24 YEARS OF EXCELLENCE

S.A. ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Accredited by NBA, NAAC with 'A' Grade &
ISO 9001 : 2015 Certified Institution

Counselling Code
1114

ELECTRONICS AND COMMUNICATION ENGINEERING

Department that Imparts a Holistic Environment for Engineers…..

UG Programme : B.E. - Electronics and Communication Engineering
PG Programme : M.E. - Communication Systems
Research Programme : Ph.D. / M.S. (Research)

- **Highly Qualified and Dedicated Faculty**
- **Recognized R&D Centre by Anna University, Chennai**
- **More than 250 Reputed Publications and 12 Patents Filed**
- **R&D Projects worth 70 Lakhs**
- **43 University Ranks**
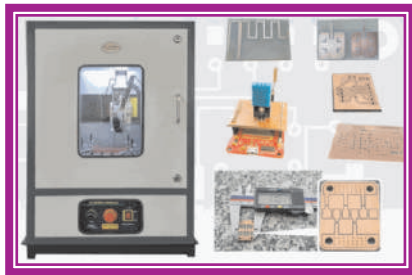- **Four Industry Attached Laboratories**

What we provide to our students

Beyond the Curriculum…….

❖ Lab/Project Based Learning
❖ Interaction with similar minds through Professional Society activities
❖ Guest Lectures/Seminars/Industrial Visits/Workshops
❖ Motivational Training
❖ Aptitude Training
❖ A course on Business English Certificate (BEC) certified by Cambridge English
❖ Hands on Technical Training on modern tools/softwares
❖ Group Discussion/Mock Interviews

INNOVATION HUB PRODUCT DEVELOPMENT LABORATORY

Insight of PCBMATE 300 W machine

Final PCB circuit board manufactured from PCB MATE 300W machine

Facilitating and Nurturing New Ideas ....

❖ Ascending to the next level of translating designs into products through the launch of PCB design and fabrication system lab a unique, unparalleled accomplishment across Thiruvallur zone
❖ Design, connect, engrave, drill and cut single layer PCBs with PCB MATE 300 W with a resolution of 3.125 Micrometers
❖ Machine control using CNC controller with Mach3 CNC software
❖ Hands on Technical Training on modern tools/softwares
❖ Group Discussion/Mock Interviews

Limitless Opportunities at SAEC-ECE

Professionalism and Ethics in Engg…

❖ Seed Money to Participate in National /International events/ Competitions
❖ Enhance Analytical, critical and logical thinking
❖ Skills to develop leadership, teamwork and time management
❖ Promote creativity through application of theories, resource and innovative thinking
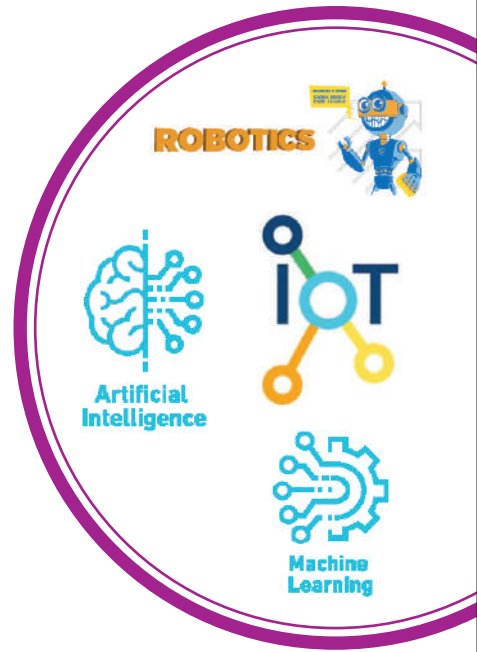

PLACEMENTS

Our Engineers are in ……..

❖ More than 25 top MNC companies for past 6 years
❖ Pre Placement Training
❖ Company specific training programme
❖ 85 % of students are placed before completion of course
❖ More than 30% students are placed in Top core companies before completion of course

Thrust Areas

Technology we focus on …..

- Advanced Robotics
- Industry Automation
- Engineering for Medicine
- Green and Sustainable Energy
- RF Design for 5G and beyond
- Internet of Things
- Wireless Sensor Networks
- Photonics and optical Networks
- VLSI

- Embedded Systems
- Artificial Intelligence
- Machine Learning
- Deep Learning
- Nano technology
- Bio-Sensors & Body Area Networks
- Speech Signal Processing
- Multimedia Codec design

Research Centre

Feed for the Talents …………..

- Anna University Recognized Research Centre
- Centre for Research in RF and Nano Electronics
- Centre of Excellence in Robotics and Industrial Automation
- Centre for Wireless Sensor Networking and IoT
- Received Fund of **Rs. 42.22** Lakhs from ISRO, **Rs. 16,22,000/-** from CVRDE, DRDO, **Rs. 7,61,373/-** from AICTE for Research Projects & **Rs. 11,00,000/-** from MODROBS
- Fund of **Rs. 6.51 lakhs** received from AICTE for STTP
- Sanctioned amount of **Rs. 12.7 lakhs** for Product Development Lab from AICTE

Funded Research /Sponsored Events through

Corporate Laboratories

To satisfy the thirst of budding engineers……..

- CAISER - Coovum Advanced Institue for Science & Engineering Research
- SPARK Automation Centre
- Intel Intelligent Lab
- Silicon Software Services

My experiences at SA-ECE

Our Assets ....

FAQ's

1. Why choose ECE at SAEC?

ECE - Electronics & Communication Engineering is one of the best course in Engineering. It is a core Course in which we get enormous job opportunities in either hardware or software field. It covers a wide range of applications which make our life easier and enjoyable. One can do wonders in core and non-core industries after graduating in ECE. The environment that prevails and ample opportunities provided at SAEC- ECE would make, dream come true as a core engineer/software Engineers or excel as a successful entrepreneur.

2. What is the career prospects/Scope of ECE?

ECE graduates may specialize in sub branches of EC sector. Some of the popular areas of specialization like VLSI Design, Optical Communication, Communication Systems, Applied Electronics, Computer Science, Embedded Systems ,Automation. Electronics and Communication Engineers may take up a job in the core electronics sector or in any of the allied fields. In core electronics sector, major players include semiconductor sector, electronics goods sector, electronics startup sector, communication field etc. Allied fields include IT sector, computer science field, electrical engineering field, etc.

3. What are the job opportunities for a ECE graduate?

An electronic engineer can find a job in Consumer electronics, manufacturing organization, Telecommunication, Health care equipment manufacturing , Mobile communication, Internet technologies, Power Electronics, IT industries, other industries like steel, petroleum and chemical industry, directing control and testing production process