ERODE SENGUNTHAR

ENGINEERING COLLEGE

PERUNDURAI, ERODE – 638 057, TamilNadu, INDIA

BROCHURE

DEPARTMENT OF
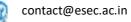## COMPUTER SCIENCE AND ENGINEERING

VISION AND MISSION OF THE INSTITUTE

VISION

Vision of Erode Sengunthar Engineering College is to become a World Class Technical Institution and Scientific Research Centre for the Benefit of the Society.

MISSION

Erode Sengunthar Engineering College will strive continuously to

- Create Positive difference to Society through Innovative Teaching – Learning Process.
- Impart Value Based Technical Education to the Students from across various Socio-Economic backgrounds.
- Build State of art infrastructure for high quality Research and Development capabilities on par with the finest in the Globe and widen student's horizons beyond Class Room.
- Bring out Competent, Ethically Strong and Quality Professionals.

ABOUT US

The Erode Sengunthar Educational Trust started this college in the year 1996 for the upliftment of urban and rural youth. The Trust has been associated with various educational Institutions like Higher Secondary Schools, Matric Higher Secondary school etc. The Engineering College has been functioning at Perundurai, Erode District, TamilNadu, India

Erode Sengunthar Engineering College is accredited by NAAC with 'A' Grade, Institute of Engineers (India) and eligible UG Programmes are accredited by National Board of Accreditation (NBA), approved by AICTE and Permanently affiliated to Anna University.

COURSES OFFERED

UG PROGRAMMES

- B.E. Civil Engineering
- B.E. Computer Science and Engineering
- B.E. Computer Science and Design
- B.E. Electrical and Electronics Engineering
- Electronics and Communication Engineering
- B.E. Electronics and Instrumentation Engineering
- B.E. Mechanical Engineering
- B.E. மெக்கானிக்கல் இன்ஜினியரிங் (தமிழ் மீடியம்)
- B.E. Biomedical Engineering
- B.Tech. AI & Data Science Engineering
- B. Tech. Chemical Engineering
- B. Tech. Information Technology

PG PROGRAMMES

- Master of Computer Applications (MCA)
- Master of Business Administration (MBA)
- M.E. Computer Science and Engineering
- M.E. Environmental Engineering
- M.E. Power Electronics and Drives
- M.E. Applied Electronics
- M.E. Manufacturing Engineering
- M.E. Industrial Safety Engineering
- M. Tech. Chemical Engineering
- M.Tech.(5 Years Integrated) Computer Science and Engineering

CENTRAL LIBRARY

The library is kept open from 8.30 a.m. to 7.30 p.m. The library card is issued to the students for borrowing books from the library. Digital library facility is available to access e-journals and books. Availability of text books, reference books and journals at the national and international levels in the library is ensured for the effective self learning

LANGUAGE LABORATORY

A Hi-Tech Language Laboratory has been established to expose the audio and video related pronunciation, articulation, modulation, expression, communication to the students.

NPTEL CENTER

National Programme on Technology Enhanced Learning Centre has been established for students who can listen to video lectures of eminent Professors of IITs, and IISc

QUALITY IMPROVEMENT CELL

Quality Improvement Cell is formed to improve the teaching learning process. This Cell co-ordinates with Centre for Faculty Development, Anna University, Chennai to ensure that faculty and students are exposed to various resources like NPTEL Voice Tutorial by IIT, Bridge Course CDs given through DOTE, spoken tutorial by IIT, Bombay, etc

CAREER GUIDANCE CELL

Career Guidance Cell extends service for the students to learn about their career in the higher education of the students in India and abroad, guiding students for competitive examinations like GATE, GMAT etc.

INDUSTRY INSTITUTE PARTNERSHIP CELL

Industry Institute Partnership Cell (IIPC) is in focus of connecting and fulfilling the gap between Industry and Institute. IIP Cell has been formed for the mutual benefits of students and the industry.

ENTREPRENEURSHIP DEVELOPMENT CELL

Entrepreneurship Development Cell has been functioning in the College since 2005. The Cell invites the business legends to deliver guest lectures and guidance to become a successful entrepreneur.

INTERNAL QUALITY ASSURANCE CELLL

Internal Quality Assurance cell is functioning effectively to assure the quality of the system, process and its outcomes. Under IQAC, at the end of every academic semester a detailed internal academic audit is conducted to ensure academics, as per the plan and policies

IIT BOMBAY REMOTE CENTER

Indian Institute of Technology – IIT Bombay had approved our College as Remote Center to conduct workshops, seminars, conferences, guest lectures, Faculty Development Programmes etc. for students and faculty.

RESEARCH AND DEVELOPMENT CELL

Research and Development Cell aims at motivating the faculty and students to bring out their innovative ideas through research. This Cell assists and guides students to apply for funding to carry out research under students project schemes from various funding agencies like TNSCST, IEI (I), FAER, etc.

PROFESSIONAL BODIES

Every Department is collaborated with relevant professional bodies for the holistic development of the students.

e-Yantra Lab was established in association with IIT Bombay. eLSI provides: (i) guidance and support for establishing robotics labs - three robotic kits are given to each participating college and (ii) a two-phased training for teachers:

SOCIAL CLUBS

The students have the freedom to choose their domain of interest and be the member of the respective club. The club will be mentored by faculty members.

MUGIL FM 91.2MHz

MUGIL CRS aims at the women empowerment and community based development encompassing the rural areas around the college. MUGIL CRS is a tape less and completely digital operating Community Radio Station from the campus @ 91.2 MHz to a range of 15 KMS.

ESEC IAS ACADEMY

ESEC IAS Academy is functioning in our College to cater the needs of IAS and Other Govt. services aspiring students. Regular coaching have been conducted for needy students

SPORTS, INDOOR & OUTDOOR GAMES

The Department of Physical Education has all the facilities to promote sports and games.

- The total play ground area is 9 acres. It includes 400 metres mud track for track and field Markings.
- Facilities for outdoor games such as Cricket, Football, Handball, Ball Badminton, Basket Ball, Kabaddi, Hockey, and Volleyball are made available.
- Facilities for Indoor games like Chess, Carom and Table Tennis etc. are made available.

MULTI STATION GYM

Gymnasium facilities are also made available in the college, to keep the students physique fit and smart.

SALIENT FEATURES OF THE COLLEGE

Auditorium

Conference Hall

Temple

Seminar Hall

MBA/MCA Block

Civil Block

ECE/EIE Block

EEE/Chemical Block

Hostel

Hostel

Library – Inner view

Mechanical Block

ABOUT COMPUTER SCIENCE AND ENGINEERING DEPARTMENT

VISION AND MISSION

VISION

- To evolve as a centre of excellence in the field of computer science and engineering to serve the challenging needs of industry and society

MISSION

- To impart fundamental Computer Science and Engineering concepts and a broad set of technical skills
- To impart practical exposure on latest technological developments in Computer Science and Engineering.
- To cultivate research culture and innovative technologies that contributes for sustainable development
- To inculcate professional, strong ethical values and leadership abilities in the young minds.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO)

- Our Graduate will be Globally Competent Computer Science Professionals who would comprehend, understand, analyse and solve Engineering problems in order to cater to the needs of industry and society
- Our Graduates will interact with their peers in multi-disciplinary environment in industry and society and contribute to the economic growth of the country.
- Our Graduates will have the ability to adapt, contribute and Research, innovate new technologies and systems in the domain of Computer Science and Engineering
- Our Graduates will function in their chosen profession with ethics, social awareness and responsibility.

The Department of Computer Science and Engineering is one of the oldest department in Erode Sengunthar Engineering College. It was established in the year 1999.

Starting with **B.E. Computer Science and Engineering** Degree, the department has grown leaps and bounds in offering **M.E. Computer Science and Engineering** and **Ph.D. Computer Science and Engineering** Programmes.

The department comprises of 7 centralized air-conditioned Computer Centers with 300 systems, state of the art computing facilities with sufficient power supply backup.

Our students are placed in various top MNCs like CTS, TCS, Wipro, Infosys, IBM, Tech Mahendra, IBM, EDS, SAP Labs, Accenture, Mind Tree, Hexaware, etc.

The B.E. CSE Programme was accredited by NBA twice. The Department also accredited by IE(I), Kolkotta.

The MoU signed by the Department are CISCO, Infosys (Campus Connect), MICROSOFT (Campus Agreement), ORACLE and Stinsoft. It organizes Symposia, Exhibitions, Conferences, Seminars and Workshops for both students and Faculty belonging to various Technical Educational Institutions, Research Scholars of Research Institutes and Industries all over India.

LABORATORY FACILITIES

The Laboratories are equipped with Acer, Apple, HP and Wipro desktops with Intel Core i5 & Core i7 Processor, 16GB RAM, 1TB HDD, Printers, Scanner with sufficient power backup facilities. The department has the following laboratories.

- Operating System Lab
- Data Analytics Lab
- Machine Learning Lab
- Networking Lab
- Compiler Design Lab
- Software Engineering & Case Tools Lab
- Programming Lab
- Graphics Lab
- DBMS Lab
- Open Source Software Lab
- Internet Programming/Web Technology Lab
- Data Structures Lab
- Grid and Cloud Computing Lab
- Mobile Apps Development Lab
- Security Lab

SERVERS

The Department has the following servers

- IBM Database Server
- HPE Cloud Server
- IBM Web Server
- HP ERP Server
- HP Server for Matlab
- HP Server for Tally Software
- IBM Server for Learning Resources
- HP Server with NVIDIA 40GB GPU AI Server

INTERNET CONNECTIVITY

The internet (150 Mbps) bandwidth is maintained to facilitate good Internet connectivity to the students and faculty members. Wi-Fi facility is also offered to faculty and students in the campus.

PROGRAM OUTOMES (PO)

Engineering Graduates will be able to:

1. **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis**: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSO)

PSO1: Software Development Model: An ability to design a software project using Software Development Life Cycle process.

PSO2: Advanced Technology Skills: An ability to develop application using Computing and Communication Technologies.

PSO3: Personality Development: Able to inculcate Effective Communication, Team Work, Ethics and Leadership skills in a preparation for a successful career in Industry

FACULTY

The Department has dedicated, highly qualified and experienced faculty members. Five faculty member are with Ph.D. qualification. The faculty members are expertise in Network Security, Data Mining, Wireless Sensor Network, Video Streaming, Social Network Security, Image Processing, Data Analytics and Machine Learning.

BEST PRACTICES FOLLOWED

- The interactive learning is exposed through classroom teaching based upon one-to-one interaction with the faculty.
- The collaborative learning is carried out for the reinforcement of brainstorming, residential courses and group discussions.
- Animated Videos are used to convey the concepts and methodologies which ensure better learning.
- Analogy based teaching methodologies.
- Video lectures by experts on problem-oriented subjects to ease the learning process.
- Live demo with hands on training.
- Case Analysis / Applied Problems Solving
- Project based Learning
- Field visit to industries make the students to learn recent technologies & Industry culture.
- Real time projects lead the students for lively learning experience.
- Internship opportunities impart practical learning experience to the students

FDP/ SEMINAR / WORKSHOP/CONFERENCE/SYMPOSIUM ORGANIZED

List of few programmes organized by the department

- ATAL Sponsored Five days FDP on "Data Science"
- AICTE Sponsored two weeks FDP on "Machine Learning using Python and Data analytics using Hadoop".
- National Conference on "Security Issues in Computing and Communication"
- MOES Sponsored National Seminar on E-Waste Supervision and Recycling in India Challenges and Issues (EWSR-2013)
- State Level Workshop on Cyber Crimes: Prevention Methodologies
- International Certification course on Microsoft Technology Specialists
- ICMR Sponsored Two-day workshop on Data Analytics in Healthcare Systems
- National Level Technical Symposium – KANINIFEST – Every Year
- Anna University sponsored 7 Days FDP Design and Analysis of Algorithm
- ICMR Sponsored Two-day workshop on Virtual reality and its applications in healthcare Industry
- Five-day workshop on Mobile Application Development
- ICTACT sponsored two-day faculty development Programme on Big Data Analytics
- Anna University approved 7 Days FDP on Multicore Architecture and Programming

LAURELS TO THE DEPARTMENT

UNIVERSITY RANKS

25 University Ranks bagged by our Students

FUNDING RECEIVED

Funds received from AICTE, DRDO, ICMR, Anna University etc. to establish Laboratory, to conduct FDP, Seminar and Conferences

Accredited by National Board of Accreditation since 2009
Accredited by Institute of Engineers (India), Kolkotta
B.E CSE Programme is permanently affiliated to Anna University

FACULTY PATENT PUBLICATIONS

- Dr.S. Selvi has published a patent titled "A System and Method of Biometric Identification Based on Distributed Internet of Things Lock and Unlocking Thereof" during Nov 2019, File no: No:201941028900
- Dr.G.Revathy and Dr.G. Saravanan have published a patent titled" Data Traffic Analysis based IOT using Honeynet DA Classification Technique" during Dec 2019, File No: 201941043184
- Dr.G.Sivakumar and Dr.M.P.Thiruvenkatasuresh have published a patent titled " System and Method for Managing SAR value, Quality of Service and Energy Consumption for WCDMA" , Published during January 2020, File No:202011000900
- Dr.S. Selvi has published a patent titled "Method for Smart Irrigation using Wireless Internet of Things Sensor Network", Published during March 2020, File No:202041009997
- Dr.G. Revathy has published a patent titled "Design of IOT Based Smart Temporary Shelters During Natural Calamities" during June 2020, File No:202011019416
- Mr.R.Karunamoorthy has published a patent titled "Design of Luminous Light for Vehicle Monitoring System using IOT", during July 2020, File No: 202041031102.
- Dr. M.P.Thiruvenkatasuresh has filed a patent titled Portable Egg Quality Assessment And Monitoring System Using IOT , during September 2020, 202041047668.
- Dr.G.Revathy, Mrs.N.S.Kavitha, Mr.M.Sivakumar ,Mrs.K.SenthilVadivu, Mr.D.Vijayababu and Mrs.D.Sathya have filed a patent titled " A System and Method for Channel Assignment using Tabu Search Algorithm in Wireless Mesh Networks", during November 2020, File No:202041047412.
- Mrs.T.Kalaiselvi has filed a patent titled "Big Data Based Data Analytics Method for Privacy Preservation", during January 2021, File No:202041057125.

FACULTY PUBLICATIONS

195 Research papers have been published by our department faculty members in reputed, Scopus indexed, Anna University Annexure-I Journals and Conference in Last five Years

LAURELS TO THE DEPARTMENT

List of few achievements by our students

- Selvan Jhagavin of III year CSE has been participated and secured 1st position in the event Dubsmash in Resurgence 2K21 organized by department of CSE, Aarupadai Veedu Institute of Technology.
- Selvi S Sowbaranika, Selvi P. Sharmila, Selvan K. Sunilkumar and M. Mathumitha of III year CSE has been awarded with "Bronze Medal" in HACK 10XF.
- Selvan S Lalith Kishore of IV year CSE has been certified with Microsoft Azure Fundamentals course.
- Selvan S.Lalith Kishore, of II CSE A has been selected for presenting project in the Final of All India Level project contest of Intech Olympiad going to held at College of Engineering, Pune.
- S.Sathish Kumar and U.Naveen of III CSE B presented a paper titled "IOT based Air Quality Monitoring System and won the Best Paper award in the National Level Technical Symposium organized by PSG Institute of Technology & Research, Coimbatore.
- K. Pavatharani, V. Yazhini, D. Vinothini of III CSE B presented a paper tiled Smart Garbage Monitoring System and won the Best Paper Award in the National Level Technical Symposium organized by Hindustan College of Engineering and Technology, Coimbatore.
- 57 students of CSE have attended Industrial Training organized by Tata Consultancy Services -TCS Webinar.

INDUSRTRY EXPERTS VISITED

- Mr.R.Ramprakash, Team Lead, Market Simplified India Pvt.Ltd.,Chennai.
- Mr.Charathkumar, Principal Consultant, Infosys Limited.
- Mr.B.Srikanth, M.S., Software Developer Queensland University in Melbourne, Australia.
- Mr.T.Balaji, Software Support Engineer Wallmart Global Tech India, Chennai
- Mr.Prasanna S S , Qualys Certified Specialist, Vulnerability Management
- Mr.R.Anand, App Developer, App Developer.
- Ms. K.N. Vani, Principal, Education and Training, Infosys Limited Mysore.
- Mr. R. Venkatesh, HR Operations, Talent Acquisition – Head, Tidel Park, Coimbatore
- Mr. G. Alagumalaikannan, Software Engineer, GoDB Tech. Private Limited, Chennai.
- S. Kalyanasundaram, Consultant, Vuram Technology solutions private limited, Chennai.
- Mr. Athif Shah, Managing Director, ABE Semi-Conductor Design, Chennai.
- Ms. S. Ramya, Assistant System Engineer, Tata Consultancy services, Chennai.
- S.Sureshkumar, Associate Consultant, Tata Consultancy services, Chennai, is the resource person.

MOTIVATION FOR THE STUDENTS

- Scholarship for Meritorious Students
- Cash Prizes for Top Rank Holders in the Class
- Best Outgoing Student in the Department award
- Best Outstanding student in the College award
- Encouragement to Participate Events Organized by Industry and Other Institute
- Professional Bodies and Social Clubs to enrich their interpersonal skills
- Value added courses and Certification Courses
- Industry Project through MoU
- Alumni Interaction for latest technology update, Project Guidance and Placement
- Best Project Award

INDUSTRY TRAINING ATTENED BY FACULTY

Faculty Members are attended Programmes organized by the following Industries

- Infosys- Foundation Program
- Wipro – Mission 10X Program
- Cisco – Certification Program
- Oracle – SQL Fundamentals and DBA
- Xansa Software, Chennai
- ICT Academy of TamilNadu
- EMC², Bangalore
- Cognizant Technology Solutions – Soft Skill
- National Skill Training Institute(Foreman), Bengaluru

CORPORATE CONNECT

Memorandum of Understanding (MoU)

Infosys · CISCO · ORACLE · STINSOFT · Microsoft

Internship Training attended by Students

List of few Industries/Organization…

- Viosin technologies, Chennai
- Unique Technologies, Coimbatore
- Netty4u, Chennai
- Apple Tech., Coimbatore
- Abito Technologies, Coimbatore
- Kaashiv Infotech, Chennai
- Isclor Soft Solution, Coimbatore
- BSNL
- National Skill Training Institute(foreman), Bengaluru

INDUSTRIAL VISIT BY STUDENTS

- Infosys Limited, Mysore
- Infosys Limited, Chengalpattu
- Cognizant Technology Solutions
- ISRO, Trivandrum
- Sriharikotta, Andra Pradesh
- Steel Authority of India, Salem
- Chip Software, Cochin
- Sandal Wood Oil Company
- All India Radio
- BSNL

INDUSTRY PROJECTS

Name of the Project	Industry Involved
Employee Directory Management System	ZF Wind Power Ltd., Coimbatore
Automation In Transport Management System	ZF Wind Power Ltd., Coimbatore
Automation In ECN Implementation	ZF Wind Power Ltd., Coimbatore
Telecom OSS for Order Provisioning System	TCS, Chennai
Smart Garment Management System	Jeekhit Fashion, Tiruppur
Astropedia	Regional Science Center, Calicut
Health Care Management System	Apollo Family Clinic, Coimbatore
Civil Engineering Construction Management System	Sree Innovative Constructors, Erode
Erode BSNL Telephone Exchange Details Management	BSNL, Erode
Medical TFA Allocator	BSNL, Erode
Material Management System	Steel Authority of India Limited, Salem
ACSC Embedded Test Automation Tool	Bally Technologies India Private Limited
Online System for Raw Material Forecast and Sub-delivery Checklist Generation	BHEL, Rainpet
Online System for Spares GMS (Group Manufacturing Specification)	BHEL, Rainpet
Know Your Industry	EEDSSIA, Erode
Vehicles Management System	NSB Earth Movers, Karur
Smart Transport Management Using IoT	TechVolt Software Pvt.Ltd., Coimbatore
Face Recognition for Attendance using Computer Version	Aerofolic Business Solutions, Coimbatore
Rainfall Prediction using Deep Learning and Neural Network	Stinsoft, Salem
Detection of Fruit Diseases using Image Processing	TechVolt Software Pvt.Ltd., Coimbatore
Covid 19 Future Forecasting using ML	Stinsoft, Salem
Vocal Based Email System for blind	Selsoft India Pvt.Ltd., Tiruppur
Classification of online Toxic comments using ML Algorithm	Selsoft India Pvt.Ltd., Tiruppur

STUDENTS PLACEMENT

LIST OF FEW RECRUITERS

- Tata Consultancy Services
- Wipro Technologies
- Infosys Limited
- Hexaware Technologies
- HCL
- Aspire Systems
- IVTL Infoview
- Dyaan Infotech
- Exterro
- Cognizant Technology Solutions
- Cape Gemini
- US Technologies
- Tech Mahendra
- Amazon
- American Mega Trend
- L&T Infotech
- Polaris Software
- GoDB Tech
- Soft Square
- Mavric Systems

PLACEMENT TRAINING

Training and Placement Cell of ESEC sincerely believes in giving comprehensive training for the students to face the corporate world and have a successful professional career. The training programs encompass a four stage process to train the students to make them ready for the industry and develop the students to face the corporate world. The TAP organizes the following programmes

- Orientation Programme
- Awareness programme for interview
- Engineering Aptitude training
- Communication Training
- Written & Verbal Training
- Logical and data interpretation reasoning
- Aptitude &Company Question

VALUE ADDED COURSES

The following value-added courses are conducted during Saturdays for the students to enrich their employability skills

- EMC^2 Cloud Certification Program
- CISCO Certification
- Infosys – Foundation Program
- Infosys – Soft Skill Program
- Mobile Apps Development
- Basic Web development
- PHP & MySQL Development
- Big Data Analytics
- Machine Learning Using Python
- .NET Programming
- Animation using Maya
- Placement Oriented C Programming
- Joomla Wokshop
- R Programming
- Basic Python Programming
- Block Chain Workshop

**S.Manjunathan,
Dhyan Infotech solutions**

It was a great learning experience at ESEC with the heterogeneous environment. The college has provided us with the essential managerial skills that are required in the corporate to excel as a leader in the relevant field. I was able to achieve with utmost co-operation & motivation from our corporate Relation and placement cell.

It's great honor for me to be a part of ESEC family to learn, excel and put into practice. The college has given me the guidance to follow the right path in my career by providing me with excellent internship opportunities, I achieved what I desired to.

N.Priya, Mavric Systems

It's a wonderful and grateful experience what I have got from ESEC. I am really thankful to my faculties there who hold my hand in every good and bad circumstances during my four year program.

J.S.Nivetha . Aspire Systems

It's always true that "Where there is will there is a way" I came with my dreams in ESEC and I am happy now. I thank all the faculties who always motivated and helped me to overcome my weakness. I am happy with my job.

**S.Kalyanasundaram,
Vuram Technologies solutions.**

I had great learning experience of studying at Erode Sengunthar Engineering college. The faculties here gave a tremendous learning experience which has helped me to add a feather to my cap.

K.Ilangeeran , Larsen & Toubro Info tech

ESEC is one of the faster growing colleges and provides internship program in every semester & industrial visits where students get the exposu to Industry.

**S.Monisha,
IVTL Infoview Technologies Pvt.Ltd.,**

It is always good to come back to an institute like ESEC, where skills had been nurtured and enhanced. This college gave a platform to express ourselves to industry and learn the industry scenario.

**R.Ajanth,
Excelacom Technologies**

I am always being eager to say about ESEC. It's the place which made me to discover my hidden abilities. The faculties are always of welcoming nature and active all the time.

R.Swarnamugi , Aspire Systems Pvt., Ltd.,

CAREER PROSPECTS FOR COMPUTER SCINCE AND ENGINEER

The world has become increasingly Computer-dependent, the employment outlook for Computer Science and Engineering Students majors should continue to be a bright spot in the jobs sector. Information Technology (IT) field is expanding as innovations in technology create new opportunities across different industries. Each time a process is changed because of advances in technology, the employee pool is required to learn the new skill set to remain relevant in the workplace.

Computer Science and Engineering graduates expect starting salaries in the high five-figure to six-figure range, and many of them are actually landing jobs that meet this expectation.

The recent technology innovations like Artificial Intelligence, Big Data Analytics, Machine Learning, Deep Learning, Block Chain will create more job opportunity in the forthcoming years.

"Artificial Intelligence alone will create 2.3 million Jobs globally by 2020."

TeamLease Services, a leading recruitment company

US could have as many as 250,000 open Data Science Jobs by 2024.

McKinsey Global Institute

Annual demand for the fast-growing new roles of data scientist, data developers, and data engineers will reach nearly 700,000 openings by 2020.

IBM Prediction

An AI professional with 2-4 years experience will earn annually 15-20 lakh, while for 4-8 years it would be 20-50 lakh

BN Thammaiah, Managing Director,

JOB OPPORTUNITIES IN GOVT. SECTOR

- BHEL (Bharat Heavy Electricals Limited)
- ONGC (Oil and Natural Gas Corporation)
- GAIL (Gas Authority India Ltd)
- HAL (Hindustan Aeronautics Limited)
- SAIL (Steel Authority of India)
- DRDO (Defence Research and Development Organization)
- Banking Sector

CAREER IN IT INDUSTRIES

- Application analyst.
- Applications developer.
- Cyber security analyst.
- Data Scientist
- Database administrator.
- Forensic Computer analyst.
- Games developer.
- Information Systems Manager.

VISITOR'S IMPRESSION

I Appreciate the initiatives with tree planting, tribal education and the proactive steps in giving overall development to the students

Ms. Rekha Mathews,
Head Campus Relationships, UST Global

The College is serving the poor people in this region and adapt few villages in the nearby forest.

Dr. H. Devaraj
Vice Chairman, UGC, New Delhi

Excellent Efforts in taking the students to the next level. Need to continue the same efforts

Ms. Krupalini N Samy
QUEST Global

Excellent Interest by your Students. Very impressed – **Prof. V. Anto, Defence Academy**