



# 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**

Poonamallee - Avadi Main Road, Thiruverkadu, Chennai - 600 077.  
Phone : 044-2680 1999 / 2680 1499 Fax : 044-2680 1899  
Website : [www.saec.ac.in](http://www.saec.ac.in) E-Mail : [saec@saec.ac.in](mailto:saec@saec.ac.in)

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# What we provide to our students

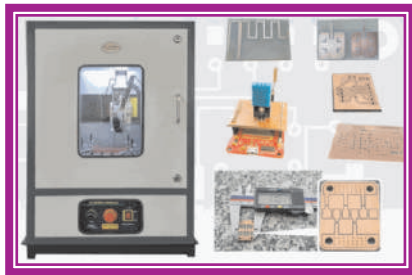
## Beyond the Curriculum.....

- ❖ 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/software
- ❖ Group Discussion/Mock Interviews



# INNOVATION HUB PRODUCT DEVELOPMENT LABORATORY

## Facilitating and Nurturing New Ideas ....



Insight of PCB MATE 300 W machine



Final PCB circuit board manufactured from PCB MATE 300W machine

- ❖ 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/software
- ❖ 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

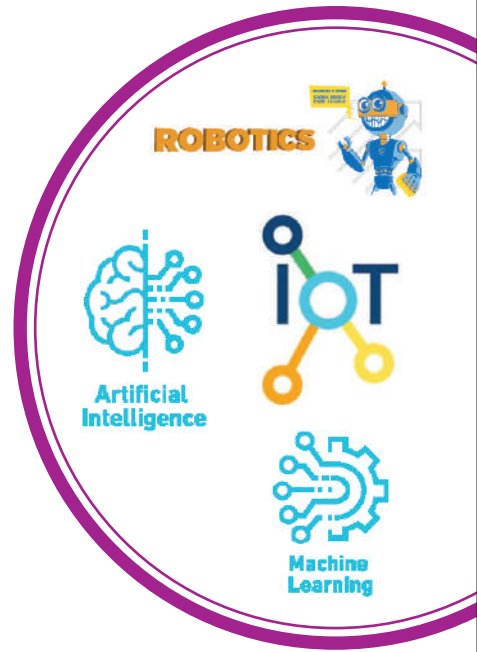

## Our Engineers are in .....

- ❖ 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 Institute for Science & Engineering Research
- ❖ SPARK Automation Centre
- ❖ Intel Intelligent Lab
- ❖ Silicon Software Services



# My experiences at SA-ECE

## Our Assets .....

**ALUMNI TESTIMONIAL**

**MUKESH H**  
ECE ALUMNI | 2012 - 2016 BATCH  
ASHTRIX

The place which trained me and shaped me into an entrepreneur to sustain in this technological era on my own, I sincerely thank each and every faculty of ECE department for their dedication in helping their students in all fronts.

**ASHTRIX**




**ALUMNI TESTIMONIAL**

My College days are the finest days of my life, lived in joy, spent in carefree ways, remembered with a heavy heart.

**Infosys**

**GOPINATH TK**  
ECE ALUMNI | 2012 - 2016 BATCH  
Infosys - Systems Engineer



**ALUMNI TESTIMONIAL**

My College is the place where I grew and made beautiful memories. I have friends and professors who helped me create a new life and I thank them for being part of it.

**Cognizant**

**VASANTH KUMAR G**  
ECE ALUMNI | 2012 BATCH  
Associate - Cognizant Technology Solutions



**ALUMNI TESTIMONIAL**

I feel happy to say that I belong to S.A. Engineering College alumni. Success doesn't come to an Engineering graduate just because of his/her hard work alone. My success was due to my college's caring Management, dedicated Faculty who not only taught us but also made us get success in entering into a reputed company like Cappgemini in the campus interview. My sincere thanks to S.A. Engineering College.

**Cappgemini**

**ARCHANA K**  
ECE ALUMNI | 2013 - 2017 BATCH  
Software Engineer - Cappgemini



## 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