



### Courses offered

#### Undergraduate Courses

- B.E CSE
- B.E CSE (AIML)

#### Postgraduate Course

- M.E CSE

#### Ph.D. - Full Time (Under)

- AICTE Doctoral Fellowship (ADF)
- Quality Improvement Program (QIP)
- Thiagarajar Research Fellowship (TRF)

#### Ph.D. - PartTime (Under -Anna University)

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

### Vision

Excellence in Computer Science and Engineering education and research

### Mission

- Strive for academic excellence in Computer Science and Engineering through a creative teaching-learning process.
- Transform students into technically competent, socially responsible and ethical Computer Science professionals.
- Create centres of excellence in leading areas of Computer Science and Engineering.
- Incubate, apply and spread innovative ideas by collaborating with relevant industries and R&D labs through focused research groups.
- Attain these through continuous team work by a group of committed faculty, transforming the Computer Science and Engineering department as a leader in imparting Computer Science and Engineering education and research.

## Department Overview

### Theme Area:

Knowledge Engineering

### Special Interest Group:

- Systems Engineering and High Performance Computing
- Software and Data Engineering
- Networks and Security
- Artificial Intelligence (AI) and Data Science
- Theoretical Computer Science

### Strength of Our Innovative Curriculum:

- Outcome-based learning
- Activity-based Innovative Teaching Learning Methods
- Course contents in-line with IEEE-ACM CS curriculum
- 8<sup>th</sup> Semester Full-term Internship for UG students

Faculty Strength

27

Research Scholars

23

Supporting Staff

10

### Joint Teaching:

The department offers joint teaching programs with prestigious higher learning institutes, including: IIT Roorkee, IIITDM Kancheepuram, NIT Trichy, NIT Andhra Pradesh, NIT Rourkela, Institute of Mathematical Sciences, Chennai.

### Adjunct Faculty:

Adjunct faculty from IIM - Lucknow, IBM - Bangalore, IIT - Bombay

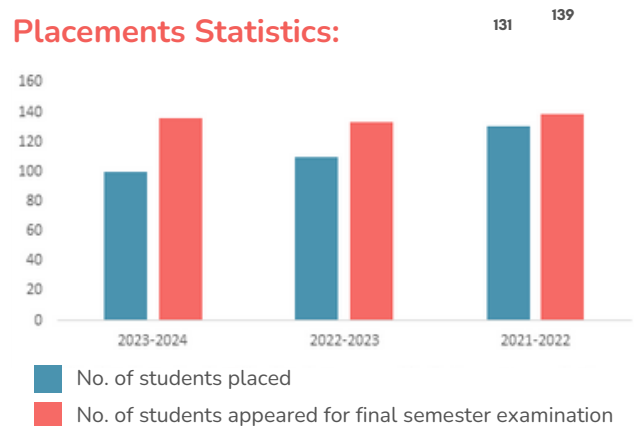
### Industry Supported Courses Offered by:

Dataever consulting, Arria NLGPLC, Securein Inc, Thought Works, CDAC, Honeywell, BUDDI.AI, Covance, Zomato, WIPRO, Kynderel, Labcarp

### Sponsored Research:

- AICTE - All India Council for Technical Education
- UGC - University Grants Commission
- DIT - Dissemination of Information Technology
- DST - Department of Science and Technology
- NTRO - National Technical Research Organization
- MEITY - Ministry of Electronics and Information Technology
- AU-CFR - Anna University Centre for Research
- FOSSEE IITB - Free/Libre and Open Source Software for Education

### Placements Statistics:



### Consultancy Project:

Honeywell, Yahoo! India

Total Research Grants amount

3 Cr

482

### Publications

- Journals - 216
- Book Chapters - 71
- Conference - 195

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### Startups

- Your Local Assistant
- Techtorad – Arevamp in Cyber security
- Cybersek
- Raising Infotech
- Monster Oven – A cloud kitchen
- Your Digital Online

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### Patents

- Granted – 2
- Published – 2
- Design Patent Granted - 1

### List of Laboratories

- Artificial Intelligence Lab
- Multicore Lab
- Parallel Processing Lab
- Software Engineering Lab
- Intelligent System Lab
- Project Lab

## Our Recruiters



## Industry supported labs



### The Microsoft Technical Services Lab

The Microsoft Technical Services Lab offers access to Microsoft tools like Office, Visual Studio, and SQL Server, supporting hands-on learning in software development and database management. It equips students and faculty with industry-standard skills for careers in software development, data management, and IT infrastructure.

### The Unity Multimedia Lab

The Unity Multimedia Lab provides tools like Unity 3D, Blender, and HTC Vive for developing interactive multimedia, VR experiences, and 3D simulations. It also supports web and mobile app development, fostering multidisciplinary learning in multimedia and virtual reality.



## MoU's Signed

- Infosys Springboard, Bangalore
- SmartCliff, Coimbatore
- MSME Technology Development Centre, Madurai
- Unity Academic Alliance Partnership with ARK Info Solutions , Mumbai

## Strategic Plans and Goals

The department has identified three frontier areas to focus on in the future:

- Generative AI, which leverages deep learning models to create realistic content like text, images, and code.
- Quantum Computing, which harnesses quantum mechanics to solve complex problems faster than classical computers.
- AR/VR, which blends real and virtual environments to revolutionize user interaction in fields like gaming, healthcare, and education.

## Faculty Achievements

- 08 MOOC Courses Designed
- Online Courses Completion  
Infosys SpringBoard, IBM, NPTEL, Coursera, MEITY - 50 courses
- IIT Delhi Summer Research Fellowship Awarded
- Faculty Industry Internship Participation at Multicoreware

## Student Clubs & Professional Societies



Algo geeks club



CSI -Computer Society of India



Institute of Electrical and Electronics Engineers



CSE Association (CSEA)



## Student Achievements



Smart India Hackathon



Smart India Hackathon 2024 at NIT Surathkal



PSG ITECH Hackathon 2024 at Coimbatore



PEC HACKS 2024 at Panimalar Engineering College, Chennai



Cryptoshield Hackathon 2024 at Amrita Vishwa Vidyapeetham, Chennai



PALS INNOWAH Hackathon 2024 at Thiagrajar College of Engineering, Madurai



**Ramya. V (Batch - 2023)**  
Author of the Tamil book  
எழுதாத காகிதங்கள் (2021)  
(Ezhuthadha Kagidangal)



**Ishwarya.N (Batch - 2026)**  
Author of the Tamil book  
ஏழையின் சிரிப்பு (2023)  
(Yezhaiyin sirippu)

## Distinguished Alumni



**Ms. Meerah Rajavel**  
Batch 1992  
CIO ,Citrix inc USA



**Dr. Nataraj Nagaratnam**  
Batch 1992  
CTO for Cloud Security, IBM



**Ms. Prabina Premachandran**  
Batch 2014  
IPS officer



**Mrs. Saranya Muthukumar**  
Batch 2005  
CEO of Vanguard Kemagro



**Er. Anand Rajaguru**  
Batch 2010  
IPS, received Commendation  
Certificate from Respected  
State Police Chief & DGP



**Dr. G. Aghila**  
Batch 1988  
Professor Director of NIT, Trichy

## Alumni testimonials



**Snehapoorni K (2019 - 2023)**  
Attending TCE has been a transformative experience. The academic environment here is both challenging and nurturing, pushing me to grow in ways I never imagined.



**Subash J (2019 - 2023)**  
Attending TCE has been a life-changing journey for me. The rigorous academic environment, the vibrant hostel life, and the bonds I formed with friends have left an indelible mark on me. TCE has shaped me holistically, helping me grow in all aspects to become the person I am today. It will always hold a special place in my heart.

## Contact

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Email: [hodcse@tce.edu](mailto:hodcse@tce.edu)



Scan for more information

