



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



Vision

To empower the Electronics and Communication Engineering students with technological excellence, professional commitment and social responsibility.

Mission

- Attaining academic excellence in Electronics and Communication Engineering through dedication to duty, innovation in learning and research, state of art laboratories and industry driven skill development.
- Establishing suitable environment for the students to develop professionalism and face life challenges with ethical integrity.
- Nurturing the students to understand the societal needs and equip them with technical expertise to provide appropriate solutions.
- Providing breeding ground to obtain entrepreneurial skills and leadership qualities for self and societal growth.

Programmes Offered

- B.E - Electronics and Communication Engineering since 1978
- M.E - Communication Systems since 1995
- Ph.D - Information and Communication

Department Overview

The Department of Electronics and Communication Engineering, established in 1978, offers B.E, M.E and Ph.D. Degrees, with NBA and NAAC A++ accreditation. It is a hub for innovation, hosting a TIFAC CORE in Wireless Technologies with Industry and National Program supported labs. The department has secured 15+ patents and receives funding from top organizations like DRDO, DRDL, Meity, DIT, CDAC, ISRO, RCI, NPMAS, AICTE,DST,UGC. Known for strong industry ties, it boasts an excellent placement record in leading core companies such as Honeywell, Multicoreware, EmbedUR, Einfocips and Amphenol Omniconnect India Pvt Ltd.

Highlights

- DST-FIST supported TIFAC CORE in Wireless Technologies and Antenna Testing Facility (up to 18 GHz).
- Incubated Thiagarajar Telekom Solutions Pvt. Ltd. and secured five international patents.
- Received AICTE CII Best Industry Linked Institution award and CISCO Networking Academy Award.
- Granted with sponsored projects from MeitY, DRDO, ISRO.
- Active professional societies student chapters such as IEEE, IEI and received IEEE Student Branch Award 2024.

Centre of Excellence in Electronic Product Testing (CEEPT)

- Mixed Signal and Embedded board testing & validation
- Image processing based PCB Inspection
- EMG Sensor validation
- RF component testing
- EMC & EMI Pre-compliance chamber facility
- Antenna Parameters and Radiation Pattern testing facility with Anechoic chamber
- RF Electronic Product reliability testing
- Altitude test chamber & Industrial chiller facility
- Wireless Communication test benches



Laboratories Infrastructure

- RF Communication Lab
- Signal Processing Lab
- VLSI Lab
- Image Processing lab
- Embedded system lab
- Electronics system design lab
- Computer networking lab
- MEMS Design center
- Remote Sensing lab
- Project lab



Cascade EP6Probe station

Faculty Strength

26

Faculty with Ph.D

24

Anna University
recognized supervisors

18

Lab Technicians

10

Supporting Staff

02

Industry Interface



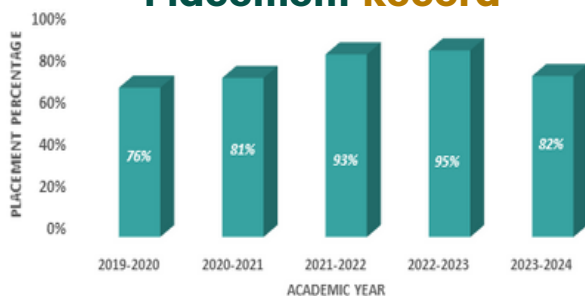
Industry and National Programme Supported Labs

- Altera VLSI Lab
- NPMASS MEMS Design Centre
- CISCO Computer Networking Lab
- ISRO Remote Sensing Lab



Student Achievements (2019-2024)

Placement Record



Highest LPA

38 LPA

7.25 LPA

Lowest LPA

Our Recruiters

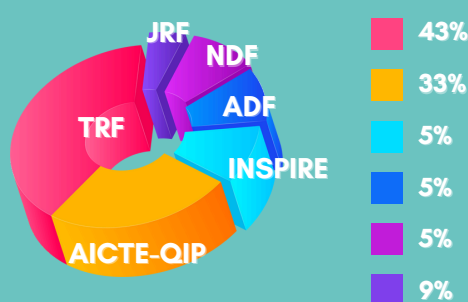


Alumni Entrepreneurs

- Mr. Omnath Premnath (2015), CEO - Wylo
- Mr. N. Parthiban (2009), CEO - Linumiz
- Mr. A. Madhavaraj (2009), CEO - IndiaSpeaks Research Labs
- M. Renganathan (2001), CEO - Vishakan Packaging Industry
- Mr. R. Suresh kumar (2009), Director - Bellberries Foods and Beverages LLP

Research & Development

Ph.D. Scholars



Publications

355+ Conferences

28+ Book Chapters

Total Publications 824+

Citations - 21615
h-index - 53
i10-index - 677

441+ Journals

Total Research Grant Received

8+ Crores

Ph.D. Awarded (2019-2024) - 53
Total Ph.D. Awarded - 156

Faculty Achievements

- TIFAC Postdoctoral Fellowship - 1
- BOYSCAST Postdoctoral Fellowship - 1
- Young Scientists Award - TNSCST - 2
- Fast Track Young Scientist Award by DST - 2
- IUCEE International Engineering Educator Certification - 4
- SERB Teachers Associateship for Research Excellence (TARE) - 4
- MSME 3.0 - 1
- Naan Mudhalvan Niral Hackathon - 2

Adjunct Faculty Identities



Professional Societies



Higher

38

studies

GATE, CAT, GRE

73

qualifiers

TOFEL & IELTS

08

qualifiers

NPTEL

370

certifications

Patents

15+

Notable Alumni



Dr. Balaraman Ravindran
1993-ECE
Professor & Head
Department of Data Science & AI, IIT Madras.



Mr. Arun Kumar Parameswaran
1993-ECE
Senior Vice President & Managing Director,
Salesforce, India



Mr. Tilak Kesavapillai
1988 - ECE
Global Product Development Engineering,
Zebra Technology, New York, USA



Ms. Jeyanthi
1985 - ECE
Group Director Prof & Head ,
System Integration Group, ISRO, India



Mr. P. Aadharsh
2013 - ECE
Company Commander
Major in Indian Army

Non-technical Expertise of students



Subanithi Subramani C
Second Year ECE
Awardee in **Thiruvartuprakasha Vallalar**
201 - Avatar DAY celebration 2024



A team of Second Year ECE Students
Won Cash Prize - Rs.40,000
Design Spark Challenge 2025
School of Design Thinking at Intellect Design
Arena, Chennai



Barkavi G
Second Year ECE
Winner,
National level Silambam competition
2024

Alumni Testimonials



Mr. Madhu Sathiyaseelan
Batch 2003
Sr. Director, Digital Business,
Cognizant Technology Solutions,
North Europe

As an alumnus of the Department of ECE at TCE, I credit my success as a Business Development Director to the exceptional education and mentorship I received. The department's strong academic foundation, hands-on experience, and collaboration with industry leaders, including DRDO, prepared me for both my career and MBA. I am deeply grateful to the faculty for their guidance and support. TCE empowered me to achieve my dreams and stay ahead in a tech-driven world.



Ms. Bama M
B.E - Batch 2003
M.E - Batch 2005
Senior staff systems engineer,
Qualcomm

As a proud ECE alumna of TCE, my success as a Software system engineer stems from the strong academic foundation, technical expertise, and problem-solving skills I gained. The dedicated faculty, state-of-the-art infrastructure, and industry exposure played a pivotal role in shaping my career. I'm deeply grateful for the mentorship, learning experiences, and opportunities that have empowered me to achieve my dreams.

