

EASWARI ENGINEERING COLLEGE

An AUTONOMOUS Institution
Affiliated to ANNA UNIVERSITY

RAMAPURAM, CHENNAI



25 YEARS

TNEA
COUNSELING CODE
1304

INSPIRING YOU TOWARDS EXCELLENCE & A BRIGHT FUTURE

ITS STARTS NOW.... ITS STARTS HERE....



112 UNIVERSITY RANKS
WITH 3 GOLD MEDALS

www.srmeaswari.ac.in



WHY CHOOSE EASWARI ENGINEERING COLLEGE?

We aim to develop the skills, knowledge and values you need to become a leader in a rapidly changing world. You can choose from our range of professional and specialized courses.

THE EEC ADVANTAGE

Can a college be the place that makes you a resilient, adaptable driven genius? we think so. that's why when you join EEC we'll arm you with this unmatched range of tools and experiences

SYLLABUS



Student centric regulations - 2019

INDUSTRY CONNECT



Industry - connect to foster Research & Development.

CREATIVE CAMPUS



We want you to stand out in a sea of CV- sameness by being the most digitally savvy. Whether its creating content or solving problems you will know what to do when to do and how.

WORK PLACEMENT OPPORTUNITIES FOR ALL



Choose how you want to test-drive your professional purpose do a degree with a built-in placement, sign up for an internship... the options are many! we have career development counsellors who can help review your CV, run practice interviews and more...



What's Right For ME: **PATHWAY OPTIONS**

The beauty of choosing a college like EEC is that you can get options. You can begin in a standard four-year degree course or go straight to work after graduating or you can even start your study journey and go on to a postgraduate study - like a master's or Ph. D.

INTERNSHIP, WORK PLACE LEARNING AND PLACEMENTS



Mandatory Professional Experience in Engineering

Engineering Degrees include a 8/12 -week approved relevant industrial practical experience. This is compulsory for all engineering students at EEC.



Create your own opportunities

Be a part of the range of experiences on offer at EEC such as volunteering, career development, guest lectures, and events. Target experiences that are related to your area of study and gain clarity about what your future might hold.



Industry -linked Projects

A real chance to undertake real-life industry projects as part of the course which could include research projects or concept development.



Industry Study Vists

An Industry Visit offers an opportunity to gain experience in your field of study. The visits give you credit towards your degree and enhance your learning experience by offering you an industrial perspective.



Placements and Internships

Get a taste of your future during a professional placement or internship with a leading employer in your area of study. EEC has long -standing relationship with top companies and organisations that welcome EEC students every year.



EASWARI AT A GLANCE

Founded in **1996**

11 UG Programs

6 PG Programs

8 Research Labs and Centers

4000+ students

25000+ Alumni

95% of the classes have fewer than 65 students

250+ Academic Staff

40% of the Academic Staff with a Ph.D

VISION

To accomplish and maintain international eminence and become a model institution for higher learning through dedicated development of minds, advancement of knowledge and professional application of skills to meet the global demands.

MISSION

- Easwari Engineering College strives to set high standards of comprehensive education by developing the intellectual strength of students and guiding them towards technical advancement.
- Synergize the efforts of various departments, inspire creativity and foster excellence and innovation in teaching and learning so as to realize our vision as a Premier Engineering Institution.
- Nurture the development of mind, skill, attitude and core competence of students.

Attain leadership in planning and resource management so as to improve the quality and accessibility of technical education.

- Produce graduates of International distinction, committed to integrity, professionalism and lifelong learning by widening their knowledge horizons in range and depth.
- Enable students shine in their academic pursuits, making them sensitive to the needs of the progressive industrial world.
- Organize a pluralistic and supportive environment that will stimulate scholars, student and staff of the highest caliber and contribute immensely to the process of Nation building through partnership with Community and Industry.



PROGRAMMES OFFERED

UNDERGRADUATE

- B.E. - Automobile Engineering**
- B.E. - Bio-Medical Engineering**
- B.E. - Civil Engineering**
- B.E. - Computer Science and Engineering**
- B.E. - Electronics and Communication Engineering**
- B.E. - Electrical and Electronics Engineering**
- B.E. - Electronics and Instrumentation Engineering**
- B.E. - Mechanical Engineering**
- B.E. - Robotics and Automation Engineering**
- B.Tech. - Artificial Intelligence and Data Science**
- B.Tech. - Information Technology**

Lateral Entry Seats are available for all the Departments

POSTGRADUATE

- M.E. - Computer Science and Engineering**
- M.E. - Communication Systems**
- M.E. - Embedded System Technologies**
- M.E. - Structural Engineering**
- M.E. - Engineering Design**
- M.B.A. - Master of Business Administration**

RESEARCH (M.S. / Ph.D.)

- Computer Science and Engineering**
- Electronics and Communication Engineering**
- Electrical and Electronics Engineering**
- Mechanical Engineering**
- Physics, Chemistry**

STUDENT SUPPORT SERVICES



Central Library

2100 square metres with **77,678** volumes of books and journals, **ICT** based teaching facility, **NPTEL** and **EDUSAT** facility with working hours of 8 am-8 pm including Sunday.



Hostel Facilities

Boys Hostel : 2 Blocks, **143 Rooms**

Girls Hostel : 2 Blocks, **160 Rooms**

Study room, Recreation hall, Gymnasium, Indoor Games, Departmental store, Reverse osmoses water facility, Residential Medical Officers, Surveillance cameras, Wi-Fi, Hygienic Mess Facility.



Green Campus

More than 700 Trees, Sewage Treatment Plant and Recycling Rain Water Harvesting in all buildings. Bio-gas plant, Solar Power, Wind Turbine, Gasifier.



Auditorium

Fully Air Conditioned indoor TRP Auditorium with seating capacity of 400, Two numbers of fully Air Conditioned Hi-Tech Halls with seating capacity of 100 each.



Internet Facilities

The college campus and hostels are Wi-Fi enabled with excellent internet connection of 1 Tbps (1:1) primary service.



Sports Facilities

Indoor: Table Tennis, Chess, Carrom, GYM (Men&Women)

Outdoor: Volley ball, Basket ball, Badminton, Cricket Nets



Security

Fool-proof security available in campus and hostels 24x7



Transportation

48 number of A/C Buses covers 31 routes



Medical facility

Medical practitioner & Ambulance inside college
Multi-Specialty Hospital near the campus with 150 beds



AUTOMOBILE ENGINEERING

- Ford India Pvt Ltd. Sponsored an **“Eco Sport Car”** to the Department of Automobile Engineering for Teaching Learning Process and research activity.
- Department of Automobile Engineering produced **10 Anna University Ranks with 01 Gold medal.**
- Department of Automobile Engineering students have participated in “National Level Indian Karting Race-2020” held at Bhopal and Runner Up in E- Kart category.
- Hyundai Motors India Pvt Ltd, Chennai sponsored a “CRETA” car as an “Initiative to Industry supported Laboratory”.
- BMW India Ltd sponsored the “BMW engine and Transmission system” to the Automobile Department for BMW Skill next Initiative. Department of Automobile Engineering Received an amount of Rs .52.8 Lakhs from DST-WMT for the Research of “Utilization of Paddy Straw for composite Materials”.
- Industry- Institute collaborated program with Ashok Leyland Ltd.



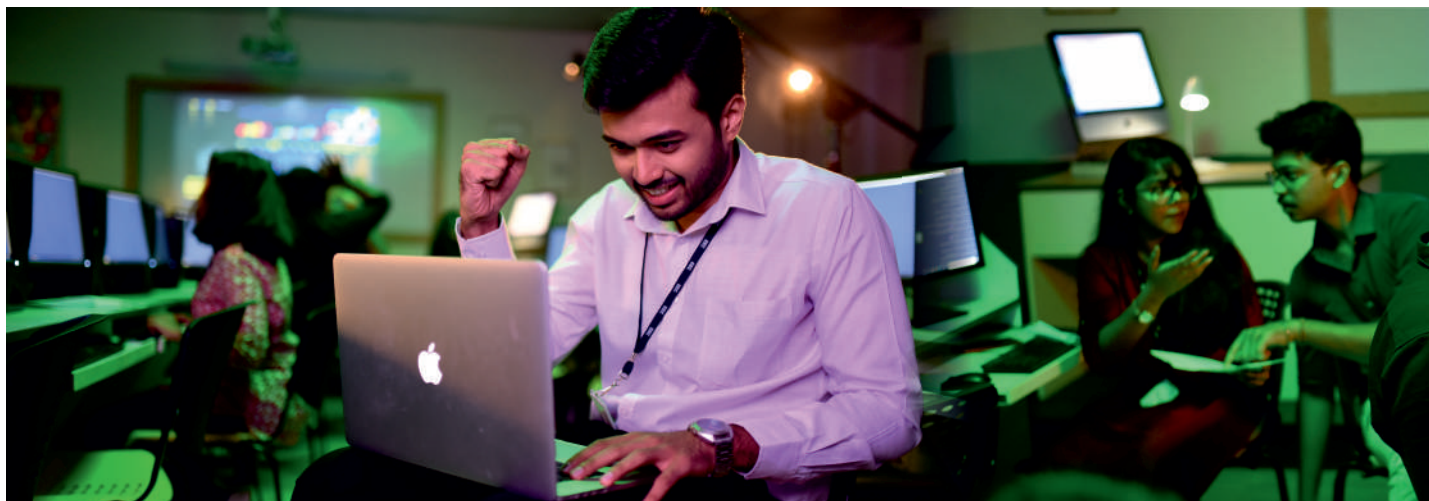
BIOMEDICAL ENGINEERING

- The department is involved in developing the student’s creative skills in the medical field along with industry exposures.
- Highly qualified and well experienced faculty members with expertise in major fields.
Core job opportunities in multi-national companies like GE-medical, Wipro-Biomedical, Siemens, Philips Electronics Pvt. Ltd- medical division, BPL Health care etc.,
- The department students participated various Biomedical related nation wide and international competitions also, earned prizes.
- Department has a well-established, high-end laboratory equipped with the latest devices and facilities. We have been involved in diversified research, projects, training and internship related activities
- The department works towards the continuous advancement of the professional status of the biomedical engineers. We collaborate with doctors and researchers to provide practical opportunities for our students on medical systems, equipment or devices that can solve clinical problems



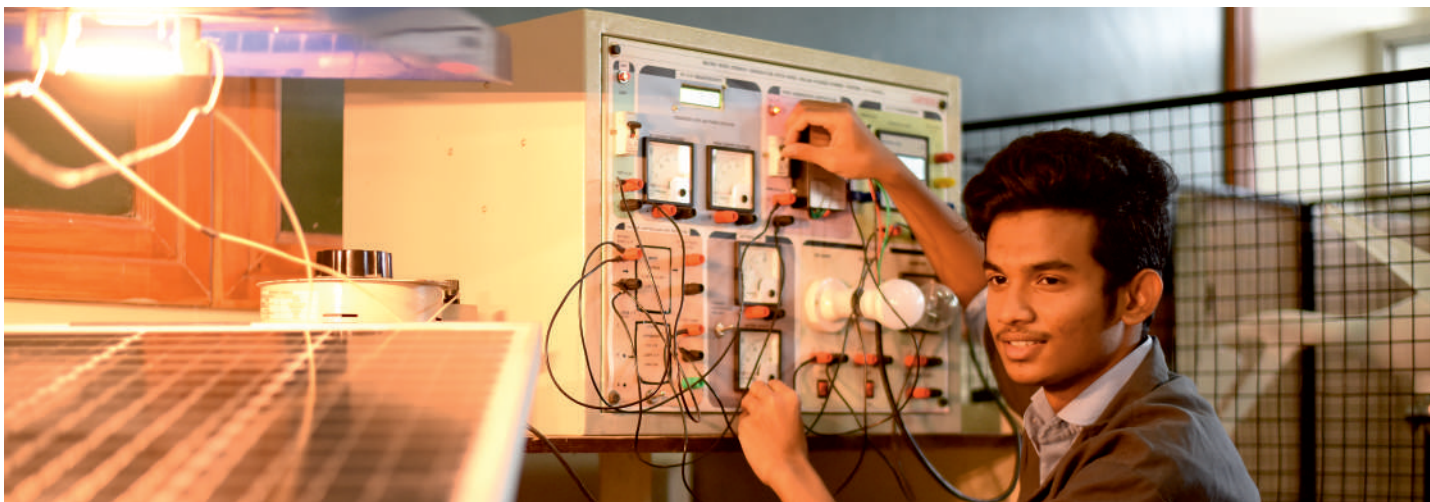
CIVIL ENGINEERING

- Accredited by the National Board of Accreditation (NBA) till June 2023
- Research fund of 28.62 Lakhs from **DRDO**, 30 Lakhs from DST have been received
- For development of product 15 Lakhs from MSME (ME Student Startup) and 2 lakhs from **EDII-TN, IVP Autonomous Society of Government of Tamilnadu** have been sanctioned.
- Department has a collaborative research service and product exhibition center named as Engineering Innovation Skill Center (**EISC-EEC**), First of its kind in South India.
- Department of Civil Engineering have Students' Chapter with Professional Societies like Indian Concrete Institute (**ICI**), Institution of Engineers (India) (**IEI**), Indian Plumbing Association (**IPA**), Indian Green Building Council (**IGBC**) and student clubs like Association of Civil Engineers (**ACE**), Youth Under Green Awareness (**YUGA**)



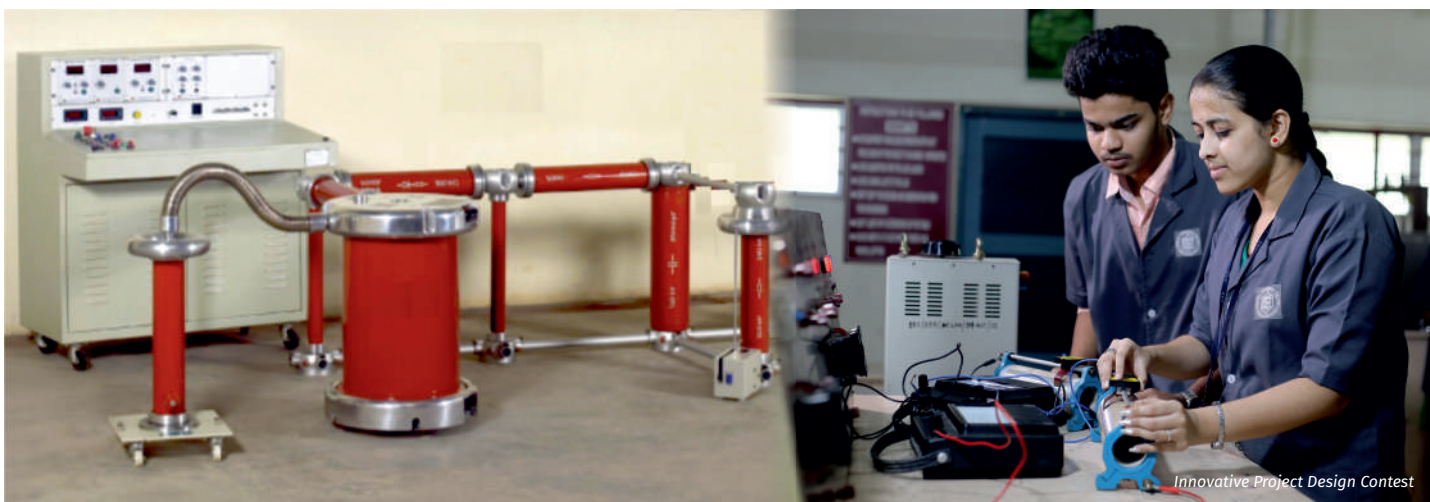
COMPUTER SCIENCE AND ENGINEERING

- The department is ISO 9001:2008 certified, accredited by the National Board of Accreditation (NBA) for 3 years valid upto June 2023.
- Department has been recognized as a Centre for Research, by Anna University to offer Ph.D. and M.S.(By Research) programmes.
- Excellent Placements
- State-of-the-art lab facility
- Well equipped labs and seminar hall
- Wi-Fi enabled classroom to support e-Learning



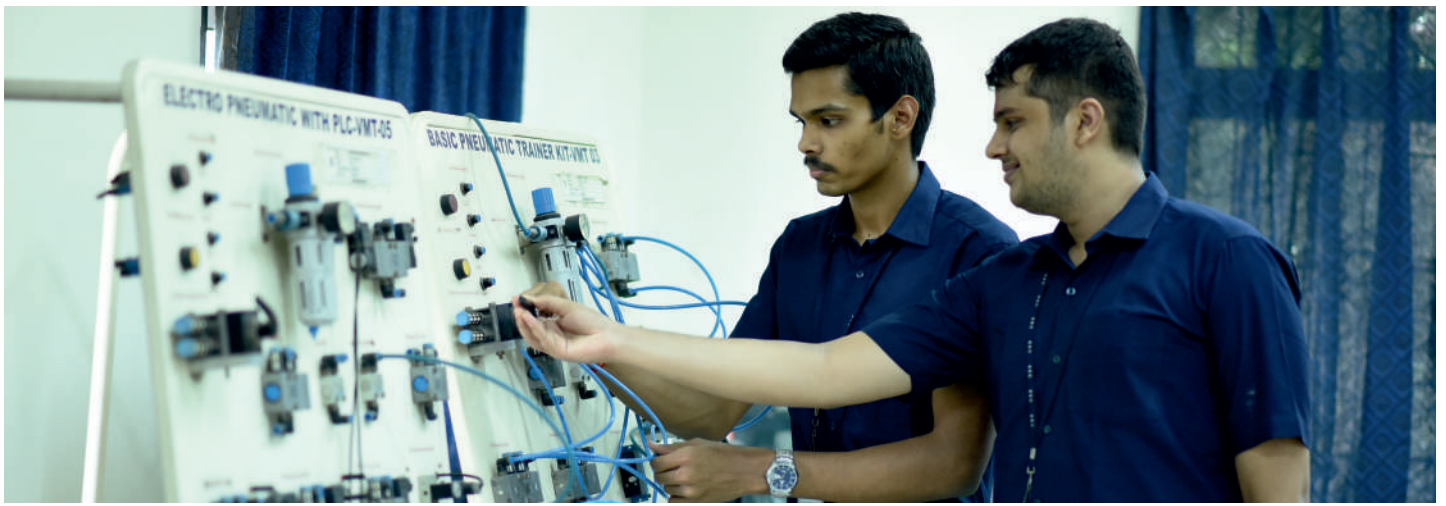
ELECTRONICS AND COMMUNICATION ENGINEERING

- Department ranked 50th among the top 100 Engineering Colleges for ECE
- Department recognized as a nodal center for research by Anna University with 4 recognized supervisors and 21 research scholars currently pursuing their research.
- 17 scholars have completed and received their doctoral degree from Anna University.
- Students inculcated with current technical and practical knowledge and also with the skills required for getting selected by companies through campus recruitment.
- Students are incited to stage their technical skills in several contests based on real time trends effectuated by several technical bodies like AICTE, TCS, NDRF, ATOS, IIC SMIT, Texas.
- Students pursuing their higher studies in India and abroad with a focus towards specific research.
- Development Programs, Carrier Guidance and Readiness for Competitive Exams conducted on a regular basis.



ELECTRICAL AND ELECTRONICS ENGINEERING

- Accredited by the National Board of Accreditation (NBA) valid till June 2023
- Staff and students of the department have won several awards from IET, Staffordshire University, UK, Word Education Congress, Education Matters, IGNITES, National Innovation Foundation, India (2 times Dr. A. P. J. Abdul Kalam)
- Department holds 3 patents
- Department has Centre of Excellence in Renewable Energy Research (CRER), Electronics Hobby Club, Energy Club.



ELECTRONICS AND INSTRUMENTATION ENGINEERING

- Accredited by the National Board of Accreditation (NBA) valid till June 2023.
- The department has the fame of placing highest number of students in core companies like Honeywell Automation Ltd, Schneider electric, Johnson Controls etc., and software companies like TCS, HCL, Infosys, Wipro, CTS, Hexaware Technologies, etc., and other product based companies like Zoho, Amazon, Byjus etc.,
- Signed MOU with leading industries like Sansel Instruments and Controls, Space zee, Prag Robotics Private Ltd, Intellectz Tech for all, Crane Software International Limited, Trend Instrumentation and Automation Private Ltd, National Instruments system, Yokogawa India Limited, Orbit Control Services, Technocraft Automation Solution Private Limited, Synkromax biotech Private Ltd, NSIC, VI Microsystem.
- The EIE department students earned 112 university ranks with 2 gold medals in the Anna university examinations.



MECHANICAL ENGINEERING

- Recognised as Research centre by Anna University, Chennai
- Excellent Infrastructure with centre of excellence in Computational Fluid Dynamics
- Diverse student Activities
- Excellent Placements
- Experienced Faculty Members with expertise in Thermal, Manufacturing and Design streams
- Entrepreneurs guidance for start-ups
- NBA and NAAC Accredited.



ROBOTICS & AUTOMATION ENGINEERING

- Multidisciplinary education, allowing students to develop innovative and intelligent products and systems that meet today's challenges.
- Focus on the interaction between machine and human
- Intersection of Mechanical engineering and Artificial intelligence
- Analysis and evaluation and validation of robotic systems in complex environments
- Modelling and design of robotic control systems to meet the next generation industry needs
- Ideation and business incubation opportunity
- Industry institute collaboration



BUSINESS ADMINISTRATION

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- Students are incited to stage their technical skills in several contests based on real time trends effectuated by several technical bodies like AICTE, TCS, NDRF, ATOS, IIC SMIT, Texas.
- Students pursuing their higher studies in India and abroad with a focus towards specific research.



ARTIFICIAL INTELLIGENCE & DATA SCIENCE

- **Industry Supported Lab - e-Yantra lab** supported by IIT Bombay funded by MHRD for various innovative projects to students
- **AWS Educator** - Amazon's global initiative to provide students comprehensive resources for building skills in the cloud, providing access to content, training, pathways, AWS services, and the AWS Educate Job Board with employment opportunities
- **State of the Art Laboratories** - The laboratories are equipped with state of the art technologies
- Curriculum to match the Industry Standards – To cater the needs of the current Industry Trends
- **CoE** – Centre of Excellence to enhance the skillset of students in niche technologies - Machine Learning in particular
- **Study Abroad Programme**– To collaborate with International Universities to enhance the 360 degree perspective of students
- **IIT Bombay Certification Programme**– Being an official Academic Center in collaboration with IIT Bombay to provide various international certification courses on latest technologies to students



Project day 2020



INFORMATION TECHNOLOGY

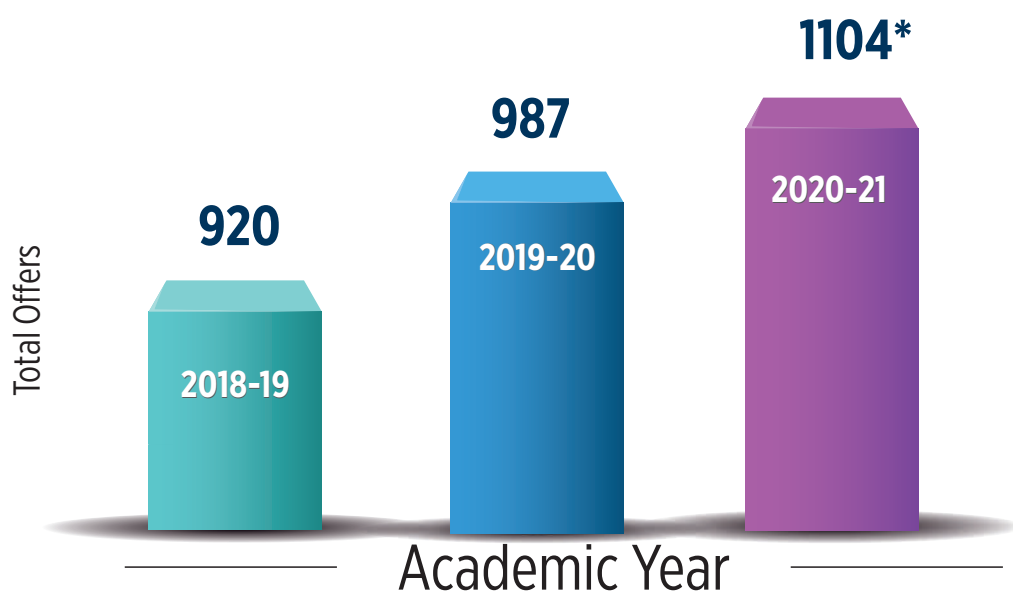
- **HACKATHON ON ETHICAL HACKING** – 3 Levels, 700 Participants, Prize Money Worth Rs 30,000 & merit certificated to all participants
- **Spoken Tutorial** – Official Academic Center, 1100 Student Certifications, 250 Faculty Certifications, Two weeks national level FDP with 800 participants across 200 institutions across India
- **Ericsson Internship Guidance Programme** – 38 Proposals, 22 Shortlisted for Round 2, 9 Project teams received Internship
- **SMART INDIA HACKATHON** – 10 Proposals, 5 Teams shortlisted for Round 2, 2 Students in the Grand Finale
- **G.R.O.W. UP** - Graduate Research Outstanding World class position by UP-skilling, Skill Development - Niche Technologies
- International Conference on Information, Communication and Networking(IECICN2020) – 162 papers received across the globe,
- 75 papers published in reputed journals
- International FDP on Internet of Things – One week virtual mode with 200 Faculties all around the world

PLACEMENTS



OUR RECURITES - Software/Product

PLACEMENTS




- Training Programmes to improve the Theoretical and Practical Skills of students right from their first year of study.
- Paid Internships and exposure to supplement theoretical learning pathways viz. Higher Studies or Entrepreneurship or Placement.
- Campus recruitment by top companies through Industry Institute Interaction.
- Highest placement in leading IT and Core Companies. Highest salary package of Goldman Sachs – 12 Lakhs/ annum, Google – 10 Lakhs / annum, PAYPAL – 25 lakhs/ annum, MUSIGMA – 21 lakhs/ annum, Flipkart – 15.4 Lakhs/ annum, DBS Bank – 15-45 lakhs/ annum, Consolidated Contractors Company – 12.3 lakhs/ annum, SAP LAB – 8 lakhs/ annum, ZOHO – 4.5 – 6.5 lakhs/ annum and so on.



Professional Societies, Student Clubs

The Institution offers opportunities for the students to participate in various professional societies to make them involve in the research and to kindle the interest in their area of specialisation

	Indian Society for Technical Education (ISTE)		Association of Civil Engineers (ACE)		The Institution of Electronics and Telecommunication Engineers (IETE)
	The Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE)		Institute of Electrical and Electronics Engineers (ACE)		Madras Management Association (MMA)
	International Society of Automation (ISA)		Indian Concrete Institute (ACE)		Computer Society of India (CSI)
	The Institution of Engineering and Technology		Society of Automotive Engineers (ACE)		The Institution of Engineers (IE-India)

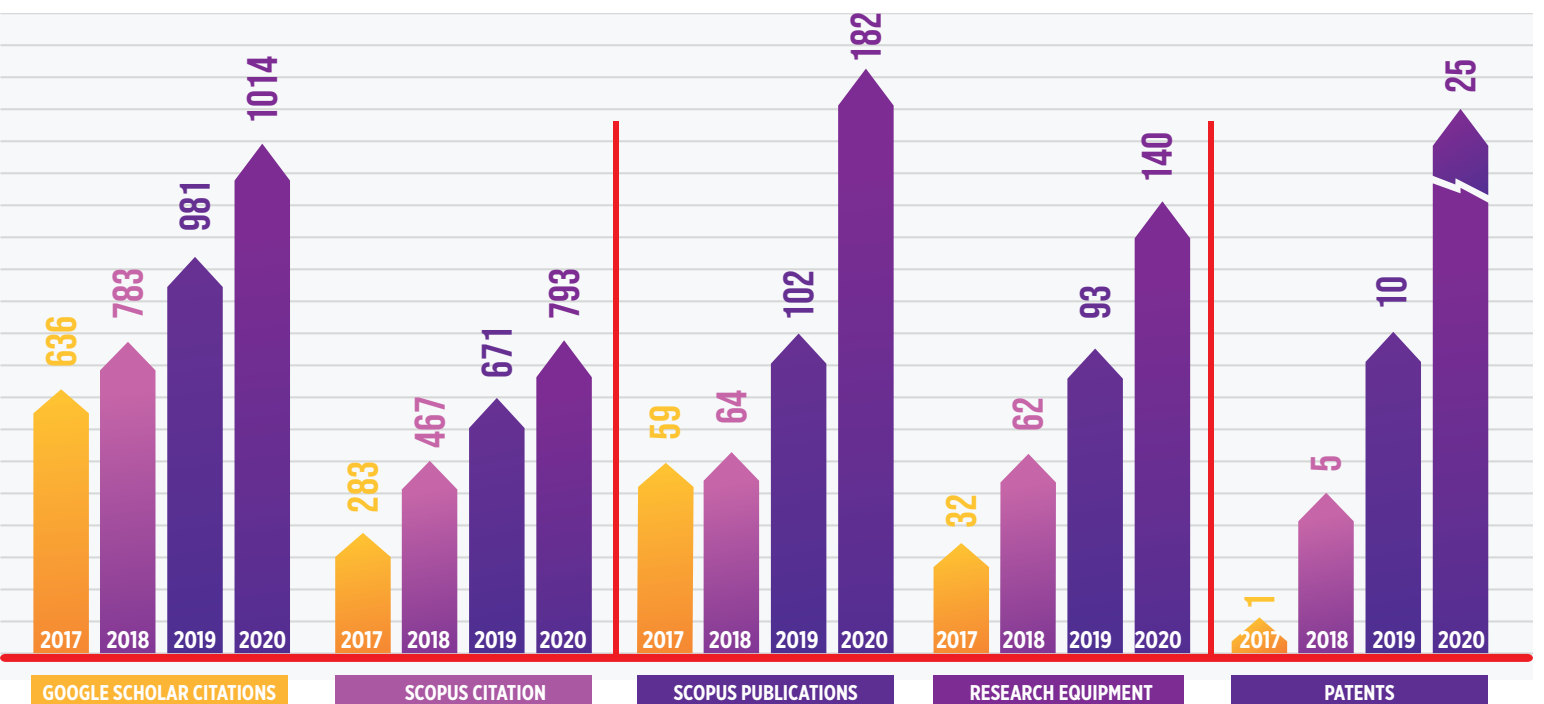
Clubs are a cornerstone of a student's life at EEC. Whether you are interested in academics, leadership or community service, EEC has a club for you. Each club is headed by a faculty co-ordinator.

National service Scheme [NSS]	National Cadet Corps [NCC]
Youth Red Cross [YRC]	Entrepreneurship Development Cell [EDC]
Quality Circle Forum of India [QCFI]	Alumni Association
Redressal and Grievances Club	Industry Institute Interaction redressal Cell [IIIRC]
Yukta Student Management Association	National Entrepreneurship Network [NEN] Citizen
Consumer Club [CCC]	Electronic Hobby Club Robotics Club
Energy Club	Economic Times Club
Science association	Cultural Club
Mathematics Colloquium	Economic Times Club
Literary association	Tamil Mandram
Google Student Club [GSC] Student Journal - Phoenix- College Magazine	Rotract Club



RESEARCH

We encourage our students to seek out research opportunities during their Under-graduate programs. Our extensive Research and Innovation weekly programs, Research Day programs and research publications allow students and faculty to showcase their research prowess. 27% of the under-graduate students are engaged with faculty in research.





P.R.I.D.E

[Projects, Research, Internship, Design and Entrepreneurship] Activities



PADMA DEV E

Department of IT

Secured All India Winner Position in COVID -19 NATIONAL BIO INFORMATICS ONLINE HACKATHON FOR FULL STACKERS organized by **Indian Institute of Technology, Bombay & Anna University, Chennai**

- Cash Prize of **Rs.50,000/-**
- International Internship
- Fellowship to work in Climate Smart Technologies till 2022



AMUDHA M



ISHWARIYAA R



AKILA RB



DARSHNI S



INDHUJA KS

A team from EEE Department has secured third prize in IIC SMIT International Innovative and Futuristic Product / Prototype Development Challenge conducted by Sikkim Manipal Institution of Technology (SMIT). A product was developed named

“Accidents preventing Smart Helmet using EEG Sensor”

- (Pre) Incubation Facility at AIC-SMUTBI / IIC-SMIT
- SEED Funds
- Prototype Adoption for pilot implementation at SMU/SMIT



ANJANA SURESH

III year B.Tech IT

Secured a position among the Top 9 Finalists of the National Design Challenge

“Design for a Sustainable India”

Organized by **NASSCOM &**
In Association with **ADOBE**

The following 3 teams were short-listed for the second stage of evaluation in AICTE CHHATRA VISHWAKARMA AWARDS 2020



Gayathri S

Bhagavath Kumar

Mentor: Mrs. R. Hema Asst. Prof. / ECE

Jabilo Jose J

Ajitkumar M

ECE

Pritham Ganesh S

Sharan Deepak R B

Mentor: Dr.R.Priyatharshini Asst. Prof. / IT

Rohit Amrose H

Vijaykumar S

IT

R. Aswath Bhargav

J. Jayaroshini

Mentor: Ms.R.Nagalakshmi Asst. Prof. / EIE

Divya S. V

Jagadeeshwaran. M

E&I

K. Akash





- Agri India Hackathon totally **17 teams** have registered from our Institute.
- Agri India Hackathon received more than **6000** applications across the country out of which top 300 are selected for round 2. In Round 2 out of 300 applicants 60 have been selected for the Grand Finale.
- 1 team from our Institute got shortlisted and participated in the Grand Finale held on 17.2.2021.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING



INDIA INNOVATION CHALLENGE DESIGN CONTEST CONCLAVE WINNERS



MOHAMED SHIEK MOTHIL. I



MANOKARAN. K



HARIHARAN. B



MOHSIN AHMED



DIVYESH. K



MUTHU SANTHOSH. S



Mrs. K. NANDINI

Mentor - Asst. Prof.



Won 4 Prizes at National Level in



1. Second in INNOVATION
2. Third in Design
3. Third in Cross Pad
4. Sixth in Overall

Achievements by Mechanical Engineering Students in



TIER III Events at South India Level

1. **Ganesh B V** and **Abdul Baasith M** Won I Place in Design Contest
2. **G. Arun** and **K. Ahamed Mushthafa** Won II Place in Mobile App Development contest
3. **Anantha Krishnan. G** and **K. Dhanush Kumar** Won III Place in Design Contest

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



AMUTHA M



INDUJHA K S



Won I Place for Idea Generation and Business Plan

at SDNB Vaishnav College for Women

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Won II Place in NATIONAL LEVEL PROJECT EXPO



AASHIKA MAGGIE F



ASHVITHA A



DIVYA P



HARINI SHREE B



Organized by
Jeppiar Institute of Technology



Mrs. A. T. Madhavi
Mentor - Asst. Prof.



Its all going on @ EEC

Campus Life

"Aesthetics are the fireflies sparkling through the darkest of times"

A peak into the celebratory times commemorized by Campus Life of SRM EEC this year.





#QuickFacts



Recognised by Department of Science and Industrial Research (DSIR, New Delhi) as SIRO (scientific and Industrial Research Organisation)



Recognised under section 2(f) & 12(B) of the UGC Act, 1956



All eligible UG and PG programmes have obtained permanent affiliation



More than 15% of the student get admitted in reputed foreign universities like Imperial College, London, Carnegie Mellon University, GeorgiaTech University, etc,



MHRD has ranked and awarded our institution as First amongst the cleanest Higher Education Institution in the country in the category "Technical College (Non Residential)" under Swachh Bharat scheme



Life skill development lab for Rs.30 lacs has been established in our institution for Vernacular medium students to improve their employability skills



Ours is one of the top 5 colleges in Chennai, respect to University results, placements and students' choice



MoUs inked with leading industries for enhancing teaching learning process and collaborative activities



Colleges secured 464 Anna University ranks in the last five years which includes many University 1st Ranks



AICTE sponsored design cell under "Project Centre for Technical Education Scheme" established in for 17.32 lakhs



Accredited by NAAC with 'A' grade



The college is in top Platinum grade - in the AICTE-CII survey 2018

Accredited by leading Industries such as TCS, Wipro and iGATE



Received funding from various government agencies for sponsored research worth Rs. 4.13 crores, including FIST from DST



1 TBPS leased line for internet 600 nodes with LAN and Wi-Fi connectivity, both in college and hostels



Margdarshan funded mentor program by AICTE (All India Council for Technical Education) for NBA Accreditation.



The institution is aligned with central government initiatives like Digital India, Skill India, Unnat Jyoti, Swachh Bharat Abhiyan, and Pradhan Mantri Jan Dhan Yojana



Out of Top 100 Engineering Colleges in India our college is graded as AAA+ by Carrier 360 magazine and Best B School by Business Today in the year 2018



Central Research and Development Laboratory has been established in our institution at a cost of Rs. 25 lakhs and several research projects are ongoing by receiving fund from various funding Agencies like DRDO-RIC, DST-FIST, DST-SERB, DST-SEED, AERB, AICTE, DST-DDP AND DRDO-CVRDE



The students are placed in reputed Industries through Campus Recruitment. We have achieved 99% placement for the year 2018 batch. Students are receiving TCS best Project Award (Rs. 20000) and TCS best Student Award (Rs. 10000 & Gold medal) every year since 2007

CAMPUS

EASWARI ENGINEERING COLLEGE

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RAMAPURAM
CHENNAI - 600089

FURTHER INFORMATION

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- www.srmeaswari.ac.in

facebook.com/SRMEaswariOfficial

instagram.com/srmeaswari

twitter.com/srm_easwari

For any queries regarding the admissions and procedures
reach us at our Toll Free Number



1800 103 2535

www.srmeaswari.ac.in

DOWNLOADABLE RESOURCES



PLEASE



RECYCLE