



IES COLLEGE OF
ENGINEERING



Prospectus for Admission to
B.Tech & M.Tech



**ENGINEERING
REDEFINED**

INSTITUTION CODE : **IES**

Admission Helpline :

0487 230 99 66, +91 9562 80 10 66



TRANSFORMING EDUCATION FOR A CHANGING WORLD.....

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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.

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.

MOTTO

"TRANSFORMING EDUCATION FOR A CHANGING WORLD"



Mr. Mohamed Ali K P
President

Mr. Mohamed Ali K.P is currently helming IES Education City, as President. He brings more than 45 years of global experience as he has held many senior positions in various industrial and engineering conglomerates. After his course in Mechanical Engineering, he started his career as an education-
alist in his hometown.

He was incorporated into the Government Water Authority, Doha Qatar as a mechanical engineer, which was the first of his several assignments in the Middle East region. Further, as Senior Project Engineer in Qatar Fertilizer Company, he accomplished a strong business and leadership record. His unfaltering and deep understanding of the educational, business and technical landscape in the region made him a notable personage in the Senior Management team at MES Indian School, Qatar. Mr. Mohamed Ali K P has spearheaded many initiatives which has increased the visibility and credibility of MES Qatar, as he has been in the forefront of many innovative and positive changes in an evolving academic scenario.

High-performing, strategic management professional with more than 30 years' experience in Food Industry, Mr. Syed Mohamed P T comes with a wealth of knowledge in organizational management and product marketing. His outstanding work has been in the areas of Foodstuffs trading, processing, and production line management.

Highly skilled at relationship building with clients across organizations and team, adept in assessing needs, generating options, and implementing management solutions in collaboration with stakeholders. He also comes with almost 20 years of experience in management of higher education sectors and instrumental as a founding member in the successful establishment of M.E.S Indian School in Doha, Qatar and I.E.S Education City in Trichur, India.



Mr. Syed Mohamed P T
Senior Vice President

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.

Dr.Thamabn had served as member of faculty for Engineering in MG University, member of Board of PG Studies in Engineering in CUSAT and was Chairman, Board of B.Tech studies in CUSAT.

He had published several technical papers in national and international journals and authored 3 non technical books. He is a life member of Institution of Engineering (India) as Fellow(F.I.E).



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



Inculcating Excellence in Students

IES EDUCATION CITY

Nestled in close proximity to Thrissur city and surrounded by the sylvan surroundings of the Vilangan Hills and lush green paddy fields, IES EDUCATION CITY is spread over more than 40 acres of verdant land at Chittilappilly. IES Education City is easily accessible as Thrissur Railway Station and KSRTC Bus Station are just a few kilometres away. The Cochin International Airport (Nedumbassery) is only 1½ hours' drive from IES Education City. In addition to the institutional bus fleet, private buses ply frequently right in front of the college campus.

IES Education City aims to promote Total Quality Education among the student community. The parent organization of IES is the MES (Middle-East Educational Services), which runs the MES Indian School(MESIS),at Doha in Qatar. The MESIS, established 1974, is committed to quality education and social emancipation. The school, affiliated to the Central Board of Secondary Education, New Delhi, is the 2nd largest expatriate school in the Middle East and the 3rd largest school in Asia. It also has the world's largest e-learning campus.

IES Education City houses premium CBSE School and Higher Education Institutions. The flagship institution is the IES College of Engineering. In addition, the campus includes the IES Public School, established in 1994; the IES college of Architecture.



IES COLLEGE OF ENGINEERING

IES College of Engineering (IESCE), the showpiece institution of the campus, 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 and APJ Abdul Kalam Technological University. Dr V S Pradeepan is the Principal. He leads a team of highly qualified and dedicated HODs and faculty members.

The College is governed by a Board of Directors who brings to the table more than 40 years of experience in running educational institutions abroad. The educational methodology focuses on Technical expertise and skill sets as well as personality development of the students, improving their talents and developing communication, managerial and administrative skills.



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).

SALIENT FEATURES

- An ISO Certified Institution
- Professional Management
- Centre of excellence
- Microsoft Campus agreement
- MoU Signed with
 - UTL Technologies, Bangalore.
 - Livewire, Chennai.
 - Spark Technomedia, Kerala.
 - Reliance Jio
- TCS – iON Campus Agreement.
- Research and Development Centre.
- IEEE Funded projects.
- Technical Events in Collaboration with IITs
- National Level Seminars, Conferences & Workshops.
- Anti Ragging cell
- Worship Centre
- Food court
- Personal attention to every student
- Regular assessment of the student
- Regular liaison with parents
- Well equipped modern workshops
- Digital Library
- Dream Placements
- College conveyance in all major routes
- Separate Hostel for both Boys and Girls
- Imparting professional ethics and value based character development programme
- Eco-friendly and serene campus with state of the art high-tech class rooms

EXPLORE YOUR FUTURE



COURSES OFFERED

B.Tech Courses

(4 years / 8 semester course)

- Civil Engineering
- Computer Science & Engineering
- Electrical & Electronics Engineering
- Electronics & Communication Engineering
- Mechanical Engineering

M.Tech Courses

(2 years / 4 semester course)

- M.Tech in Geotechnical Engineering
- M.Tech. in VLSI Design
- M.Tech. in Computer Science & Engineering

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

ADMISSIONS

The admissions to the B.Tech courses are carried out from the beginning of the academic year in the month of June. The first eligibility criterion for admissions is a pass in the Higher Secondary level (10+2) examination with minimum marks as prescribed by the Kerala Technological University/Govt of Kerala/AICTE. The second criterion is that the applicant must have appeared for the Entrance Examination conducted by State Government and secured a position in the rank list.

FEE STRUCTURE

Fees will be collected as per the stipulated Government rules for the course period.

ELIGIBILITY FOR ADMISSION

B.TECH *

- Candidates who have passed Higher Secondary Examination, Kerala or Examination recognized as equivalent thereto with 45% marks in Mathematics, Physics and Chemistry put together are eligible for admission under Management Quota in Private Self Financing Engineering Colleges / Government controlled Self Financing Engineering Colleges.
- Candidates should have qualified in the KEAM 2018.

* as per the KEAM prospectus 2018

NRI Candidates

- NRI candidates are not required to appear in KEAM 2018. Other qualifications and eligibility criteria are as same as applicable to management quota.

B.TECH (LET)

- Candidates who have passed Diploma in Engineering awarded by the State Board of Technical Education or Equivalent after undergoing regular course of three years study in an approved institution are eligible for admission.
- Rank in Entrance Exam 2018 for Lateral Entry Test (LET).

M.TECH

- The candidates shall have a B.Tech degree in the respective branch with minimum 60% marks for general category, 54% for SEBC and a pass for SC/ST.

FEE WAIVER SCHEME

The AICTE has empowered under section 10 (e) of AICTE act to formulate schemes for promoting technical education for women, handicapped and weaker section of society. We have already introduced Tuition Fee Waiver Scheme for women, economically backward and physically handicapped meritorious students since 2007.

SCHOLARSHIPS AVAILABLE TO STUDENTS

1. MOMA Scholarship

1st year Muslim/Christian B.Tech students can apply subject to the following conditions:-

- Should have secured more than 60% marks for +2 exams.
- Annual family income shall not exceed Rs. 2.5 lakhs.

Details are available in the website, www.momascholarship.gov.in

AMOUNT OF SCHOLARSHIP

Rs. 20000 per annum towards Course fee. Maintenance allowance of Rs.5000/10000 per annum.

3. C H Muhammed Koya Scholarship (MGS)

1st year Muslim/converted Christian girls students are eligible.

- Should have secured more than 50% marks in +2 exams.
- Family income shall not exceed Rs. 4.5 lakh per annum.

AMOUNT OF SCHOLARSHIP

- Scholarship of Rs. 6000 per annum
- Hostel stipend Rs.12000 per annum.

Details are available in the website www.dcescholarship.gov.in

2. Central Sector Scholarship (CSS)

- Students should have secured more than 80% marks for +2 exams
- Annual family income shall not exceed Rs. 6 lakhs

AMOUNT OF SCHOLARSHIP

Rs.10000 for first three years and Rs.20000 for the fourth year. Details are available in the website www.pfms.nic.in

4. E-GRANTZ

Scholarships are available for SC/ST/OEC/SEBC/FC students admitted under Govt. quota.

Scholarship is based on income for SCBC & FC. Annual family income of the students of SCBC & FC shall not exceed Rs. 1 lakh. No income limit for SC & OEC students. Scholarship benefits for various categories differ. More details are available in the website www.e-grantz.kerala.gov.in

DEPARTMENT OF CIVIL ENGINEERING (CE)



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.

OBJECTIVES

- To produce Civil Engineers of Excellence by imparting training and insight into vital areas of Civil Engineering, facilitating the construction of cost effective structures and super structures.
- To equip the students with sufficient knowledge allowing them to meet the challenges in the construction industry, be it planning and design or management.
- To create responsible engineers with a human touch who work for morally upright, sustainable and eco-friendly development.

M.TECH – GEOTECHNICAL ENGINEERING (DEPT. OF CIVIL ENGINEERING)

The never-ending need for infrastructure has forced development to take place in unsuitable ground and environmental conditions. Construction projects coming up in adverse ground conditions require experts with thorough understanding of geotechnical engineering for providing proper foundations for the proposed structures. IES College of Engineering has recognized the importance of Geotechnical Engineering and considering it as a social responsibility, took necessary steps to introduce M. Tech. Geotechnical Engineering course in the department of Civil Engineering. IESCE is the first self-financing college to offer this course in Kerala. It is the second college in the state to offer this course. The innovative methods of study in real life situations help the students get a good exposure to practical problems and their solutions. Students are given thorough training in surveying, planning, analysis, design and cost estimation of Civil Engineering structures including industrial buildings through intensive practical classes, mini and major projects, survey camps, field visits and project work. Experts in the field of Geotechnical Engineering conduct regular sessions/seminars for the students as well as faculty members.

ADVANCED LABORATORIES

- **CIVIL ENGINEERING WORKSHOP** : To impart knowledge and technical skills on basic Civil Engineering practices such as masonry, surveying, modeling etc.
- **SURVEY LAB** : To impart training in Chain, Compass, Plane table surveying and Levelling
- **MATERIAL TESTING LAB** : To study strength aspects of concrete and metal
- **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 AUTOCAD, STAAD, MSC etc.

TRAIL BLAZERS

- Ms. Shilja Suresh Kumar secured the **FIRST RANK** among the students of Civil Engineering batch under the University of Calicut
- Technical talk on “Major water quality issues in Kerala” was conducted for S1 and S3 students of B.Tech and M.Tech. Mr. Ajish V C, Assistant Engineer, Kerala Water Authority was the resource person.
- Invited talk on “Current Trends In Cement Industry” was conducted for the B.Tech and M.Tech students of Civil Engineering Mr. Sarath Vinod, Manager Technical, Ultratech Cements Ltd. Chennai was the resource person.
- One day workshop on “Finite Element Modelling” was organised for the M.Tech and B.Tech students. Session was handled by Er. Bennet Kuriakose, Head of Department, Mangalam College of Engineering.
- A one day workshop session – “Innovative Techniques in Infrastructure Development” was conducted by M/s Maccaferri Environmental Solutions Pvt. Ltd, India. The 7th semester B.Tech students, 1st and 3rd semester M.Tech students attended the workshop. Ms. Annapoorni Iyer, Assistant General Manager, Mr. S. Reginald, Design Manager and Mr. Anwar Mohammed, Sr. Regional Manager of M/s Maccaferri Environmental Solutions Pvt. Ltd delivered technical lectures and presentations regarding the state of the art technology and industrial practices in design and construction of Gabion walls, reinforced earth, Geosynthetics etc.
- Namitha V.N., (M.Tech, 2014 Batch) presented a paper in the Indian Geotechnical Conference, 2016 which was conducted at IIT, Madras.
- Ms. Aparna E M was awarded “IGS AISAT Award 2016” for the thesis entitled “Influence of Aggregate Filled Geocell Reinforcement On The Uplift Resistance Of Anchor Plate In Medium Dense Sand” as one among the best five M.Tech Thesis in Geotechnical Engineering in Kerala
- Every year, the department conducts a National Conference in Geotechnical Engineering under the title, “Innovations and Challenges in Geotechnical Engineering”.
- The thesis works of M. Tech students have been published in reputed journals and international conferences.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



OBJECTIVES

- To promote Research and Development in the frontier areas of Information Technology.
- To generate Competent Professionals for the Industry and Research Organizations at National and International levels.
- To provide necessary strength enabling the students to innovate and become Entrepreneurs.

M. Tech. – COMPUTER SCIENCE AND ENGINEERING

Aim of the Master's Degree in Computer Science and Engineering is to equip the students with knowledge to tackle complex practical problems of IT design and development in industrial fields, as well as The help them pursue further academic achievements through research. The programme is designed to impart knowledge and skills through course work, seminars and project, thesis work and thus cater to the needs of the Industry, R & D organizations and educational institutions. The field of Computer Science and Engineering deals with the design, analysis, implementation and application of computation and computer technology. The breadth of Computer Science and Engineering lies in the understanding of the general areas of software systems, hardware, theory and applications.

The two-year post graduate programme is intended to train the student in advanced areas in the core courses as well as specialized topics in the emerging technology. The curriculum includes Algorithms and Complexity, advanced topics in Operating System design, Database Design, Compiler Design, Digital Communication techniques and Project Work.

ADVANCED LABORATORIES

- PROGRAMMING LAB : Provides skills in problem solving concepts through learning various languages like C, JAVA etc.
- HARDWARE LAB : Imparts basic concepts of computer hardware, microprocessor, interfacing methods and devices, along with detailed study of important design issues.
- COMPUTER CENTRE : Functions as a common computer centre providing 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 and interfacing standards.

TRAIL BLAZERS

- Placement assured certification course in "NETWORK SECURITY" by UTL Technology PVT. Ltd. Bangalore.
- Students attended Industrial Training in Aabasoft, Infopark, Peotive, Kinfra Hightech Park, Kites Software Private Limited., Iconnut Solutions and Xeo script Technology.
- An Entrepreneurship Development Cell (EDC) is functioning in our department with the intention of developing entrepreneurship skills of the students.
- PMKVY (Prime Minister's Kausal Vikas Yochana) programme was launched by UTL Technologies Regional Head Mr. Arvind Govindaraj.
- Research and Development Centre was opened in our department. It provides working ambience to the students apart from academic knowledge.
- Signed an MoU with UTL Technologies and LIVEWIRE Pvt. Ltd.



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 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.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING (ECE)



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

B.TECH – ELECTRONICS AND COMMUNICATION ENGINEERING

The Department of Electronics and Communication Engineering was constituted in 2003. The main objective of the department right from its inception is to provide high quality trained manpower as well as technical inputs primarily to meet requirements of the Indian industries and Indian R & D establishments. The faculty of the department are experienced and well qualified. This 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, Digital electronics, Medical Electronics, Microwave, Wireless, Satellite Communication etc.

OBJECTIVES

- To impart up-to-date technical knowledge and skills to produce competent engineers in areas of Electronics and Communication Engineering, who will make qualitative difference in this field.
- To inculcate a professional culture and develop capability to utilize engineering skills in industry, research centers, and national laboratories and entrepreneurship.
- To train the students to be original thinkers with creativity and innovation.

M.TECH – VLSI DESIGN

The PG in VLSI Design is aimed at developing experts with foci on technical capabilities and to impart training in designing complex circuits. The course aims to introduce students to the design 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. VLSI (Very Large Scale Integration) has emerged as a very important technology in modern electronics featuring deep sub-micron manufacturing processes, low voltage operations, smart programmable devices and exploding speeds sufficient enough to digest ambient conditions to extremes. VLSI under M. Tech aims at exploring areas in system designing including algorithms, system architecture, hardware description languages, physical designing, simulation and synthesis, and verification or testing techniques.

- PG VLSI Design laboratory is equipped with most modern design tools like Xilinx, Cadence Softwares, Digilent FPGA kits etc.
- The department conducts regular seminars /workshops to upgrade the knowledge of the staff and impart the same to the students.
- Cadence, CoreEL Technologies, HCL, ST Microelectronics, and Wipro are among the major recruiters of candidates acquiring M. Tech in this area.

ADVANCED LABORATORIES

- VLSI LAB : Provides Hands on experienced students in the field of analog, digital , mixed signal circuit design
- COMMUNICATION SYSTEMS LAB : Provide s knowledge about microwave and optical communication
- ANALOG AND DIGITAL COMMUNICATION LAB : To impart knowledge regarding communication circuits
- MICROPROCESSOR AND MICROCONTROLLER LAB : Impart knowledge regarding microprocessor programming, interfacing and debugging
- DIGITAL ELECTRONICS LAB : Provides experience on design, testing and analysis of digital circuits
- ELECTRONICS CIRCUITS LAB : Implements design and set up of basic circuits

TRAIL BLAZERS

- The department is proud that one of our students Mr. Ceeyus Vareed achieved rare distinction of being selected among the five finalists for IEEE (GHTC) Global Humanitarian Technical Conference in the International Level Scientific Poster Presentation at Silicon Valley, USA and won second prize.
- SRUTHI.T.G. of got 3rd rank in Calicut university results
- The department has a versatile Research and Development Laboratory that has secured nine IEEE funded projects.
- The department conducts regular seminars /workshops to upgrade the knowledge of the staff and impart the same to the students.
- Final year projects of 8th semester students are taken for project presentations in various colleges and students won the cash prizes for their projects.
- ECE students had undergone training and internship programs at various reputed firms like Akashavani, Ernakulam, BSNL, Thrissur and KELTRON, Calicut & Ernakulam.
- An International Robotics Workshop & Competition (Zonal round of RoboTryst-2015) was organized jointly by EEE & ECE departments in association with Tryst-2015, IIT Delhi and Robosapiens Technologies, Delhi. The selected 3 batches can participate at International Championship at IIT, Delhi
- A project proposal entitled "Tremor Stabilization for Parkinson's Syndrome" got approval for a financial support of Rs.7000 from Kerala State Council for Science, Technology and Environment under Tech Fest 2017- INNOVATE scheme under the guidance of Mr. Ajeesh S., AP of ECE.

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING



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

B.TECH – EEE

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 modern economies and contribute 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 seven 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.



OBJECTIVES

- To develop graduates with a good foundation in the fundamental and practical aspects of Engineering Sciences so as to build successful and enriching careers in the field of Electrical Engineering and related areas.
- To impart additional technical skills so that the graduates will be confident enough to develop their basic design projects into an end product beneficial to the society.

ADVANCED LABORATORIES

- ELECTRICAL MEASUREMENTS LAB : Used for teaching Calibration of various electrical measuring instruments and measurement of different physical parameters using transducers.
- ELECTRICAL MACHINES LAB : Used for teaching Calibration of various electrical measuring instruments and measurement of different physical parameters using transducers.
- POWER ELECTRONICS LAB : To familiarize the students and conduct experiments on various analog electronic circuits, different power electronic devices and circuits.
- ADVANCED ELECTRICAL ENGINEERING LAB : To provide familiarisation with control system concepts using hardware and simulation experiments.
- SIMULATION LAB : To impart knowledge regarding MATLAB programming, Lab VIEW etc

TRAIL BLAZERS

- Department of Electrical and Electronics Engineering organized an invited lecture programme on "OVERVIEW ON ELECTRICAL POWER SCENARIO IN KERALA". The lecture was given by Mr.V A Manoj (Executive Engineer,KSEB).
- Hands on MEP CAD Workshop was organized by EEE department. The chief guest was Mr.Sreejith Menon (Managing Director, SPACE ACADEMY).
- A class on "UG CABLES" were conducted for S8 students by Mr. Subrahmanian
- Industrial Visit to ACE Components and study tour to Bangalore was arranged for S5 students as part of their curriculum.
- 8 Project groups of S7 students were selected in " KITS INNOVIBES "
- Department of Electrical and Electronics Engineering conducted a seminar on "GO GREEN". The chief guest of the programme was Mr. Visal Varghese (Branch manager, Go Green Solar Pvt. Ltd.).
- 2 students of S8 (Remya S Nair, Hifa P K,) participated in "8th seminar series on power system harmonics" conducted by KSEB and secured 2nd prize.

DEPARTMENT OF MECHANICAL ENGINEERING



OBJECTIVES

- To give the student a broad exposure to all vistas of Mechanical Engineering and mould them to be technically competitive in a globalised world.
- To supplement theoretical knowledge with practical experience through design projects and provide opportunity to associate with faculty in research and live projects.
- To evolve new technologies in the creation of a better world for posterity.

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 lathe operations like plain turning threading etc
- PRODUCTION LAB 2 : Equipped with machines to teach different process of manufacturing mechanical components.
- HYDRAULICS LAB : Equipped with test rigs and hydraulics machines used to study regarding hydraulics functions.
- THERMAL LAB : Equipped with thermal test equipment s and heat engines to teach various aspects of commercial vehicle engines
- INSTRUMENTATION LAB : Equipped with various measuring instruments to study measuring methods of various industries.
- CAD CAM LAB : Equipped with 3D modeling software and CNC machines in order to study new generation methods of manufacturing

TRAIL BLAZERS

- The workshop on “website designing” in association with EDC IESCE Students were taught about developing website, coding, and basics of website development by Ms. Manju S Menon
- A seminar was conducted by “Techsor” an institute that provides training in CNC, CAD,MASTERCAM and HVAC solutions for mechanical students.
- A seminar on “Anti Drug Awareness” was handled by Mr. Sunny P L, Civil Excise officer, in the EEE seminar Hall for students of second and third year mechanical engineering.
- A seminar on “Recent Trends in Engineering” was handled by Mr Rafin T A,CIDA solutions for students of mechanical engineering.
- Mechanical Engineering faculty regularly attends faculty development programs to sharpen their Technical and Teaching skills.
- A colloquium on ‘Lean Manufacturing’, organized by the Department of Mechanical Engineering, IES College of Engineering, Chittilappilly, Thrissur. The session was headed by Prof. Ian Pashby, Department of Engineering, and University of Hull, United Kingdom.
- A seminar on “Anti Drug Awareness” was handled by Mr. Sunny PL, Civil Excise officer in the EEE seminar Hall for students of second and third year mechanical engineering.



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

B.TECH – MECHANICAL ENGINEERING

Mechanical Engineering is vital 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 essential part of industries like manufacturing, automobile, aerospace, materials, chemical, and pharmaceutical sectors. In the fields of computer aided design and manufacturing, robotics, bio engineering, environmental engineering, wind and solar energy utilization and space exploration.

The vision of the department is to mould the students with all inputs necessary to become a successful mechanical engineer with core competency and professional specialization. The department was started in 2007 and comprises of well qualified, experienced faculty and technical staff and has well established Labs and Library. Our Alumni are presently working in many eminent companies of national and international repute.

IESCE

Training and Placement Centre

The Training and 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.

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



IESCE TRAINING AND PLACEMENT CENTRE

The main objective of the placement is to embed in the students a professional outlook, leadership qualities, motivation, commitment and dedication with exceptional communication and interpersonal skills. The Centre establishes a personal rapport with students to help them develop an educational plan and guide them through out their academic span, ultimately resulting in the realization of their career goals.

Training and Placement is an integral part of any engineering graduate seeking the right perspective and orientation before entering the job market. Multinational companies are in need of well groomed graduates with the right mix of academics and soft skills. Frequent industrial visits are arranged for students to acquaint themselves with the present industrial scenario. The centre conducts diverse training programmes and has been successful in placing students in various corporate entities in India and abroad.

Human Resource Development classes are conducted for students regularly. Further, our students are provided with extensive training to enhance their generic skills like communication, inter-personal relation, innovative and creative thinking, personal attributes etc by reputed professional training institutions. The cell is managed by a professional team and works round the year to ensure successful and respectable placements. The Training and Placement Centre has been successful in placing a substantial number of our students with the best of organizations such as Infosys, IBM, Wipro, Suntec, Oracle, and Reliance Communications to name a few and is committed towards attaining 100% placements in the coming years.

INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CELL(IEDC)

The academic institutions play an important role in the economic development of a country as they produce the right type of manpower needed by different sectors of the society. In view of the worldwide shortage of jobs (both government and private sectors); the cell strives to identify talented youth for entrepreneurial endeavours. The club plans to organize various programmes regarding entrepreneurship development.

INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE) STUDENTS' CHAPTER AND FACULTY CHAPTER

IES College of Engineering has an active ISTE chapter for staff as also for the students. Staff mem-bers have the option to become life members. ISTE provides opportunities and forums for staff members to participate in and organize quality improvement programmes and technical programmes. Students get a platform to improve their communication and leadership skills by participating in ISTE activities.

NATIONAL SERVICE SCHEME

The National Service Scheme (NSS) was introduced at IESCE in January 2007. Since then, it has attained strength of more than 100 student volunteers (Unit No 186). As a part of Independence Day celebrations, the volunteers visited "Thanal VMV", an orphanage at Kalathode, and spent quality time there. They shared the happiness and sorrows of Thanal inmates.

The PUNARJJANI is an ongoing project that has been conceived and implemented by the NSS Unit at the Government Medical College, Thrissur. Under the project, volunteers repair and renovate hospital equipment. The project exhibits IESCE NSS Unit's commitment to use its technical expertise for social engineering. It has gained State-wide recognition and awards.

ALUMNI ASSOCIATION

The first batch of students who graduated in 2007 has formed IESCE Alumni Association. Our Principal is the Ex-Officio President and a faculty member is the Secretary. The primary objective of the association is to bring the alumni together and promote their continued interaction with the alma mater. All the students are expected to register with the Alumni Association before they leave the College.

INSTITUTIONAL MEMBERS OF INSTITUTION OF ENGINEERS - INDIA

IES College of Engineering is enrolled as an Institutional member (life IM) of the prestigious Institution of Engineers (India). The college is attached to the Thrissur chapter. The college is in the process of forming separate units for staff and students. The privileges of an Institution membership include life time free subscription of journals and free entry for delegates to the institution programmes.

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)

IEEE is the world's largest professional association for the advancement of technology. It recommends policies and implements programs specifically intended to benefit the members, the profession, and the public. IEEE's core purpose is to foster technological innovation and excellence for the benefit of humanity. The Students' Chapter of IES was started in 2010 and the college has also a very active women's wing, WIE - IEEE Women In Engineering

IEEE-The organization has a dual complementary regional and technical structure with organizational units based on geography and technical focus. It manages a separate organizational unit (IEEE-USA) which recommends policies and implements programs specifically intended to benefit the members, the profession, and the public. IEEE's core purpose is to foster technological innovation and excellence for the benefit of humanity. The Students' Chapter of IES was started in 2010 and the college also has a very active women's wing, WIE - IEEE Women In Engineering

ALUMNI ASSOCIATION

The first batch of students has completed their course in the year 2007 and we have formed IESCE Alumni Association. Our Principal is the Ex-Officio President and a faculty member is nominated as the Secretary. Other office bearers have been elected from its members. The primary objective of the association is to bring the alumni together and promote the interaction between the alumnus and the institution.

WOMEN DEVELOPMENT CELL

The Women Development Cell of IES College of Engineering, Chittilappilly, Thrissur is committed to providing a platform for Girl students to gather, seek support, and advocate on issues relevant to them. The Cell promotes a campus culture that ensures the full participation and involvement of women students at IESCE

We are committed to gender equity and social change. Our framework infuses traits and goals in every aspect of our programs acknowledging gender to propose alternatives to traditionally male models of leadership, thought and practice. We ascribe to a broadly defined, fluctuating and inclusive ideology that welcomes viewpoints from varied experiences. We want to give every opportunity for achievement to our students and members of the Engineering College community

ANTI RAGGING CELL

An Anti-Ragging cell is set up at the beginning of every academic year and it addresses all reported complaints. The committee members focus on the eradication of the menace and work towards maintaining true cordiality in interpersonal behaviour.



CAMPUS INFRASTRUCTURE & FACILITIES

CENTRAL LIBRARY

The Central Library is home to more than 20000 volumes of old and new books, nearly 4000 journals from India and abroad, digital library with the most modern facilities, digital multi-media and vast collection of micro films and CDs, e-journals like IEEE, ASCE and ASTM. It is one of the best libraries of its kind in the country. Adding up to this vast Library, each department has its own adequate individual libraries.

COMPUTER CENTRE

The CSE Department has four air conditioned Computer Laboratories, equipped with the most modern computer systems and accessories. The main network includes six servers and more than 400 terminals of IBM compatibles, with Internet sharing facility. One of these labs is designated as the Computer Centre and is devoted for internet browsing by students and staff. The other three engineering departments have their own computer labs with server networked nodes for software applications, projects etc.

WI-FI CAMPUS

The college has Wi-Fi networking. It is especially useful at busy times when conventional network machines are being fully utilized. Unauthorized access is prevented by installing security features.

ONLINE STUDENT PROFILE

The college is having a dynamic website (www.iesce.info) in which the details of each student can be viewed by their parents. Parents are given username and password to login and view their ward's profile. They can check the progress of their wards in internal and university examinations. The details include marks of assignments, session tests and university examinations. The attendance status can also be monitored. Online search for library books is also provided on the site.

TEACHING AIDS

The classrooms and tutorial rooms are equipped with the most modern teaching aids like LCD projectors, OHP slide projectors, multimedia computer systems, Laptops and audio/video devices. The use of these modern teaching aids makes the classroom teaching effective and provides room for communication and interaction.

SPORTS

There are exclusive play grounds for football, cricket, tennis, basket ball, shuttle badminton etc. Students are encouraged to take part in sports and games competition events at the intercollegiate levels in addition to the competition within the college.

GROUP TUTOR SYSTEM

Students in a class are grouped under two faculty members who will be interacting with the students. The group tutors act as counselors. They record the details regarding attendance, and progress in the class and tests. Students are free to contact

group tutors at all times. The group tutor and the students concerned meet once a month and absence in such meetings will not be condoned. Meeting of parents and the teachers is arranged immediately after the announcement of the result of first session Test. Guardians are welcome to contact the group tutors.

PTMA

The Parent-Teacher Association of IES College of Engineering was constituted with the objective of improving the welfare of the students and of the institution. It also aims at promoting better participation of Parents in the various programmes of the college and to establish better liaison with teachers. Parents/Guardians of the students are deemed to be the members of the Association, with the voting right limited to one per each student. The Principal and senior faculty members of the College shall be ex-officio members of the Association with voting rights.

COUNSELLING & HR TRAINING

Soft skills that complement core competencies are in great demand. In order to survive and thrive in today's highly competitive environment, Organizations want people who are quick to adapt, creative at problem solving and good at relation building. Developing positive attitude, effective and efficient communication skills, good listening skills and time management are some of the important soft skills sought to be developed through these training programmes. In addition, students have to update their knowledge to have self-confidence, to handle criticism, withstand pressure, and develop greater flexibility. We have a team of faculty members to give counselling and HR Training to all students.

TRANSPORT

A fleet of vehicles is available for transporting students and staff in all suburban areas of Thrissur.

HOSTEL FACILITIES

Separate hostels are available for boys and girls. Well designed rooms, hygienic bathrooms and toilets make the accommodation the best of its kind. The hostels serve tasty and hygienic food. They are also equipped with multi-gym facility and also provides Computers with internet access. Round the clock security guards ensure complete protection to the students.

CANTEEN

IES canteen is a large and spacious building. It provides vegetarian and non-vegetarian food at nominal rates. The canteen has hygienic and spacious kitchen with all modern hi-tech equipment.

AUDITORIUM

IES Auditorium has a beautiful architectural style and can seat 1500 people.

MEDICAL FACILITIES

The College is equipped with first aid facility and sick room for the students. An ambulance is available on call 24x7. Our college is also close to Amala Medical College hospital.

MOSQUE

The College has a spacious mosque where boys and girls can offer prayers.

NEWS LETTER & MAGAZINE

The college publishes the news letter IES Times half yearly and also an annual College Magazine.

COLLEGE STORE

A college store caters to the needs of the students. Text books, laboratory records, writing materials, drawing instruments etc. are stored there. Apart from reprographic facilities at the Library, and the Campus Automation Cell, an exclusive DTP centre attached to the Store is also in the offing.

ARTS & CULTURAL ACTIVITIES

The College promotes artistic talents of the students. The college conducts an annual cultural festival with a wide variety of programmes. Talented students can take part in the arts and cultural festivals conducted by other colleges, in the D-Zone and inter-zone festivals conducted by the Calicut University. The College Management extends its whole hearted support including financial to these activities.

INDUSTRIAL TRAINING/VISITS

Industrial Training is mandatory. It bridges the gap between the academic curriculum and the needs of the industry. It also helps the students develop skills and competencies to become employable. It enables students to apply their classroom knowledge to practical application. Industrial training also exposes students to advanced tools used in the industry. This process enables the students to understand industry procedures and practices besides getting hands-on experience on how problems are solved by the company. Industry training also enhances the personal skills including presentation skills and hastens the transformation from a student to employee. Visits are organized to various leading industries in the region.

Cultural tours and excursions are also organized so that students are exposed to the cultural heritage of our country. Simultaneously, they experience a life away from home.

SPORTS & RECREATIONAL FACILITIES

IESCE provides an excellent infrastructure for physical activities of students. The management believes that academic excellence goes hand in hand with physical development. A well maintained playground serves as the principal venue for most of the sports events and the college also provides avenues for basketball, tennis and skating. In addition to the existing facilities, a Go-cart rink is planned to be added soon.

OVER HUNDREDS OF PLACEMENT



SREERANJ (Mtech CE)
Pragati Constructions



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
AJAGOPALAN (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



LIFE AT IES



► LOCATION MAP



www.iesce.info



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NAAC
NATIONAL ACADEMIC ACCREDITATION COUNCIL



IES COLLEGE OF ENGINEERING

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