Source projects, encouraging them to use open web technologies and to drive new developers to the open source community.



Techno-managerial summit organised by the Yi-Net chapter of Govt. Model Engineering College.

Adjudged the best Yi-Net event in 2006 at CII member's summit held in Mumbai.

Prominent speakers who have graced the occasion include Mr. Kris Gopalakrishnan, Mr. Sam Pitroda, Dr. K Radhakrishnan, Mr. Sarath Babu, Mr. Suhas Gopinath.



National level business plan competition encouraging students to innovate in socially viable ideas and products.

Hosted by E-Cell, the entrepreneurship club of college, with a tagline "Think Different For a Change".

The event has seen participants from all over India including Mumbai, Pune, Kolkata, Chennai, Hyderabad, Bangalore, Delhi, Patiala and cities across Kerala.

The Illuminati Quiz

In memory of Sandeep Menon

The national level quiz competition of Govt Model Engineering College with a prize money of ₹ 50,000.

Conducted in memory of late Sandep Menon, who founded Illuminati, the quiz club of college.

The competition has seen contestants from top colleges all over India.



Technical Workshop Marathon is a joint endeavour by IEEE Student Branch and ASIC, the association of M. Tech VLSI and Embedded Systems students of the college.

A month long event conducted annually to instil knowledge in core areas of different branches of engineering.

Main topics dealt in the workshops include 8051, PIC, GNU Octave, VHDL, Verilog and FPGA, ASIC Design using VLSI CAD Tools, Linux, uClinux, ARM7 processors and PSoC.

xMEC

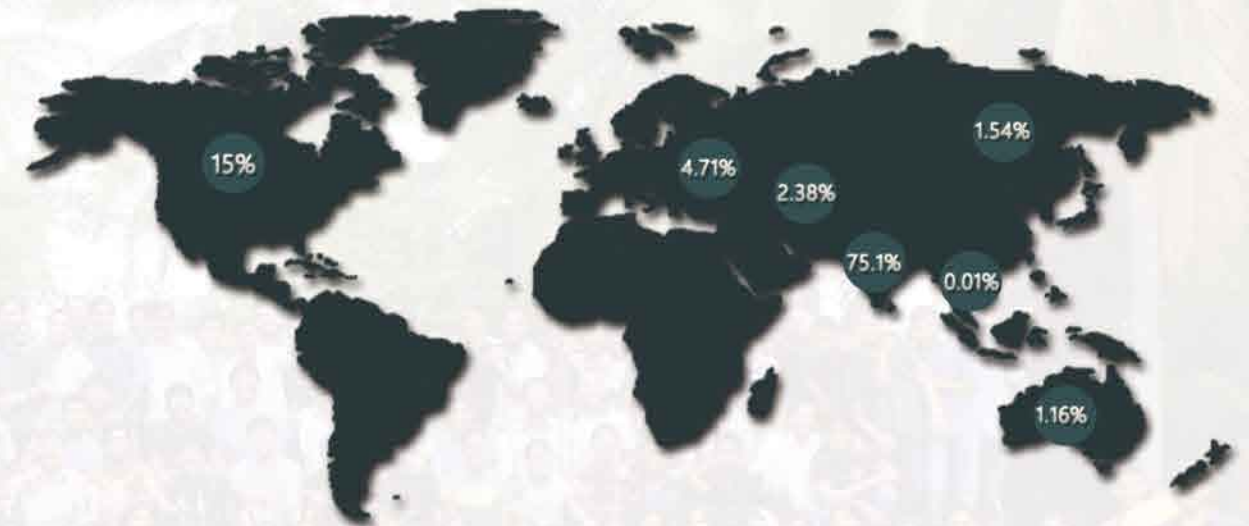
xMEC, the alumni association of Govt. Model Engineering College have actively participated and assisted in various college events over the years. Their many endeavors include the XSA scholarship and Praveen Das Memorial Award to encourage the students in their academics and career. xMECians have always been an inspiration and support to the student community in the college.



MECian Startups



MECians Around the Globe



- Name: Jacob Cherian
- Current: Architect-Data Management, Dell
- Dell 'Inventor of the Year' in 2005
- Owns 9 patents in RAID technology

- Name: Rosh Cherian
- Current: Chief Technology Officer, Cognicor
- Cognicor won the award for the 'Best Web Start up Company' in the European Union

- Name: Shahnavaaz Kadavil
- Current: Country Manager-India, Zynga
- Featured among India's 151 tech heads in the anniversary edition of the Exhibit Edition

- Name: Cejo K Lonappan
- Current: Graduate Student Researcher, UCLA
- Member of team which designed the Real-time image processing hardware design for the world's fastest camera

- Name: Haroon Shahul
- Current: Cheif Executive Officer, Wataniya mobiles, Maldives
- 2nd largest communication company in Maldives



MEC in Spotlight



In the heart of Kochi



Contact Us

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