

# ENGINEERING REDEFINED



Institution Code : IES



**IES** COLLEGE OF  
ENGINEERING



**TRANSFORMING  
EDUCATION  
FOR A CHANGING  
WORLD.....**





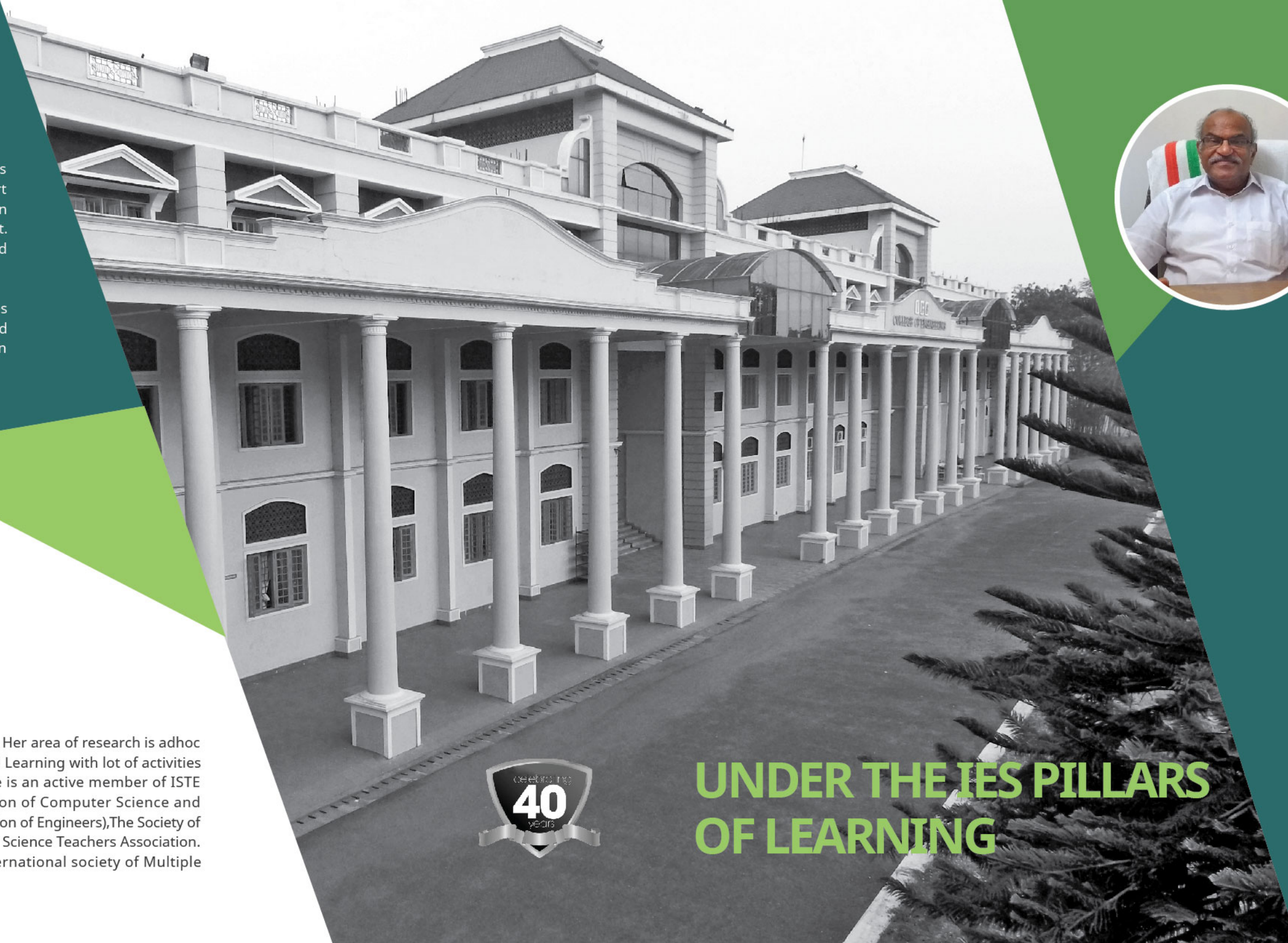
IES College of Engineering (IESCE), the flagship institution of IES Education City, is conceived and developed as a hi-tech technical training institution with state of the art facilities conforming to the specifications of All India Council of Technical Education (AICTE), New Delhi, APJ Abdul Kalam Technological University and University of Calicut. Dr V. S Pradeepan is the Principal. He leads a team of highly qualified and dedicated HODs and faculty members.

IES is proud of having an overall strength of around 2000 students, a fleet of 50 buses and separate hostels for boys and girls with modern amenities. The College is governed by Board of Directors who brings to the table more than 40 years of experience in running educational institutions in International arena.



**Dr. S Brilly Sangeetha**  
Principal  
(Ph. D in CSE, M.E in CSE )

Dr. S. Brilly Sangeetha has 13 years of experience in teaching and 4 years in research. Her area of research is adhoc networks and security. She is a successful professional and trust in Student Centered Learning with lot of activities to build them in the right way for the development of the inter-personal skills. She is an active member of ISTE (The Indian Society For Technical Education) IEEE, IACSIT (International Association of Computer Science and Information Technology) ,IE (The Institution of Engineers) ,IAENG (International association of Engineers),The Society of Digital Information and Wireless communications (SDIWC),Internet Society, Computer Science Teachers Association. (CSTA),Universal Association of Computer and Electronics Engineers.(UACEE), International society of Multiple Criteria Decision Making (MCDM).



## UNDER THE IES PILLARS OF LEARNING



**Dr. M I Thamban**  
Academic Director  
B.Sc (Engg), M.Tech (Foundry Engg), PhD (IIT Chennai)

Dr.Thamban always had fascination for promoting technical education and served in MA College of Engineering for 33years, retiring as Professor in 2000.Afterwards, he was the driving force in the grooming up of many engineering colleges in government sector and self financing sector, from their inception period. He served as Principal in engineering colleges under Kannur, Cochin, MG and Kerala Universities.

### ► VISION

To function as the repository of a rich accumulation of information, knowledge and wisdom, providing a seamless service to the next generation global citizens through accessible, holistic high quality educational and creative endeavours that expands the realm of knowledge, by facilitating learning that lasts a lifetime through a variety of instructional settings across a wide range of academic disciplines.

### ► MILESTONES

- MoU Signed with
  - \* UTL Technologies, Bangalore.
  - \* Livewire, Chennai.
  - \* Spark Technomedia, Kerala.
  - \* Reliance Jio
- Moulded more than 4000 Engineers
- Microsoft Campus Agreement
- TCS – iON Campus Agreement.

### ► MISSION

To create multi-disciplinary, multi-generational learning communities where the academia converges in the pursuit, generation, dissemination and application of knowledge promoting a rich intellectual, technological, cultural, socially committed and self-motivated lifelong learners with diverse interests, building a global community of scholars dedicated to high quality teaching and learning.

- Technical Events in Collaboration with IITs.
- National Level Seminars, Conferences & Workshops.
- IEEE Funded projects.
- Research and Development Centre.
- Centre for Excellence.
- Dream Placements.



## B. TECH (4 years / 8 semesters)\*



Civil Engineering



Computer Science And Engineering



Electronics And Communication Engineering



Electrical And Electronics Engineering



Mechanical Engineering



## M. TECH (2 years / 4 semesters)

\*A Student, having a diploma in the respective discipline can seek lateral entry in the 2nd Year / 3rd Semester

GEOTECHNICAL ENGINEERING | VLSI DESIGN | COMPUTER SCIENCE & ENGG.

### VALUE ADDED COURSES

LINUX REDHAT, CCNA Networking : Enables students to get details about networking, Embedded system Technology.

TOTALSTATION, STAAD PRO : Lays the foundation for structural Designing in Civil Engineering.

ANSYS, Mi Power : A complete tool for Power and Communication System.

PLC, SCADA , AUTOCAD, MATLAB, XILINX, CADENCE, LABVIEW, EDWINXP : Excellent Training in Mechanical Electrical Plumbing.

# EXPLORE YOUR FUTURE »



# DEPARTMENT OF CIVIL ENGINEERING



Dr. S Kamalakannan  
Head of the Department / Associate Professor  
M.Tech (Environmental Engg), PhD (Environmental Engg)



## ABOUT CE (B. Tech)

The Department of Civil Engineering is a part of the institution since its inception. The faculty members are well trained in academic and research activities and are drawn from prestigious educational institutions.

Indian economy has been booming and the infrastructure sector has seen hectic activity. Consequently Super Structures and Engineering Marvels have come up in a short time. Hence the demand for Civil Engineers has escalated. The Civil Engineering dept. at IES does not spare any effort to create outstanding engineers with advanced techniques, employing professional teaching methodologies.

Students are not only made experts in technical aspects but also in the interpersonal skills, a vital ingredient for them to excel in a fast paced world today. The faculty of the CE Department undertakes consultancy related to topographic surveying, contour mapping, design of multi-storeyed structures, and foundation design etc.



## CAREER OPPORTUNITIES

Construction activities includes Water works, Sewers, Dams, Power plant and Transmission, Towers, Railroad, Highways, Bridges, Tunnels, Irrigation canals, Traffic control, Airport runways and Skyscrapers etc.

## ADVANCED LABORATORIES

**CIVIL ENGINEERING WORKSHOP :** To impart knowledge and technical skills on basic Civil Engineering practices such as masonry, surveying, modelling etc.

**SURVEY LAB :** To impart training in Chain, Compass, Plane table and Total Station surveying & Levelling.

**MATERIAL TESTING LAB :** To study strength aspects of concrete and metals

**GEOTECHNICAL ENGINEERING LAB :** To provide testing facilities for determining engineering properties of soil and rock.

**TRANSPORTATION ENGINEERING LAB :** To conduct experiments in the fields of rigid and flexible pavements and testing pavement materials.

**ENVIRONMENTAL ENGINEERING LAB :** To conduct laboratory tests for water quality assessment

**CAD LAB :** To familiarize Civil Engineering application software such as AUTO CAD, STAAD, MSC, FEM software, Arch GIS etc.

## M. Tech. GEOTECHNICAL ENGINEERING

IES College of Engineering recognizes the importance of Geotechnical Engg. Considering it as a social responsibility, IES has introduced M. Tech in the area of Geotechnical Engineering course in the department of Civil Engineering. IESCE is the first self financing college in Kerala to offer this course.





# DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



Ms. Shemitha P A  
Head of the Department  
(M.Tech – Computer Science and Engineering )



## ABOUT CSE (B. Tech)

The Department of Computer Science and Engineering was started in 2003. The dept. provides a platform for grooming youth into creative professionals so that they get excellent job opportunities in a challenging environment. Computer Science Engineers are the backbone of any industrial and commercial application worldwide.

The curriculum is updated regularly to keep in line with the growing demands and the changing trends of the software industry and research laboratories. The students are exposed to core Computer Science areas like Programming, Network, IT Architecture, Theory, Logic and Web. Our campus is Wi-Fi enabled and has a high speed internet facility. The department tries to create an intellectually stimulating learning environment and encourages mentoring the students by its competent faculty members. Several of its faculty members have rich industrial experience and this helps the students to get the right balance of theory and practice. Our graduates have excellent academic achievements, communication skills and they are also placed at MNCs and other IT companies across the world.



## CAREER OPPORTUNITIES

Department prepares students to pursue leadership, technical and management system in number of industries such as IBM, INFOSYSIS, WIPRO, TCS, SUTHERLAND, POORNAM INFOVISION, OPINE etc.

## ADVANCED LABORATORIES

**PROGRAMMING LAB :** Provides skills in problem solving concepts through learning various languages like C, C++, PYTHON, JAVA etc.

**HARDWARE LAB :** Imparts basic concepts of Computer hardware, Micro processor, Interfacing methods and Devices along with detailed study of important design issues.

**COMPUTER CENTRE :** Functions as a common internet facility for students and staff from all departments of the college.

**NETWORK LAB :** Provides an exposure to the working of various networking protocols, mode of operation of different types of networks, routers, interfacing standards and virtualization concepts using Cisco Packet Tracer.

## M.Tech - COMPUTER SCIENCE & ENGINEERING

The aim of the Master's programmes in Computer Science and Engineering is to train the students with deep theoretical and practical knowledge. Such knowledge will enable them to tackle complex problems of design and development in industrial fields, as well as to help them pursue further academic achievements through research.

The programme is designed to impart knowledge and skills through course work, seminars and projects, thesis work and thus caters to the needs of the Industry, R & D organizations and educational institutions.



# DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Dr. Lince Mathew  
Head of the Department / Associate Professor  
( Ph.D – Light Fidelity )



## ABOUT ECE (B. Tech)

Electronics and Communication Technology can improve the quality of life of the people. If such technologies are designed from the beginning, it would enhance the personal and work environment. Electronics and Communication blended together has made this world an ever shrinking global village.

The main objective of the department has always been to provide quality trained manpower as well as technical inputs primarily to meet the requirements of the Indian industries and the Indian R & D establishments. The faculties of the department are well experienced and qualified. This highly popular program trains students in broad areas of Microelectronics, VLSI design, Embedded systems, Communication Engineering, Networking, Signal Processing, Image Processing, Electromagnetics, Fibre Optics, Photonics, Control Theory, Nanotechnology, Artificial Neural Network, Digital Electronics, Medical Electronics, Microwave, Wireless etc.



## CAREER OPPORTUNITIES

Major companies that employ Electronics and Communication in India: BEL, BSNL, ECIL, DRDO, Intel, Samsung, Texas Instruments, Siemens, Bosch, L&T etc. Major companies in M. Tech -VLSI design: Cadence, Core EL Technologies, HCL, ST Microelectronics, Wipro etc.

## ADVANCED LABORATORIES

**VLSI LAB :** Provides hands on experience to students in analog, digital, mixed signal circuit design.

**COMMUNICATION SYSTEMS LAB :** Provides knowledge about microwave and optical communication.

**ANALOG & DIGITAL COMMUNICATION LAB :** Imparts knowledge regarding communication circuits.

**MICROPROCESSOR AND MICROCONTROLLER LAB :** Imparts knowledge regarding microprocessor programming, interfacing and debugging. interfacing standards & virtualization concepts using Cisco Packet Tracer.

**DIGITAL ELECTRONICS LAB :** Provides experience on design, testing and analysis of digital circuits.

**ELECTRONIC CIRCUITS LAB :** Implements design and set up of basic circuits

**R & D LAB :** Provides facility for Projects and Research activities and has bagged nine IEEE funded projects.

**The softwares used in various Laboratories are :** CADENCE, EDWINXP, LAB VIEW, MATLAB, XILINX.

## M.TECH. - VLSI DESIGN

The objective of this post graduate course is to create professionals in the emerging field of integrated circuits with a view to meet the complex demands of the present electronics world. PG in VLSI Design is aimed at developing experts with focus on technical capabilities and to impart training in designing complex circuits. The course aims to introduce students in designing of Very Large Scale Integration (VLSI) microelectronic circuits, focusing on back-end integrated circuit design (custom transistor-level layout as well as design flow based on standard cells) using the latest Electronic Design Automation (EDA) tools.





# DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



Mr. John Chembukkavu  
Head of the Department  
(M.Tech in EEE)



## CAREER OPPORTUNITIES

Leads to high potential careers in the areas of R & D, Design Engineers, Electrical Installation and Commissioning, Process Control and Instrumentation Engineering, State Electricity Board, Communication and IT, Railways, BSNL etc.

## ADVANCED LABORATORIES

**ELECTRICAL MACHINES LAB :** To study the performance of Electrical motors, Generators and Transformers.

**ELECTRICAL MEASUREMENTS LAB :** Used for teaching Calibration of various electrical measuring instruments and measurement of different physical parameters using transducers.

**POWER ELECTRONICS LAB :** To familiarize the various Electrical Power Devices & Motor Control Circuits.

**ADVANCED ELECTRICAL ENGINEERING LAB :** To provide familiarisation with control system concepts using hardware and simulation experiments.

**DIGITAL ELECTRONICS LAB :** To assemble and testing of digital circuits using digital, microprocessor and micro controller kits

**SIMULATION LAB :** To impliment advance simulation projects using MATLAB tool box, Mi Power and ORCAD.

**BASIC ELECTRICAL ENGG. LAB :** To verify the basic laws of Electrical Engineering

**ANALOG ELECTRONICS LAB :** To study the characteristics of various electronics components.

**ELECTRICAL WORKSHOP :** To familiarize the Electrical wiring systems also soldering practise and PCB fabrication techniques.



## ABOUT EEE (B. Tech)

EEE department is the field for those who love working with electrical systems - ranging from large power generators to the smallest of microchips. This stream involves design, manufacture, installation, operation and management of electrical systems that underpin and contributes to improving the quality of life. The course curriculum includes a part of Electronics and deals with communication, microprocessors, Digital and Analog Electronics giving the student a wide range to excel in. The EEE Department uses new-age information and computer-intensive technologies.

The Department is equipped with eight full fledged Laboratories along with a Department Library and a Seminar Hall. The laboratories have modern equipment and the latest software

EEE department is one of the basic engineering course, it provide opening for many other engineering branches. EEE is a subject that naturally partners with other disciplines to open whole new engineering avenues.



# DEPARTMENT OF MECHANICAL ENGINEERING



Mr. Shillin K S  
Head of the Department  
M.Tech (Internal combustion engines and  
turbo machinery)



## ABOUT ME (B. Tech)

Mechanical Engineering is a conventional and internationally acclaimed discipline of engineering. It is essential for a wide range of activities that include design, development, manufacture, management, and control of engineering systems, subsystems and their components.

Mechanical Engineers are an integral part of manufacturing, automobile, aerospace, materials, chemical, pharmaceuticals and other co-industries to name a few. Rapid technology advances has given the opportunity for the Mechanical Engineer to be associated with Computer Aided Design (CAD) and manufacturing, robotics, bio-engineering, environmental engineering, wind and solar energy utilization and space exploration. The depth of the field provides a challenging and rewarding career for the Mechanical Engineer.

Mechanical Engineering Department aims to promote and enhance the technical competency and professional well-being of its members & to enlighten the society through quality programmes, Industry - Institution Interaction and activities in Mechanical Engineering.



## CAREER OPPORTUNITIES

The most conventional career in this field is Design and Manufacturing Engineers for companies such as Automobile, Machine tool industry, Refrigerator, Aerospace, Oil and Gas industries etc. Today, it is integrated with Electrical, Electronics and Computer engineering (Mechatronics). The major recruiters are L&T, Ashok Leyland, Godrej, Mahindra, ONGC, SAIL and others.

## ADVANCED LABORATORIES

**MECHANICAL WORKSHOP :** Equipped for seven skill sets like Carpentry, smithy, foundry, Fitting, Sheet metal works, Welding, Plumbing.

**PRODUCTION LAB 1 :** Equipped with lathes to teach basic operations like plain turning, threading etc.

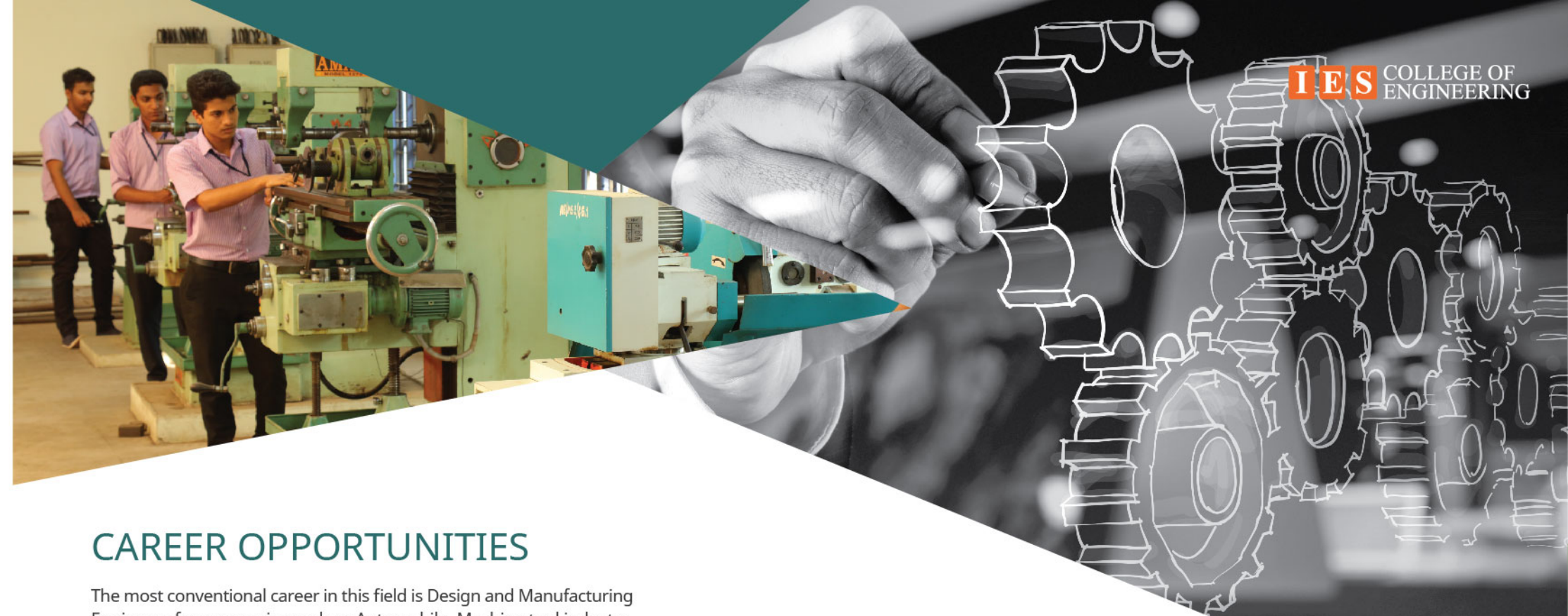
**PRODUCTION LAB 2 :** Equipped with machines to teach the students different process of manufacturing mechanical components.

**HYDRAULICS LAB :** Equipped with test rigs and hydraulic machines used in study of hydraulics functions.

**THERMAL LAB :** Equipped with thermal test equipment and heat engines to teach the students various aspects of commercial vehicle engines.

**INSTRUMENTATION LAB :** Equipped with various measuring instruments to study measuring methods used in various industries

**CAD CAM LAB :** Equipped with 3D modeling software and CNC machines in order to study new generation methods of manufacturing.





# IESCE Training & Placement Centre

The Training & Placement Centre is committed to provide all possible assistance to its graduates and post graduates in their efforts to find suitable employment. It utilizes the IESCE State of the art language lab to improve the communication and presentation skills of the students so as to empower them to secure placements. The Training and Placement Centre interacts with reputed organizations all over the country for arranging campus placements for final year students. The Centre has been successful in placing more than 2000 candidates in various MNC's such as Infosys, TCS, IBM , Wipro, Suntec, Anoralabs, Amazon, Oracle and Reliance to name a few of our recruiters. The centre is committed towards grooming professionals and creating employable students to attain 100% placements.



Mr. V K L Mohanan  
Training & Placement Officer

## DREAM PLACEMENT



REVETHY M S (EEE)  
Anora Labs



REMYA S NAIR (EEE)  
Anora Labs



ARUN K N (EEE)  
Anora Labs



DILNA K SALIM (CE)  
Fine Constructions



RIJOY C C (CE)  
Fine Constructions



HAMNA (CE)  
Fine Constructions



AISWARYA  
RAJAGOPALAN (CE)  
Fine Constructions



INSHA  
MOHAMMED RAFI (CE)  
Fine Constructions



VISHNU PRAKASH (CSE)  
Xeoscript



ALWIN LAZAR V (CSE)  
Xeoscript



AJITH RAMESH C R (CSE)  
Xeoscript



ASWIN KUMAR P M (CSE)  
Xeoscript



NIBIN SASIDHARAN (CSE)  
Xeoscript



ANUVINDA P S (AEI)  
Support Sages



VISHNU NAIR V P (CSE)  
Support Sages



RESHMA  
JOHNSON (ECE)  
Poornam Infovision Pvt Ltd



KRISHNA PRASAD K S (EEE)  
Suther Land  
Global Services Pvt Ltd



FAHIM (CSE)  
Suther Land  
Global Services Pvt Ltd



HARISH BAKKER (AEI)  
Suther Land  
Global Services Pvt Ltd



VARSHA RAJ (EEE)  
Suther Land  
Global Services Pvt Ltd

## STAR WALKERS



1ST RANK  
MS. SHILJA SURESHKUMAR (CE)



2ND RANK  
Feba Shibu (AEI)



4TH RANK  
Sreeraj Varma P C (AEI)



4TH RANK  
Jisha V Nair (CSE)

## OUR TOP RECRUITERS



## GOVERNING BOARD OF DIRECTORS



Mr. Mohamed Ali K P  
President



Mr. Syed Mohamed P T  
Sr. Vice President



Mr. Nabeel T K  
Vice President



Mr. Abdul Gafoor P  
General Secretary



Mr. Ummer N K  
Secretary



Mr. Mohamed Usman A T  
Secretary



Mr. Mohamed Rafeek  
Treasurer



Mr. Abdul Rasheed K P  
Director



Mr. Abdul Rahman V K  
Director



Mr. Aboo R V  
Director



Mr. Khalid T K  
Director



Mr. Kunhimon A V  
Director



Mr. Kunhumohamed K  
Director



Mr. Nabiyal C M  
Director



Mr. Shahid Ali Haji  
Director



## ► LOCATION MAP

CITY MAP - THRISSUR  
Distance: Thrissur Town to IESCE = 9.5 km



Admission Helpline : +91 487 230 99 66, +91 9562 80 10 66

NAAC  
NATIONAL ASSESSMENT AND  
ACCREDITATION COUNCIL OF  
INDIA



**IES** COLLEGE OF  
ENGINEERING

P.O. Chittilappilly, Thrissur Dt., Kerala, India - 680 551  
P : +91 0487 230 99 67 | E : mail@iesce.info | [www.iesce.info](http://www.iesce.info)  
Approved by AICTE & Affiliated to APJ Abdul Kalam Technological University

**IES** EDUCATION CITY  
COMMITTED TO EXCELLENCE