



Thiagarajar
College of Engineering

where quality and ethics matter



NEWSLETTER

ANNUAL EDITION: JANUARY - DECEMBER 2025



INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education Initiative)



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IT & MECHATRONICS

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தமிழ்த்தாய் வாழ்த்து

நீராருங் கடலுடுத்த நிலமடந்தைக் கெழிலொழுகும்
சீராரும் வதனமெனத் திகழ்பரதக் கண்டமிதில்
தெக்கணமும் அதிற்சிறந்த திராவிடநல் திருநாடும்
தக்கசிறு பிறைநுதலும் தரித்தநறுந் திலகமுமே!
அத்திலக வாசனைபோல் அனைத்துலகும் இன்பமுற
எத்திசையும் புகழ்மணக்க இருந்தபெருந் தமிழணங்கே!
தமிழணங்கே!

உன் சீரிளமைத் திறம்வியந்து செயல்மறந்து வாழ்த்துதுமே!
வாழ்த்துதுமே!
வாழ்த்துதுமே!

கலைத்தந்தை வாழ்த்து

பெருமுத்தாம் முத்தமிழைப் பேணிய நம் கலையரசர்
திருமுத்தாய்த் தொழினலமும் செழுங்கலையும் வளர்த்த வள்ளல்
அருமுத்தாம் கலைபயிலக் கல்லூரி பலகண்ட
கருமுத்து தியாகராசர் பேருள்ளம் வாழியவே.
சித்தத்துட் சிவத்தை வைத்தார் செந்தமிழ் நாவில் வைத்தார்
வித்தகம் தொழிலில் வைத்தார் விருப்பினைத் தொண்டில் வைத்தார்
எத்திசைப் புகழும் வைத்தார் எண்ணிலார் வாழ வைத்தார்
அத்தனாம் தியாகராசர் அண்ணலைக் கருத்துள் வைப்பாம்.

Vision

- World class quality technical education with strong ethical values

Mission

We at Thiagarajar College of Engineering (TCE) shall continuously strive to,

- Achieve academic excellence in Science, Engineering and Technology through dedication to duty, commitment to research, innovation in learning and faith in human values.
- Enable the students to develop into outstanding professionals with high ethical standards capable of creating, developing and managing global engineering enterprises.
- Fulfil expectations of the society and industry by equipping students with state-of-the-art technology resources for developing sustainable solutions.

Achieve these through team efforts, making Thiagarajar College of Engineering, the socially diligent trendsetter in technical education.

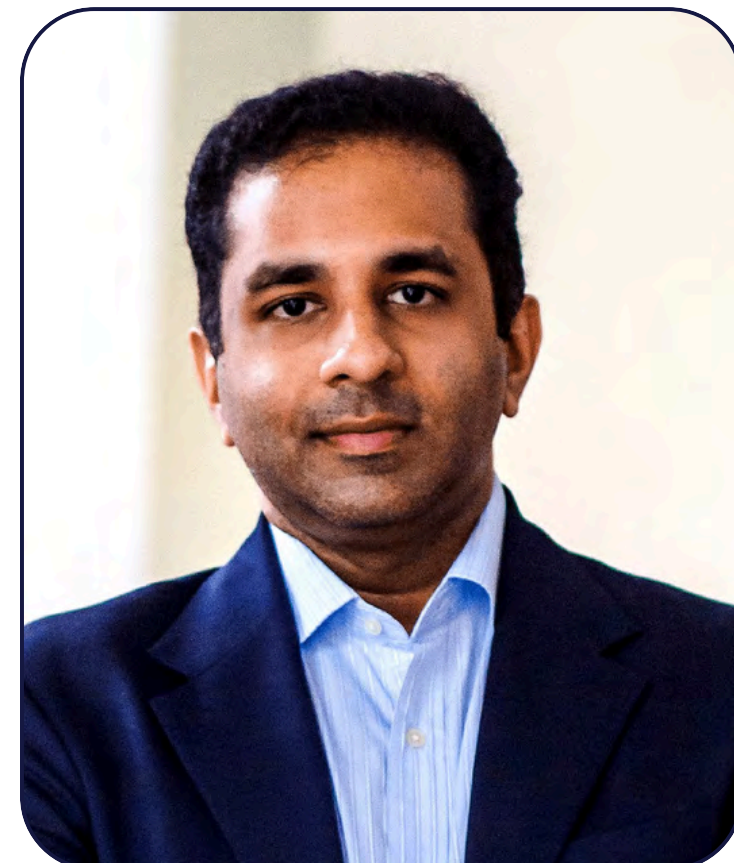
About the TCE

Thiagarajar College of Engineering is guided by a set of enduring core values that form the ethical and philosophical foundation for its institutional identity and strategic direction. The college places the highest emphasis on academic excellence, achieved through rigorous pedagogy, continuous curriculum enhancement, and a commitment to outcome-based education. A deep-rooted adherence to ethical integrity and human values informs all institutional processes, fostering a culture of responsibility, transparency, and mutual respect. The institution is committed to nurturing a spirit of innovation and research, promoting scholarly inquiry, technological advancement, and knowledge creation that addresses contemporary societal challenges. Equally integral to TCE's ethos is a profound sense of social responsibility and sustainability, which underscores the college's dedication to environmental stewardship, community engagement, and inclusive development. The value of professionalism and global preparedness is instilled in graduates who are equipped to lead and contribute meaningfully in a complex, interconnected world. Finally, the principle of collaborative engagement reinforces a shared vision and collective effort among all stakeholders, faculty, students, alumni, and partners in pursuit of institutional excellence. These core values collectively inform the formulation of strategic objectives and serve as the foundational pillars through which the vision of TCE is actualized.

Mr. K. Hari Thiagarajan

Chairman & Correspondent

It gives me immense pleasure to present and release the College Newsletter of our institution, which reflects the vibrant academic, cultural, and research activities that shape our college community. This newsletter serves as an important platform to showcase the achievements and collective efforts of our students, faculty members, and staff. It highlights significant milestones across departments, including academic accomplishments, research initiatives, co-curricular activities, and community engagement. In today's era of continuous learning and knowledge sharing, similar publications play a vital role in documenting institutional progress and strengthening communication within the academic community. I appreciate the dedicated efforts of the editorial team, faculty coordinators, and students in bringing out this edition and wish the newsletter continued success in inspiring excellence.



Dr. L. Ashok Kumar

Principal

I am delighted to present the release of our college newsletter, which reflects the vibrant academic, cultural, and creative spirit of our institution. This publication serves as a platform to showcase the achievements, initiatives, and contributions of our faculty members, students, and staff. The newsletter highlights the diverse activities organized in our college, including academic accomplishments, research initiatives, and co-curricular and extracurricular events that enrich the learning environment. Standing as a testament to the collective efforts and enthusiasm of our college community, this publication promotes effective communication, fosters creativity and collaboration, and serves as a valuable record of the institution's progress and achievements. I appreciate the sincere efforts of the editorial team, faculty coordinators, and students in bringing out this informative and inspiring newsletter and wish it continued success.



Dr. S. Baskar

Dean - Academics and Accreditation

I am delighted to release the latest edition of our college newsletter, which reflects the vibrant academic environment and dynamic activities of our institution. This publication serves as a valuable platform to document and share the achievements, initiatives, and milestones of our faculty members and students. The newsletter captures the essence of our academic journey by highlighting scholarly activities, research accomplishments, seminars, workshops, and notable student achievements. It also showcases the creativity, dedication, and collaborative spirit that define our college community. Students are encouraged to actively engage in academic activities while developing their writing, creativity, and critical thinking skills through these publications. I congratulate everyone involved in this initiative and extend my best wishes for the continued success of this newsletter.



Institute Achievements and Recognitions

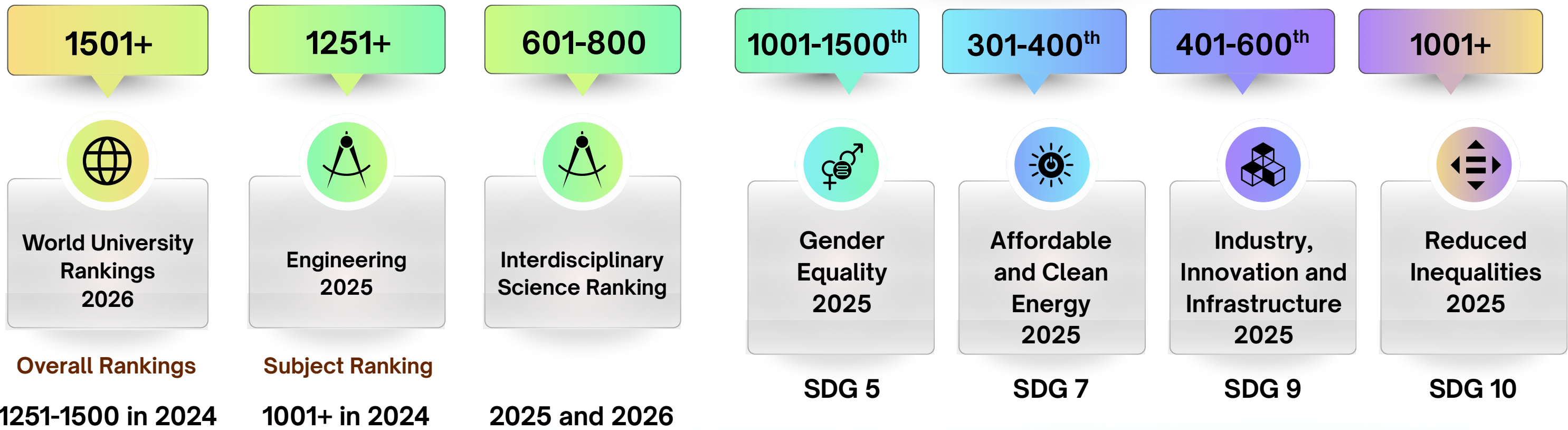


QS World University Rankings:
Asia 2026



THE IMPACT RANKINGS 2025

1001 – 1500 in 2024 and 2025



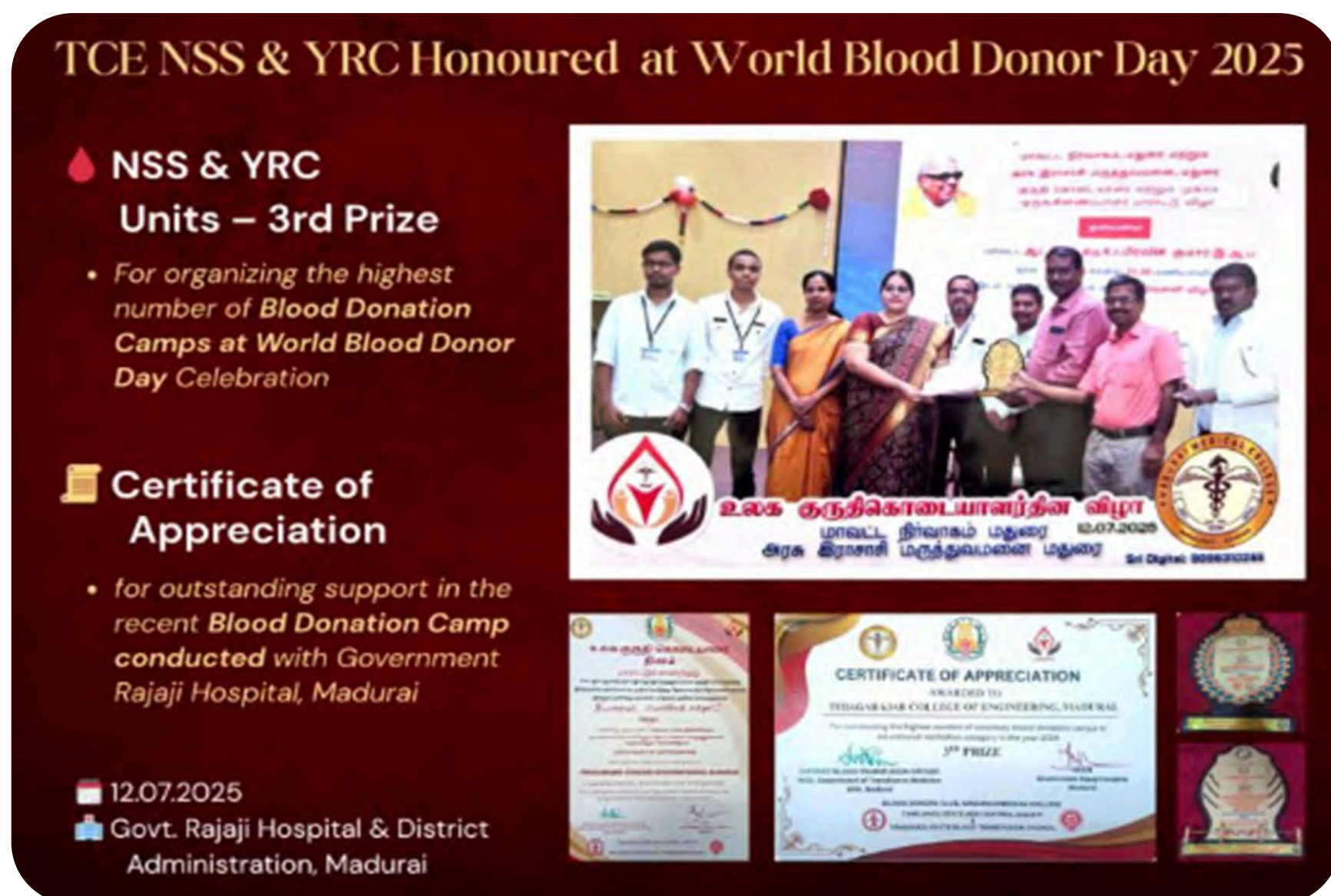
TCE has been ranked among the top institutions in India in the NIRF 2025:



- SEEM National Sustainability - Platinum Awards
- AICTE Smart Campus and CII-ABK AOTS 5S Platinum Awards



Institute Achievements and Recognitions



- 3rd Prize Awarded to NSS & YRC Units of Thiagarajar College of Engineering, Madurai, for organizing the highest number of Blood Donation Camps at the World Blood Donor Day Celebration, held on July 12, 2025, by the Government Rajaji Hospital & District Administration, Madurai.

TCE Academic Programmes



UG Programmes

B.E./ B.Tech.

1. Civil Engineering
2. Mechanical Engineering
3. Electrical and Electronics Engineering
4. Electronics and Communication Engineering
5. Computer Science & Engineering
6. Computer Science & Engineering (AI&ML)
7. Information Technology
8. Mechatronics Engineering
9. Computer Science & Business Systems

Bachelor of Architecture Programme

10. Architecture

Bachelor of Design

11. B.Des (Interior Design)



PG Programmes

Master of Engineering

1. Structural Engineering
2. Construction Engineering & Management
3. Computer Science and Engineering
4. Communication Systems

Master of Planning

5. M. Plan

Master of Computer Applications

6. MCA (2 years)

Integrated Prog. offered in Science

7. M.Sc Data Science (5 years)

PhD in Engineering, Design, Sciences and Architecture

Proposed New Programmes (2026–27)

B.Tech. Fashion Technology – T'SEDA
B.E. Electrical & Computer Engineering – EEE
M.E. Embedded Systems – EEE
B.E. Electronics Engineering (VLSI Design & Technology) – ECE

Additional Intake (2025–26)

B.Tech. IT: 180 - 240
B.Tech. CSBS: 69 - 120
M.Sc. Data Science: 40 - 80

Transforming Engineering Education through CDIO



Thiagarajar College of Engineering (TCE), Madurai, began adopting the CDIO (Conceive–Design–Implement–Operate) framework in 2018 with a clear vision to bridge classroom learning with - world engineering practice. Over the years, this initiative has evolved into a comprehensive experiential learning ecosystem integrating Engineering Exploration, Design Thinking, TRIZ, and a structured four-semester project model.

A key strength of TCE's CDIO implementation is early exposure to systematic problem-solving. Through Engineering Exploration, students learn to observe existing systems, perform reverse engineering, and conduct stakeholder analysis. Design Thinking nurtures empathy-based problem framing and creative ideation, while TRIZ introduces structured inventive principles to resolve engineering challenges. Together, these approaches build analytical thinking, creativity, and confidence well before students enter advanced project stages.

At the heart of this model is the four-semester CDIO project journey (Semesters V to VIII). Unlike conventional single-semester projects, TCE's approach transforms project work into a continuous learning experience.

During **Phase I (Semesters V & VI)**, students analyze existing products or systems, identify limitations, and propose meaningful feature enhancements. Literature surveys, simulations, feasibility studies, and validation exercises help learners strengthen investigative skills and gain hands-on experience with modern engineering tools.

In **Phase II (Semesters VII & VIII)**, students move on to original problem identification and solution development. They design system architectures, develop proof-of-concept prototypes, and finally build product-grade solutions tested under real-world conditions. User feedback, sustainability mapping, cost analysis, and professional documentation are integral to this phase, giving students exposure to the complete engineering lifecycle—from concept to deployment.

TCE's Makerspace, Project Labs and the AICTE IDEA Lab play a vital role in supporting this journey. These facilities enable rapid prototyping, hardware/software integration, and interdisciplinary collaboration, allowing students to translate ideas into tangible outcomes. The learning environment encourages experimentation, teamwork, and innovation.

Through this integrated CDIO framework, TCE has strengthened student ownership of learning, enhanced employability skills, and cultivated system-level thinking. More importantly, it has fostered a culture of experiential education preparing graduates not only to succeed in industry but also to contribute meaningfully to society.

At TCE, CDIO is more than a framework; it is a commitment to shaping confident, competent, and socially responsible engineers.

TCE Online Courses

About TCE Online Certification Courses

TCE has prior experience in successfully offering its own online courses that combine the best of both worlds— theoretical knowledge and practical application.

Previous offerings

TCE extended its reach by offering 20 expertly designed online certificate courses to external participants, demonstrating strong engagement and sustained commitment. Participants came from 45 reputed institutions and industries across India, including NIT Calicut, VIT, SRM, Accenture, and Bangalore International Airport Ltd., reaffirming the positive impact and credibility of TCE's online education initiatives.

- **269 registrations**
- **163 completions (61% completion)**

Core Courses

- Industrial Automation
- FPGA Based Digital System Design
- Discrete Time Signal Processing
- Smart Grid Implementation and Feasibilities
- Theory of Computation – TOC Made Easy
- Visual Arts – A Tool for Creativity
- Agile Project Development
- Material Procurement and Management
- Quantitative Methods in Management
- Digital Project Planning and Control
- Geometric Modelling
- Fundamentals of Business Intelligence and Analytics
- Essential English for Professionals

Frontier Technologies

- MATLAB Programming with 100 Codes for Budding Engineers
- AI for Engineers
- Applied Data Science with Python Specialization
- Marketing and Social Media
- Data Visualization
- Applied Statistics with Python
- Mobile Application Development using Android
- Cloud Computing for Beginners

Analytics and Security

Tools for Data Analytics

- Web Analytics
- Social Network Analysis
- Python Programming for Data Analytics
- Predictive Analytics with Regression – Simplified
- Big Data Analytics
- Graph Analytics
- Statistical Modeling and Analysis
- Cyber Security and Cyber Law
- Blockchain

Placement & Higher Studies (Crash Courses)

- C Programming – A Primer for Placement
- Data Structures – Placement Bootcamp
- Database Management Systems – Placement & GATE Roadmap
- Programming in Java – A Practical Approach
- Modern Testing Tools and Practices – A Primer

- Explainable Artificial Intelligence
- Statistics for Machine Learning
- Big Data Tools and Techniques
- Printed Circuit Board Design
- Thermal Management for Electronics Devices
- Cyber Physical Systems
- Quantum Computing

TCE and NPTEL Swayam Plus Initiative

- MoU with Indian Institute of Technology (IIT) Madras, establishing a key collaboration under the NPTEL Swayam Plus Initiative by Ministry of Education, Government of India, 7th March 2025.
- Aims to offer industry-relevant online courses through the SWAYAM Plus platform – 10 students have registered for Advanced courses such as Ignite for entrepreneurs-A foundational course, AI/ML using Python, AI in Accounting

FACULTY & STUDENT

NPTEL ACHIEVEMENTS

Even Semester 2024–25



STUDENT HIGHLIGHTS

- ELITE + GOLD: 29
- ELITE + SILVER: 169
- ELITE: 132
- Successfully Completed: 86



FACULTY HIGHLIGHTS

- ELITE + GOLD: 2
- ELITE + SILVER: 25
- ELITE: 40
- Successfully Completed: 17

Odd Semester 2025–26

- ELITE + GOLD: 40
- ELITE + SILVER: 259
- ELITE: 291
- Successfully Completed: 110

- ELITE + GOLD: 14
- ELITE + SILVER: 45
- ELITE: 51
- Successfully Completed: 16

TOTAL CERTIFICATIONS: 1326

COURSERA ACHIEVEMENTS

ODD Semester 2025–26



Department



Students Benefited



Courses Completed

• CSBS	09	50
• CSE	50	101
• CSE (AI & ML)	20	71
• DS	20	37
• ECE	40	116
• EEE	41	73
• IT	50	131
• MCA	20	37

No. of Students
Benefited: 250 – Courses
Completed: 616

IQAC Activities

Academic & Quality Initiatives – 2025

TCE strengthened its academic excellence and institutional quality through a series of strategic reviews, audits, and planning initiatives during 2025.



OBE Workshop in alignment with SAR new Format GAPC 4.0
23-24 May 2025



Life @ TCE July 2025



Academic and Administrative Audit
Aug 25, 2025

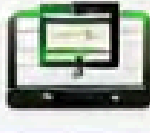
Prof. N. C. Shivaprakash, IISc Bangalore (Retd.)
Prof. T. K. Radharkrishnan, NIT Trichy



20th Internal Quality Assurance Cell Meeting
25-Oct-2025

Academic Recognitions

Key Achievements and Recognitions

	Vice President, Sustainability & Energy Practitioners Association (SEPA) Chairman, IAEMP – Coimbatore Chapter Executive Council Member – IE Coimbatore & Institute of Smart Structures & Systems Associate Member, CODISSIA, Coimbatore	Dr. L. Ashok Kumar	EEE
	Best Faculty Award – IE (I)	Dr. S. Padmavathy	IT
	Young Achiever Award – Institute of Researchers	Dr. S. Karthiga	CSBS
	IUCEE – IIECP Distinction Certificate	C. Selva Kumar S. Julius Fusic	Mecht
	Social Innovation Award – IIT Madras & Kria Chennai	Dr. D. Tamilselvi	IT
	Best Paper Award – CVPR Workshop	Dr.S. Mohamed Mansoor Roomi Dr.B. Sathya Bama	ECE
	ICI-Ultratech Award – Outstanding Doctoral Thesis Guide	Dr. S. Nagan	Civil
	President, ISHRAE	Dr. G. Kumaraguruparan	Mect
	Secretary, International Water Association	Dr. S. Chandran	Civil
	Bentley Qualified Trainer	Mr. B. Dinesh Kumar	Civil
	NPTEL Discipline Star ★ Mr. Gowtham Sethupathi M (CSBS) ★ K V Uma (IT), K R Premlatha (IT)		
	IUCEE Honorary Membership	Dr B Ashok Kumar (EEE), Dr D Kavitha (EEE) Dr. R.Leena Sri (CSE)	
	NVIDIA DLI University Ambassador	Dr S Sridevi (IT), Dr. K V Uma (IT) Dr.S.Pudumalar (IT)	



Faculty



Achievements

72



Recognitions

34

TCE Community



Academic Research – Faculty Strength



Faculty
302



Faculty with Ph.D.

199



Faculty Pursuing Ph.D.

86



Faculty Postdoc

17



STUDENT COMMUNITY

5677

UNDERGRADUATE (4,996)

(B.E / B.Tech / B.Arch / B.Des)



Boys

2,762



Girls

2,234

POSTGRADUATE (421)

(M.E / MCA / M.Arch / M.Sc)



Boys

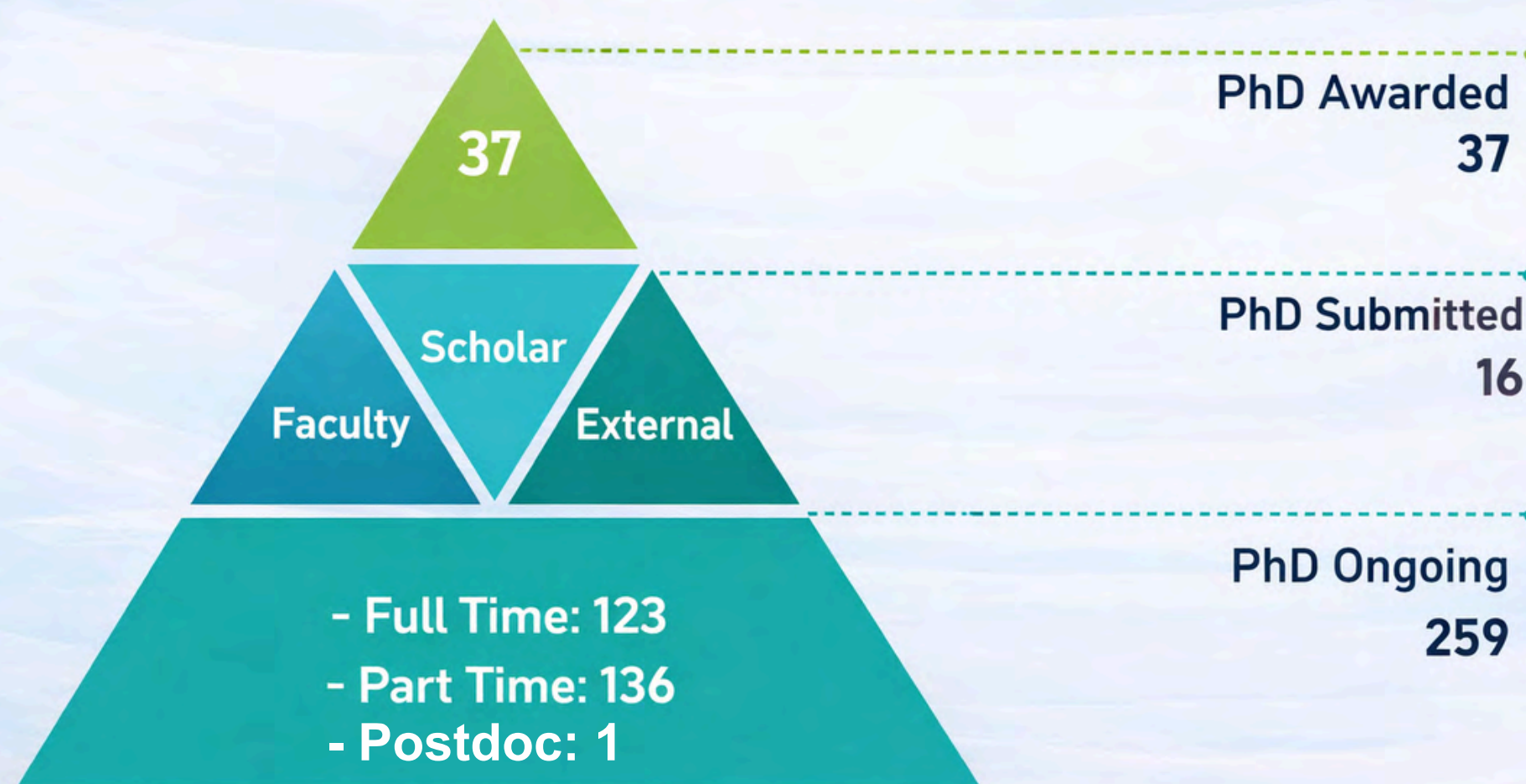
180



Girls

241

Academic Research – Ph.D. Scholars Details



Adjunct Faculty



Dr. Virendra Singh
Professor,
Department of Electrical Engineering,
IIT Bombay
Department: ECE



Dr. P. Sambath Narayanan
Consultant
Dataever Consulting, Chennai
Department: CSE



Dr. G. Ravichandran
General Manager (Rtd.)
Bharat Heavy Electricals Limited, Trichy
Department: MECHANICAL



Dr. A. Arockiarajan
Professor
Indian Institute of Technology Madras
Department: PHYSICS



Dr. S.J. Thiruvengadam
Adjunct Faculty, ECE
Vice Chancellor,
Presidency University, Bangalore



Dr. P. Balamurugan
Assistant Professor, Industrial Engineering and
Operations Research,
IIT Bombay
Department: CSE



Dr. Vimal Jeyaseelan
CEO, Hygge Mobility
Department: EEE



Dr. R. Arun Prasath
Assistant Professor
Department of Business Administration,
Thiagarajar College, Madurai
Department: CSBS



Dr. P. Premkumar
Senior Engineer
General Electric India private limited
Department: EEE



Dr. T. Karthik
Adjunct Faculty, EEE
Director,
Quantanics Techserv Pvt Ltd, Madurai



Dr. Koushik Guha
Adjunct Faculty, ECE
Professor,
NIT Silchar, Assam



Dr. Jeyanthi Rajesh
Adjunct Faculty, ECE
Director of System Integrated Group,
ISRO, Chennai



Dr. S. Manivannan
Adjunct Faculty, ECE
Principal Key Expert R&D, Siemens
Healthineers, Bangalore



Mr. N. Parameshwaran,
Adjunct Faculty, MECT
Senior EMC Consultant,
Stratec Corporation, WI, US



Dr. Narayanaprasath Pathy
Adjunct Faculty, Mechanical
Faculty of Engineering, Director,
Malaviya National Institute of Technology, Jaipur



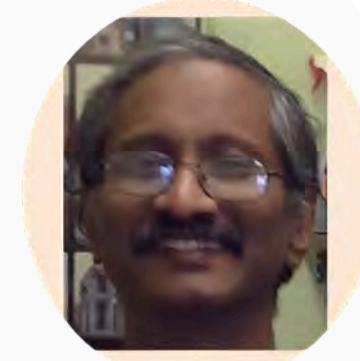
Dr. V. Senthilkumar
Adjunct Faculty, IT
Associate Professor,
IIT, Palakkad.



N G Karthikeyan
Adjunct Faculty, IT
Co Founder, TaxNodes



Dr. Raha Rajeswari
Adjunct Faculty, CSE
Associate Professor, Asia Pacific
University of Tech and innovation, Malaysia.



Dr. Nagarajan Narayanasamy,
Adjunct Faculty, Mechanical
Faculty of Engineering,
University of Alberta, Canada.



Dr. Deepa Muralidharan
Adjunct Faculty, CSBS
Faculty-Tenure Track
Georgia State University, USA

Centre for Continuing Education

Established: September 2024

Empowering Lifelong Learning, Skills, Innovation & Entrepreneurship

Vision

- Promote continuous learning, skill development, outreach, and industry–academia collaboration

What We Do

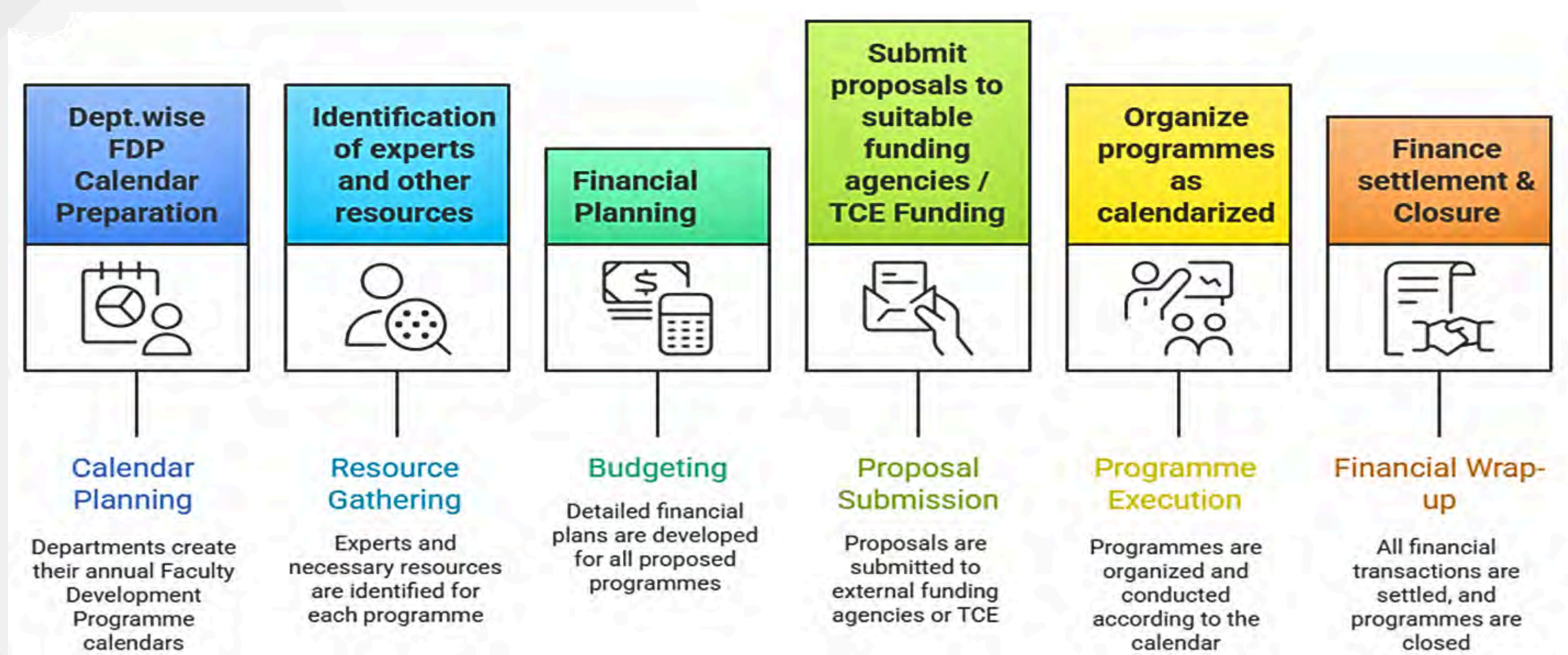
- Short-term certification courses
- Value-added & skill development programmes
- Summer internships
- Faculty Development Programmes (FDPs)
- Entrepreneurship development
- School & community outreach

Funding Agencies

- DST • UGC • AICTE • DRDO • ICSSR • TNSCST • CSIR

Our Impact

- 60+ programmes across departments
- Participants: Faculty, professionals, students & school learners



Key Focus Areas

Entrepreneurship Development

- Government of Tamil Nadu–sponsored TEDP
- Mentoring & funding guidance for startups

Faculty Development & Workshops

- Generative AI & Explainable AI
- Cyber Security & Big Data
- Electric Vehicles, Robotics & Pedagogical Innovation

Skill & Career Programmes

- AI & Machine Learning
- Robotics, AR/VR, Mobile App Development
- Energy & Sustainable Technologies
- PCB Design & RF Product Development
- Advanced Chemical & Instrumentation Techniques

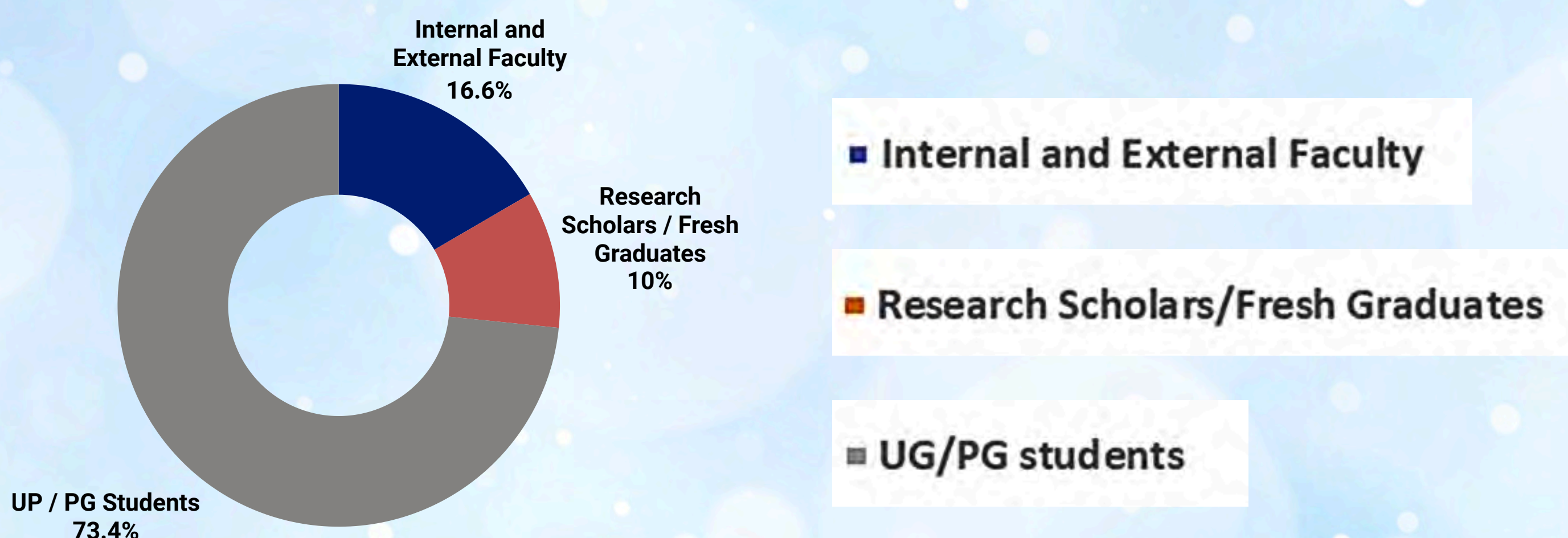
Outreach & Collaborations

- IEEE CIS “AI & Beyond” for school students
- Industry tools training (STAAD Pro, Physics Labs)
- INAE–AICTE Fellowship:
9 TCE faculty mentored by IIT professors

Centre for Continuing Education

- Total No. of FDPs/ Workshops/ Training Programmes/ conferences organized: 39
- Total No. of Beneficiaries: 2998

- Indian National Science Academy (INSA)
- DST Anusandhan National Research Foundation (ANRF)
- Tamil Nadu Council For Science And Technology (TNSC)
- Defense Research and Development Organization (DRDO)
- National Board for Higher Mathematics
- TamilNadu State Council for Science and Technology :
Dissemination of Innovative Technology (TANSCST-DIT)



Initiatives

- 40 FDPs, Workshops & Training programmes across departments.
- 75 Faculty completed Industry Certifications / Fellowships from HLI
- Interdisciplinary certifications through Skill Development Programmes and Value-added courses.
- Short-term certification courses and outreach for school students.
- Summer Internships & Skill Training for UG/PG students and professionals.
- Scale rural outreach and school engagement.
- 76 Expert Members from Other Higher Learning Institutions & Industries
- 20 Guest Lecturers delivered by TCE faculty at various HLIs/Industries

Centre for Continuing Education

■ One-Day Faculty Development Programme on “Leveraging AI for Smarter Classrooms”

- One-day Faculty Development Programme (FDP) on “Leveraging AI for Smarter Classrooms” organized by CCE on 12th December 2025
- Aimed at enhancing faculty competencies in emerging technologies and AI integration
- Focus on practical AI applications in lecture preparation, content creation, and academic planning
- Covers student engagement techniques and AI-supported assessment strategies
- Includes interactive sessions and hands-on training with AI tools
- Exposure to AI applications for both teaching and administrative tasks
- Emphasizes ethical use and responsible adoption of AI in education
- Enables faculty to create efficient, engaging, and technology-driven learning experiences



Career Development Centre (CDC)

Empowering Career Pathways

The Career Development Centre (CDC) of Thiagarajar College of Engineering plays a pivotal role in shaping industry-ready graduates through structured training, focused mentoring, and strong industry engagement.

The academic year 2024–25 witnessed excellent outcomes in campus placements, higher studies, and competitive examinations. We sincerely thank our recruiters, faculty mentors, and students for their collaborative efforts.

Infrastructure & Training Ecosystem

The Career Development Centre features corporate-standard infrastructure spanning 11,000 sq. ft., including interview cabins, group discussion rooms, a seminar hall, conference rooms, and student waiting areas.

Thiran Development Centre (TDC)

The Thiran Development Centre focuses on placement-oriented training, soft skills development, professional communication, and foreign language programmes to prepare students for global careers.

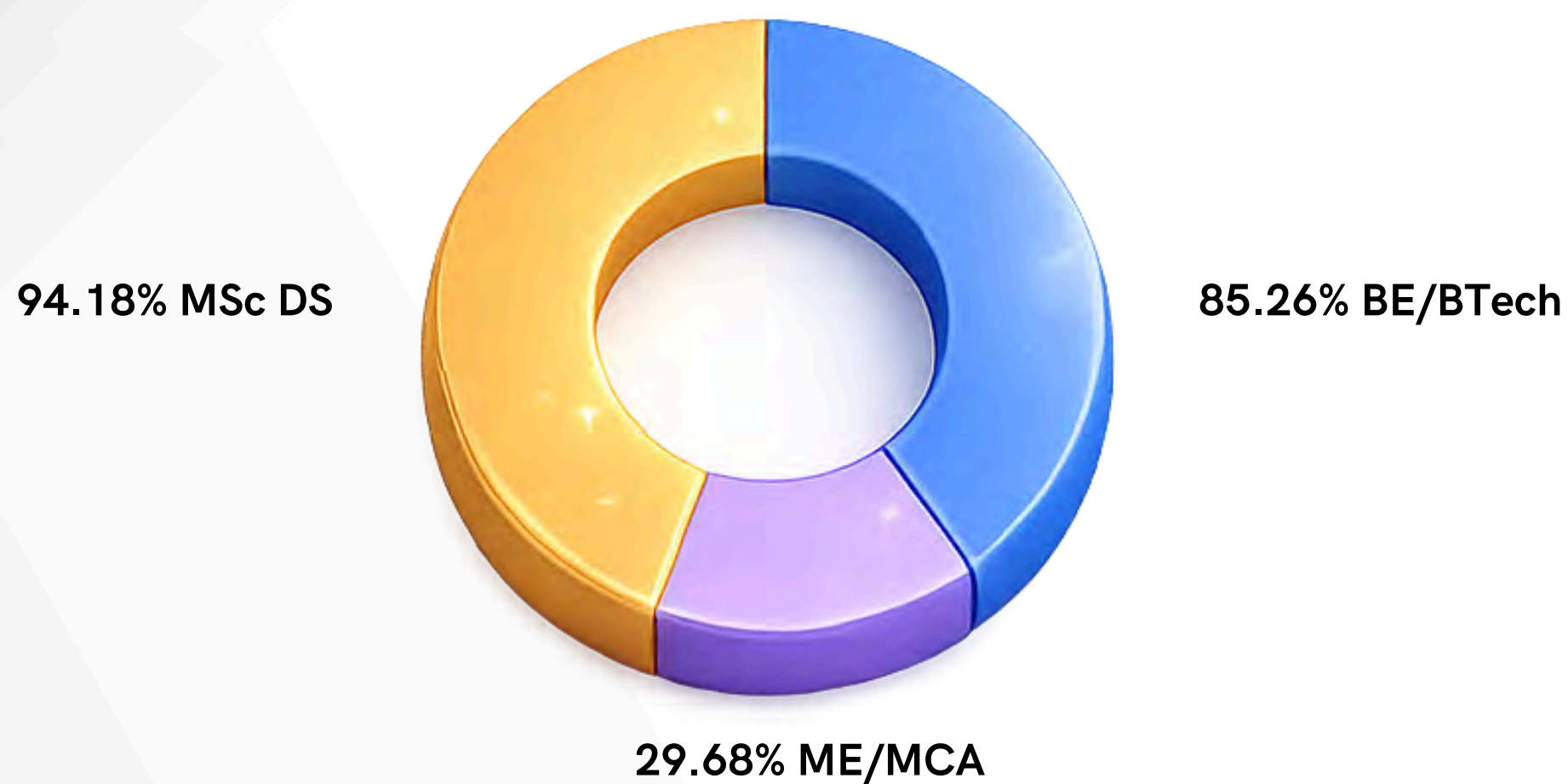


Top Recruiters



Career Development Centre (CDC)

% of Students Placed out of Eligible Students



Career Development Centre (CDC)

Higher Studies

Number of Students
43

- Jayanth Giftson R secured All India Rank 1 in GATE 2025 under the Architecture and Planning (AR) category!
- Civil Government Exams and Jobs
- TNPSC Combined Technical Service Examination 2023 & 2024 35 Students



THIRAN Development Centre

Communication Skills

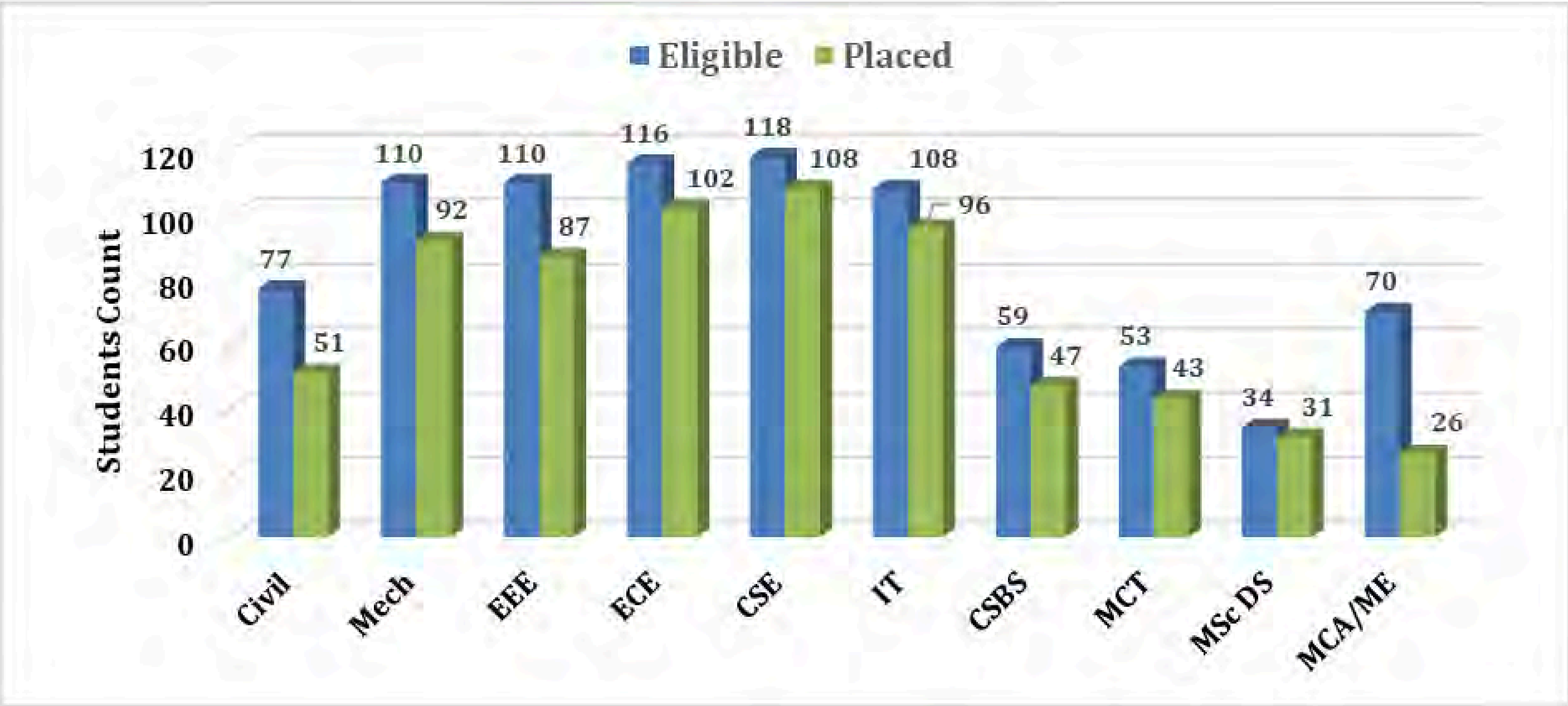
- English Language Lab, LinguaSkills & We Speak Programme
- German & Japanese Coaching

Soft Skills Development

- Leadership & Team Building (Alumni & Skill Power)
- Group Discussion Practice
- Aptitude Training
- 30 Hours In-house Training by External Agency
- Regular Online Practice Tests (FACE Platform)

Programming & Technical Training

- NeoCoLab for I & II Year Lab Courses
- Skill Rack Practice from First Year onwards
- Regular Online Tests – Skill Rack
- 300 Hours Practical Training (C, C++, Java, Python, SQL, Data Structures)



CDC - Global Academic Progression

- Graduates have secured admission to prestigious institutions in India and abroad for diverse postgraduate programmes, reflecting the institution's strong academic foundation and global outlook.
- Students pursued advanced degrees such as MS and MTech in fields including Computer Science, Artificial Intelligence, Digital Architecture, Electrical Engineering, and Construction Management.
- Admissions were obtained at leading universities and institutes, including:
 - University of California (Santa Cruz, Long Beach)
 - IISc Bangalore
 - IIT Madras
 - IIT Kharagpur
 - Lund University, Sweden
 - Other reputed international and national institutions.
- In addition to technical programmes, several graduates opted for management and business education, enrolling in MBA and PGDM programmes at renowned institutions such as:
 - IIM Trichy
 - Great Lakes Institute of Management
 - CHRIST University
- These admissions represent a broad spectrum of higher studies across engineering, technology, architecture, and management disciplines worldwide.
- Complementing these achievements, 57 students qualified national-level competitive examinations, demonstrating strong academic preparation and institutional support.
- Among them:
 - 54 students qualified GATE, enabling opportunities for advanced engineering studies and research.
 - 13 students cleared international qualifying examinations, including IELTS, GRE, TOEFL, and PTE, facilitating admissions to global universities.
 - These accomplishments collectively highlight the institution's robust higher-studies ecosystem, strong academic mentoring, and commitment to preparing students for global academic and professional opportunities.



R&D Excellence

Student Research Council



A Significant Milestone in TCE's R&D Journey!

We are proud to announce the release of the **Thiagarajar Journal of Engineering, Science, Design and Technology (TJESDT)** on May 16, 2025, during RC 2025!

Read now:
<https://tjesdt.tce.edu>

Published by:
Thiagarajar College of Engineering, Madurai

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THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI
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<https://tjesdt.tce.edu>

R&D Initiatives

- Thiagarajar Journal of Engineering, Science, Design and Technology
- Research Seminar Series
- Student Research Council Formulation
- Financial assistance scheme for students' publications
- RESEARCH Conclave
- Best Faculty Award for Institute-Industry Collaboration
- Research Faculty Recruitment
- MeitY PhD Visvesvaraya Scheme: Amount Sanctioned: Rs. 75 Lakhs; 2 FT and 1 PT Scholars

I-STEM Facility Integration

- Registered on I-STEM Portal to share research facilities with academia & industry
- 101 equipment listed from Science, Engineering & Architecture departments
- Equipment also integrated with TNPRF and CII Madurai OpenLab Portal
- Enhances resource accessibility, collaboration & utilization

Research Seminar Series – Bimonthly

- 28 Talks conducted so far

TCE Seed Money Scheme (SMS)

Sanctioned Projects: 27	Sanctioned Amount: ₹ 10,000,00/- (Ten Lakhs Only)
TOTAL RESEARCH OUTPUT: 25 Conference Papers 17 Journal Papers 42 Total Publications - Strong research output across projects	INNOVATION METRICS: 3 Patent applications in progress 2 Patents currently published 4 Functional prototypes created 11% of projects produced prototypes

Research Faculty - Outcome



Academic Research – Quality Publications

Scopus
170
Total Publications – 4953
Citations – 66066
h-index Overall – 110

WoS
115
Total Publications – 1783
Citations – 38929
h-index Overall – 89

*2025

Faculty Award

Year of Award
2025

Number of Beneficiaries
188

Publications of TRF Scholars:

Thiagarajar Research Fellowship (TRF)



Thiagarajar Research Fellowship (TRF)
Rs.25,000/- per month



Year 2025 :
Rs.1,28,41,820

90+ Papers
in Scopus Indexed Conferences

65+ Publications
in High-Impact Journals
(Q1 / Q2 / Q3)

Total Research Funding
₹3.14 Crores

Ph.D. Completed:
15 Scholars



FACULTY AWARD CEREMONY – 2025

October 16, 2025 | 2:15 PM Onwards KS Auditorium TCE

Chief Guest

Dr. M. Kanthababu

Director
Centre For Research
Anna University
Chennai



TCE proudly congratulates the project team for the sanction of the project titled

Digicell in Sight: A Data Driven Framework for Comparative Analysis, Predictive Modeling, and Life cycle Health estimation of Multi Chemistry, Multi Brand Li-Ion Cells

Principal Investigator: Dr. L. Ashok Kumar, Principal

Co-Principal Investigator: Dr. Raghunath, Professor of Practice, IIT Tirupati



Industry Partner



Dr Ajeet Babu

Founder

M/s. Gudlyf Mobility Private Limited
Madurai

Project Value:
₹27 Lakhs (URP Grant)

Under MeitY-MHI Joint Call for Proposal (CFP) on Development of Electric Vehicle Sub-Systems (EVSS)

Project Title

State-of-the-Art Indigenous Development of Battery Systems, and Telematics for Next-Generation Electric Vehicles

Industry partners

- Pinnacle Lithium Power, Coimbatore
- E-Royce Motors India Pvt. Ltd., Coimbatore
- Tata Elxsi Limited, Bangalore



Lead Chief Investigator

Dr. L. Ashok Kumar

Principal, TCE

Research Collaboration

Thiagarajar College of Engineering (TCE), Madurai (Implementing Institution)
NIT Calicut, Kerala (Collaborating Institution)

Sanctioned Amount

₹3.46 Crore
Project Duration: 3 Years



Chief Investigator

Dr. S. Charles Raja

Professor, Dept. of EEE, TCE



Chief Investigator

Dr. P. S. Manoharan

Professor, Dept. of EEE, TCE

TCE Entrusted by TNPCB to Prepare DPR for the Climate Smart Market Initiative at Mattuthavani Vegetable and Fruit Market, Madurai, to make it Carbon Neutral and Environmentally Sustainable

The ₹49.15 lakh project will be executed by a multidisciplinary expert team:

Chief-Coordinator	Coordinators		
 Dr. L. Ashok Kumar Principal Waste Management & Energy Assessment	 Dr. S. Anul Mary Professor & Head, Civil Engg. Building Structure & Engineering	 Dr. S. Chandran Professor, Civil Engg. Storm Water Management & RWI	 Dr. J. Jinu Louisidha Kitchley Professor & Head, T-SEDA Urban Planning
 Dr. P. S. Manoharan Professor, EEE Energy Assessment	 Dr. A. Ramalinga Chandra Sekar Assistant Professor, Chemistry Solid Waste Management & Social Survey	 Dr. V. Ravi Sankar Associate Professor, Civil Engg. Waste Water & Carbon Footprint	 Dr. RKC Jeyakumar Assistant Professor, Civil Engg. Air & Noise Pollution

Funded Project



21

Ongoing Funded
Research Projects

39

Dedicated
Faculty Researchers

6

Projects Advanced to
Presentation Level



Number of Projects applied
during the last 1.5 Years:

253



MINISTRY OF
ELECTRONICS &
INFORMATION TECHNOLOGY
GOVERNMENT OF INDIA



DEPARTMENT OF
SCIENCE & TECHNOLOGY



Anusandhan
National
Research
Foundation

DESINES'25 – Conference Highlight

- International Conference on Digitally Empowered Sustainable Industrial and Energy Systems (DESINES'25)
-  05–06 December 2025 | Organized by Dept. of Mechanical & Mechatronics Engineering
-  Publication Partners: IE(I) Journal Series A–E, Transtech Publications & CRC Press
-  98 Articles Accepted



SCOPE 2025 – Conference Highlight

- IEEE International Conference on Sustainable Computing and Optimized Practices for Excellence (SCOPE 2025)
-  18–20 December 2025 |  Organized by Departments of CSE, IT, CSBS, AMCS & CA
-  559 Papers Received |  123 Papers Accepted



First National Research Conclave Highlights

At a Glance	Publication Details	Internal	External
 - Papers Received - 209 - Reviewers - 131  110 - Internal 21 - External	Springer Book Series TJESDT (TCE Journal) Conclave Proceedings (TCE Publications)	26 12 76	15 02 08
KEYNOTE SESSIONS – 11 INSPIRING TALKS From Experts at:	Total	114	25
 Amazon, Chennai  KPMG, USA  ELGI, Coimbatore  CSIR, Chennai  Titan, Bangalore  TVS, Madurai  Qualcomm, Bangalore  Bosch, Coimbatore  Cognizant, Coimbatore  Aravind Eye Care Systems, Madurai  TaxNodes, Bangalore	ICT Academy Journals (Extended Versions)	20	05
	 Paper Presentation Sessions: 21 Across Emerging Research/Sustainable Innovations		
			
	Total Cash Prize for Best Presenter Awards: ₹42,000/-		

Keynote Speakers of the the First National Research Conclave 2025



Mr. K. Sridhar

Director,
Retail Business services,
Amazon, Chennai



Dr. Suresh Rajappa

Global Data Leader
Enterprise Systems
Digital Transformation &
Data Strategy, KPMG, USA



Ms. Harshitha Phaniraj

Security Operations Center &
Brand Monitoring,
Titan Company, Integrity Office,
Bangalore



Mr. N. G. Karthikeyan

Co-founder & Chief Technology
Officer (CTO) of TaxNodes,
Bangalore



Dr. Y. Uma Maheswari

Senior Associate,
Cognizant Technology
Solutions, Coimbatore.



Dr. Anandavalli

Director,
CSIR- Structural Engineering
Research Centre, Chennai



Dr. B. Somasundaram

Head - Digital Transformation,
ELGI Equipments Limited,
Coimbatore



Dr. M. Rajesh Pandian

Senior Engineer, Qualcomm,
Chennai



Mr. P. Bhagavathy

Senior Engineer,
Bosch Global Software
Technologies, Coimbatore



Dr. M.S. Sabitha

Head,
Information systems, TVS
Sensing Solutions Private Limited,
Madurai



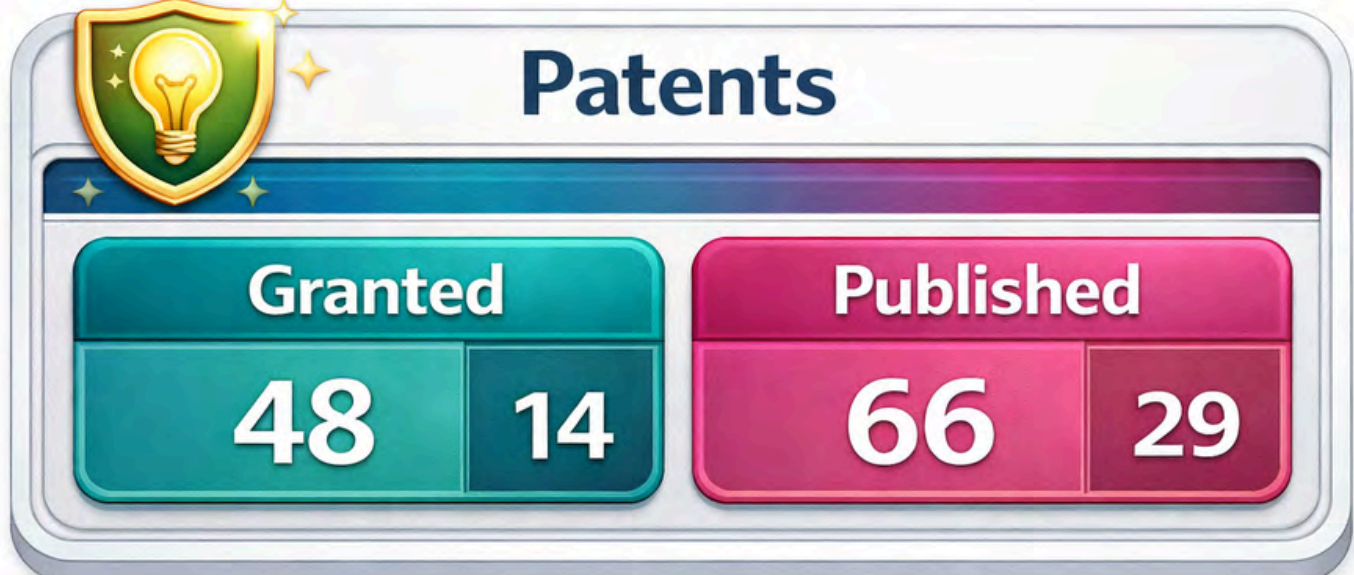
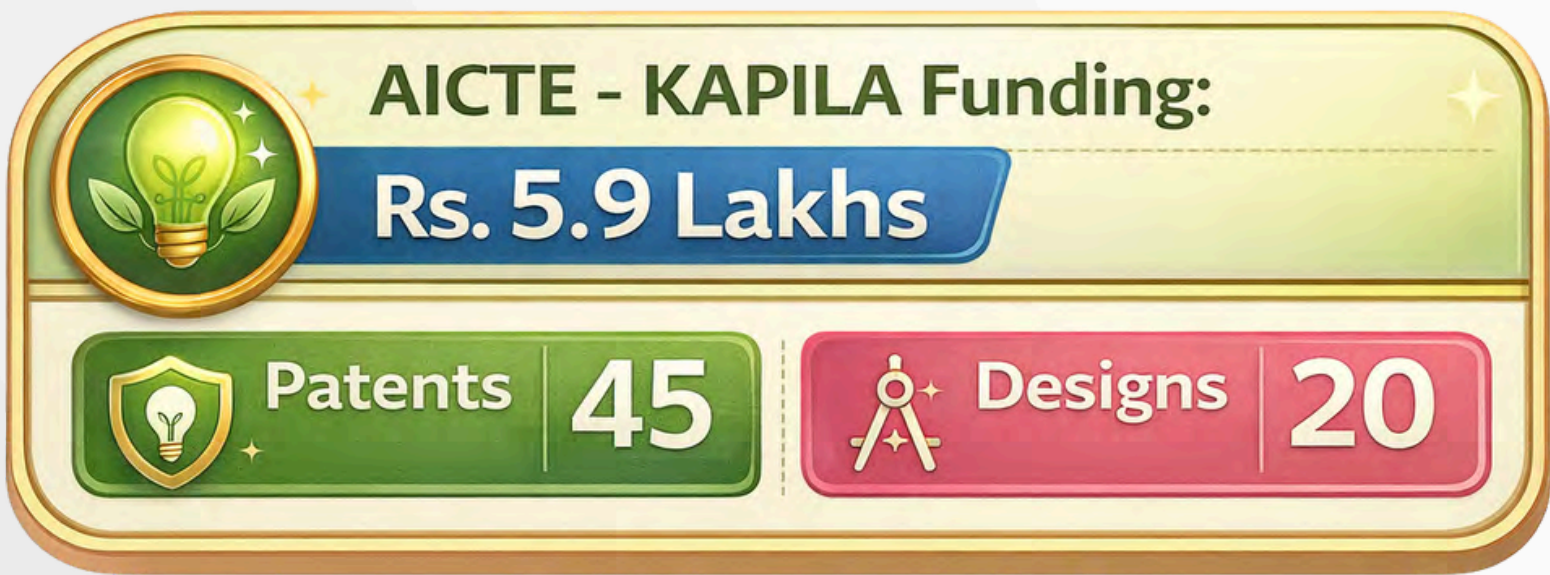
Mr. Srinivasulu Thayam

Chief Technology Officer (CTO),
Aravind Eye Care System, Madurai

SDG contributions by TCE



Intellectual Property Rights Cell



 Amount	 Company / Organization
Rs. 40 L	 Shira Carbonite Pvt.Ltd., Coimbatore
USD 150,000	 MOES, Kinshasa, Africa

Activities

- TCE Innovation Summit – A National-Level Innovation Challenge
- Patent Drafting Workshop – Two-Day Hands-on Training Program
- Inauguration of the IP Innovators Club
- Faculty Development Program (FDP) on Design Thinking Projects to Patents
- Scholars Initiative: Converting Research Outcomes into Patents

Centres of Excellences

- **26 CoEs in Focussed Areas**
- Key Activities - Industry Supported Courses, Workshops, Student Internships, Training, Skill Development Program, Certificate Courses, Summer/Winter Internship Program

TS Srinivasan Centre of Automotive Research (TSSCAR)	Est. 2019	Centre of Excellence in Visionary Learning Community of India	Est. 2017
Centre of Excellence in Robotics	Est. 2019	Centre of Excellence in Electronic Product Testing (CEEPT)	Est. 2005
Centre of Excellence in Environmental Awareness & Education	Est. 2018	Centre of Excellence in Sustainability Management	Est. 2025
Centre of Excellence in Hydrogen Energy Research	Est. 2025	Centre of Excellence in Materials Research & Energy Solutions	Est. 2025
Centre of Excellence in Civil Infrastructure – BIM	Est. 2025	Centre of Excellence in Civil Infrastructure – MIDAS	Est. 2025
Centre of Excellence in Information Management Systems	Est. 2021	Centre of Excellence in Amazon Web Services	Est. 2024
Centre of Excellence in Multidisciplinary Tamil and AI Research for Innovation		Est. 2024	
Centre of Excellence in Tamil Virtual Academy	Est. 2019	Centre of Excellence in E-Learning Content	Est. 2011
Centre of Excellence in Electronic System Design & Manufacturing	Est. 2024	Centre of Excellence in Foreign Language	Est. 2014
Centre of Excellence in British Council	Est. 2025	Cambridge University Press & Assessment – Linguaskill Centre	Est. 2025
Centre of Excellence for Youth Empowerment	Est. 2025	Centre of Excellence in Electronic Design and Automation (EDA) Tools	Est. 2025
Centre of Excellence in Generative AI	Est. 2025	Thiagarajar Centre of Excellence in Sustainable Planning, Architecture, Community and Environmental Design (T'SPACED)	Est. 2025
Bajaj Engineering Skills Training (BEST) Centre	Est. 2025	Center of Excellence in AR/VR	Est. 2025
Fuji Electric Centre of Excellence - Innovation Hub for Automation and Drives		Est. 2025	

Centres of Excellences

Key Activities – 58 Events

01	Industry Supported Courses – 12	NEW
02	FDP – 06	
03	Students Internships / Training – 13	
04	Certificate Courses – 03	
05	Skill Development Program – 02	
06	Summer / Winter Internship Programme – 03	
07	Workshop / Seminar / Hackathons – 13	
08	Exhibition / Awareness – 02	
09	Value Added Course – 01	
10	Consultancy – 03	



Centre of Excellence in Hydrogen Energy Research



Centre of Excellence in Robotics



Centre of Excellence in Material Research and Energy Solutions

Bajaj Engineering Skills Training (BEST) Centre

- Dedicated permanent infrastructure of nearly 1,00,000 sq.ft.
- TCE is contributing the infrastructure and building facilities of around Rs 20 crore and Bajaj is providing advanced equipment worth around Rs 40 crore.
- Around 5,000 students will get benefitted annually
- Six verticals have been identified under this partnership:
 - Vertical 1 (V1): Advanced Manufacturing – Robotics & Automation
 - Vertical 2 (V2): Advanced Manufacturing – Industry 4.0 & IIoT
 - Vertical 3 (V3): Electronic Manufacturing Systems
 - Vertical 4 (V4): Firmware Development
 - Vertical 5 (V5): Electronic Reliability
 - Vertical 6 (V6): E-Mobility



Key Features: Ground + 4 floors, ~1 lakh sq ft, 20 and odd labs, Dormitories

Cost: 2000 Lakhs

TCE Partners with Bajaj Auto to Establish BEST Centre

MOU SIGNING
OCTOBER 6, 2025



@
TCE
MADURAI

Thiagarajar College of Engineering, Madurai partners with **Bajaj Auto Ltd.** to launch the **Bajaj Engineering Skills Training (BEST) Centre**, a hub for **advanced skill development** and **industry-ready training**.

BEST Courses Offered

VERTICAL 1 (MECHANICAL & MECHATRONICS)	VERTICAL 3 (ECE)
Modules & Courses	Modules & Courses
1 Module 1 - Electrical Engineering & Drawing - Industrial Hydraulics & Pneumatics - Total Productive Maintenance	1 Module 1 - CAD for Circuit & PCB Design - Multilayer PCB Design & Signal Integrity - Electronic Measurements & Safety
2 Module 2 - Computer Aided Manufacturing - Process Control & Instrumentation - Servo Motor & Drive	2 Module 2 - SMT Assembly Process - Assembly Operations & Quality Control
3 Module 3 - Automation - Robotic Technology - Project Work	3 Module 3 - Electronic Product Compliance - EMI/EMC & Testing - Project
DEPARTMENTS Mechatronics, Mechanical Engineering	DEPARTMENT Electronics & Communication Eng
STATUS Module 1 in progress (II Year – IV Semester)	STATUS Module 1 in progress (II Year – IV Semester)
STUDENTS Mechatronics – 66 Mechanical – 135	STUDENTS 201

Industry Institute Interface (III)

- Thiagarajar College of Engineering establishes MoUs with leading national and international industries
- Creates strong collaborative platforms for student and faculty development
- Provides students with access to quality internships and industry-oriented projects
- Enhances placement opportunities through industry engagement
- Supports faculty in joint research, consultancy, and knowledge exchange
- Strengthens global exposure and academic–industry collaboration
- Ensures alignment with evolving industry trends and practices



Consultancy and Testing



Total Number of Consultancy –

325



Revenue Generated – **Rs. 1,18,35,012/-**

Industries Interfaced MoUs

Category	Count
Industry - National Level	19
Industry - International Level	05
Academia	04

Industry Advisory Board

- Industry Advisory Board (IAB) serves as a strategic platform connecting academia and industry
- Provides expert guidance on curriculum design, emerging technologies, and industry-relevant skills
- Supports industry-integrated learning through courses, internships, and guest lectures
- Facilitates consultancy and collaborative research with industry partners
- Enhances student employability through continuous industry interaction
- Strengthens faculty exposure to real-world practices and innovations
- Ensures academic programs remain relevant, innovative, and aligned with evolving industry needs



Industry Supported Course

- Thiagarajar College of Engineering offers one/two credit courses delivered by industry experts
- Courses focus on real-world technologies, tools, and industry practices
- Provides hands-on learning and practical exposure for students
- Ensures strong alignment with current industry requirements
- Enhances student readiness for professional careers
- Contributes to improved placement opportunities



TCE-ED Cell: Major Milestones

- 25 Events successfully organized
- **Tamil Nadu Niral Thiruvizha**
 - 28 finalists participated
 - 11 teams won ₹10,000 each
 - 3 student startups launched (2026)
 - 2 faculty startups initiated (2026)
- **EnVision Program – IIT Madras**
 - 13 students participated
 - Focus: Net-Zero Energy Transition in India
- **Demo Day Participation**
 - 215 students engaged in TCE E-Cell Demo Day



TCE–Technology Business Incubator (TBI)



Start Here
Scale Anywhere

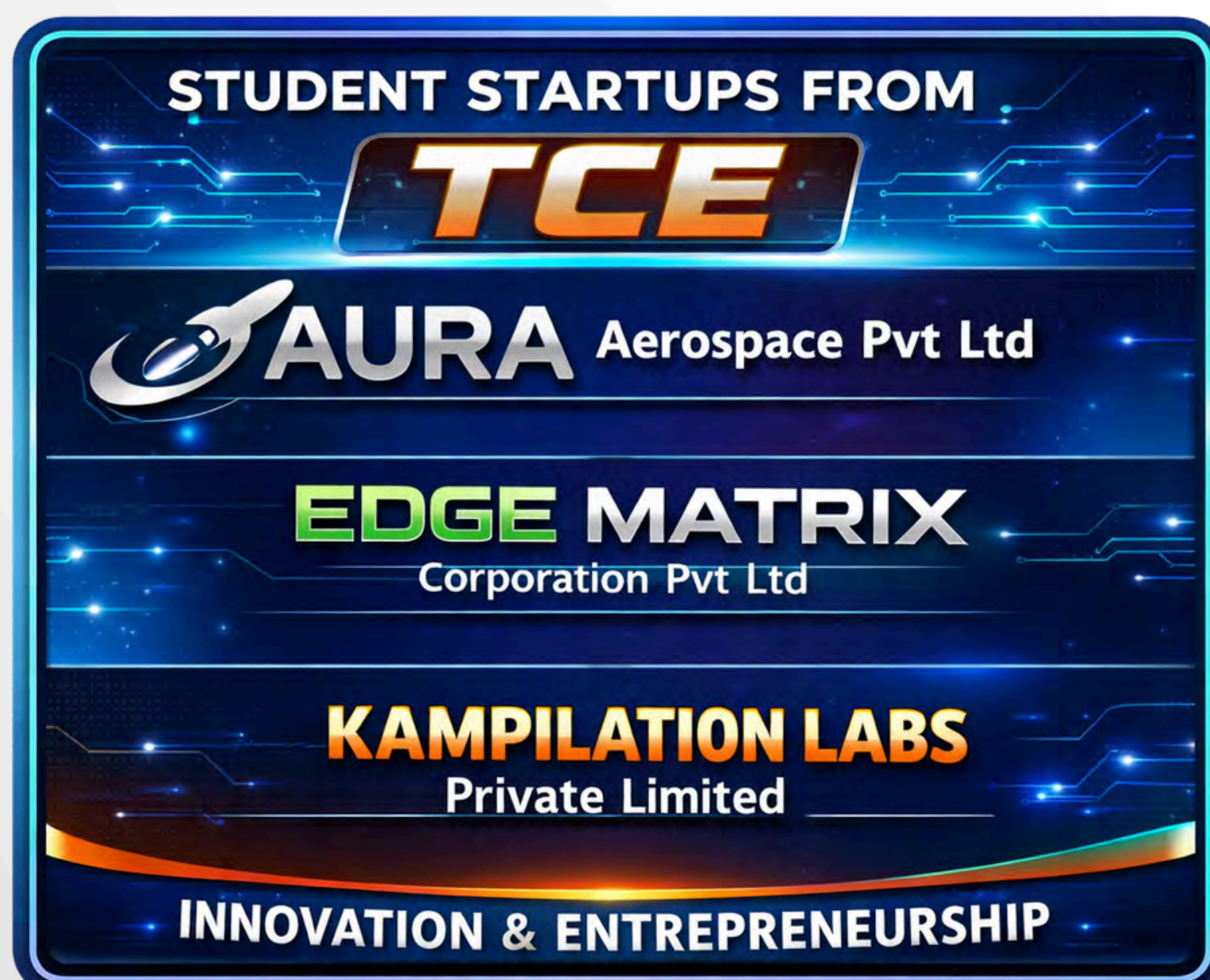
Vision:

To be a leading innovation hub that transforms research, talent, and ideas into globally impactful ventures.

Mission:

To transform faculty and student innovations into impactful startups by fostering research-led, IP-driven entrepreneurship. We help you grow through co-innovation, deep-tech acceleration, and strategic ecosystem partnerships.

Current Incubates



TCE- Institution's Innovation Council - IC 202218938



TCE- Institution's Innovation Council - IC 202218938

- Promotes a strong culture of innovation and entrepreneurship among students and faculty
- TCE showcased its IIC best practices at the AICTE South Regional Meet 2025
- Received the Best Practice Award for impactful innovation initiatives
- Recognized for fostering creativity, problem-solving, and startup development
- Strengthens a vibrant innovation ecosystem within the institution
- Reflects TCE's commitment to nurturing future innovators and entrepreneurs

Innovation Outreach & Engagement

- **TCE Innovation Ambassadors: 17**
- **School Adoption for Atal Tinkering Labs: 3**
 - Corporation Higher Secondary School, Madurai
 - Thiagarajar Mills Higher Secondary School, Madurai
 - St. Michael Matriculation Higher Secondary School, Madurai

TCE – YUKTI (National Innovation Repository)

- Initiative by the Ministry of Education (MoE) and AICTE
- Supported by the Ministry of Education Innovation Cell (MIC)
- Serves as a national platform to showcase innovative ideas and projects
- Promotes student innovation, research, and startup culture

TCE-IIC: List of Activities

- Entrepreneurship & Innovation awareness workshops
- Sharing success stories and expert interactions
- Boot camps and exposure visits to pre-incubation units
- Participation in hackathons and innovation competitions
- Organizing expos, demo days, and idea pitching events
- Active participation in IIC Regional Meets

Celebrations & Observances

- Institution's Innovation Day
- National Entrepreneurship Day
- National Education Day
- National Pollution Control Day
- National Energy Conservation Day (India)
- National Youth Day
- National Startup Day
- National Science Day



TCE- Institution's Innovation Council - IC 202218938



**INDUSTRY INSTITUTE INTERFACE —
INDUSTRY HACKATHON**
— conducted at TCE Campus —

HTS — TCE — TECHPUPA PROGRAM

Aug 12, 2025 to Oct 6, 2025 — No. of students:10

Number of faculty mentors: **03** —
Award Function — 07.11.2025

**24 HOURS
HONEYWELL HACKATHON**

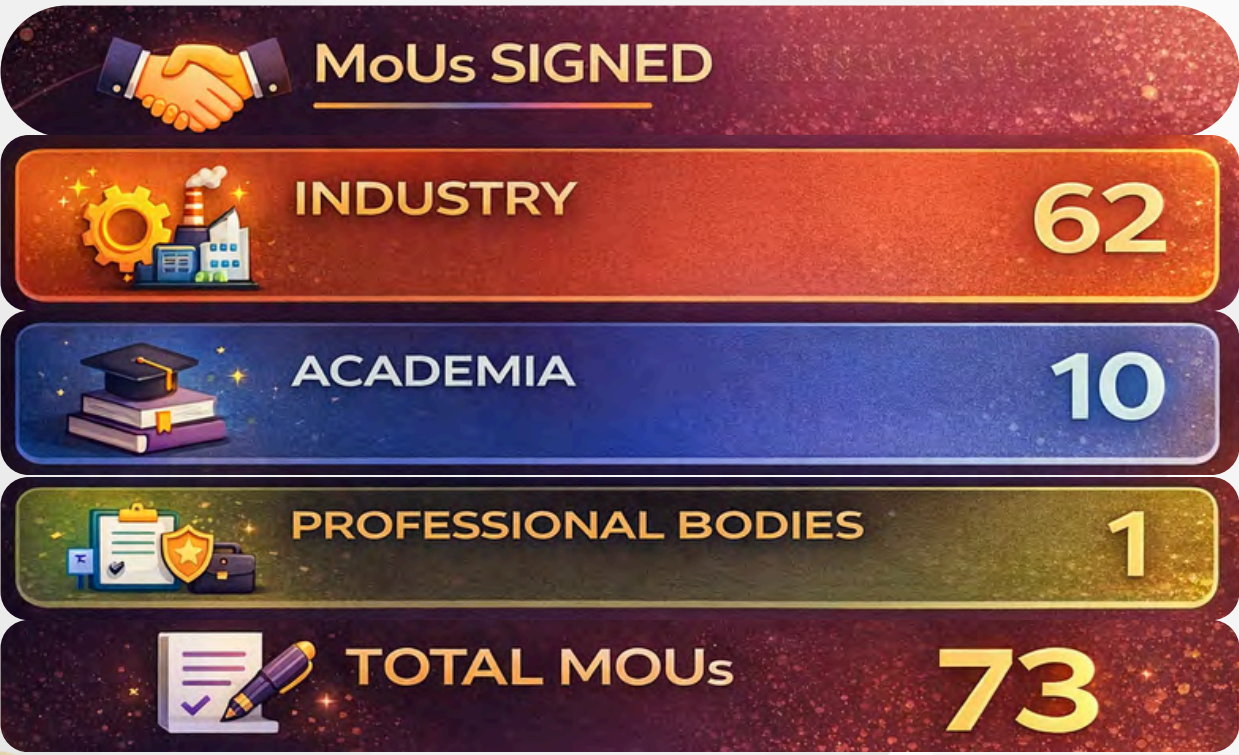
Held from 4.00PM of March 7 to 4.00PM of March 8.

70 students from all departments had participated

Prize Money
Rs.75,000, Rs.50,000, Rs.25,000
awarded on 26th of March

Institution's Innovation Council

MoU Details



Professional Societies

**29 Professional Clubs
with 59 Activities**

The Indian Institute of Architects (IIA)	Institute of Electrical and Electronics Engineer - IEEE
Association of Consulting Civil Engineers (INDIA) (ACCE)	Institute of Electrical and Electronics Engineers (Antennas and Propagation Society) (IEEE AP-S)
Builders' Association Of India - BAI	Institute of Electrical and Electronics Engineers (Circuits and Systems Society) (IEEE CAS)
Indian Green Building Council - IGBC-CII	Institute of Electrical and Electronics Engineers (Communications Society) (IEEE ComSoc)
Institute of Electrical and Electronics Engineer - IEEE	Institute of Electrical and Electronics Engineers (Microwave Theory and Techniques Society) (IEEE MTT-S)
Institution of Engineers – IEI	Institute of Electrical and Electronics Engineers (Signal Processing Society) (IEEE SPS)
Computer Society of India - CSI	Institution of Engineers – IEI
Analytics Society of India	Institution of Electronics and Telecommunication Engineers – IETE
Young Indians - Yi	Institution of Engineers - IEI
Institute of Electrical and Electronics Engineer – IEEE (CIS)	Institute of Electrical and Electronics Engineers (Power & Energy) (IEEE PES)
Association of Data Scientists - ADASCI	Indian Association of Energy Management Professionals - IAEMP
Association of Computing Machinery - ACM	Indian Association of Energy Management Professionals - IAEMP
Institution of Engineers - IEI	Indian Society of Heating, Refrigeration and Air conditioning Engineers - ISHRAE
Society of Automotive Engineers - SAE	Robotics Society of India - RSI
Indian Society of Heating, Refrigeration and Air conditioning Engineers - ISHRAE	Society for Advancement of Library and Information Science (SALIS)



Student Induction Programme (SIP) 2025

- Conducted as per AICTE guidelines to support first-year students' transition into college life
- Focused on value education, wellness, innovation exposure, and creative engagement
- Aimed at ensuring smooth academic and personal adaptation

- Inaugural Chief Guest: Ms. Vidhya Prabu
- Valedictory Chief Guest: Dr. Gnanasambandham

🌟 Key Highlights

🏛️ Leadership & Inspiration

- Inauguration by Chairman & Principal
- Industry addresses by HR leaders and corporate experts
- Career Guidance by Mr. J.P. Gandhi

💡 Academic & Innovation Exposure

- World Engineering through Mathematics
- TRIZ – Creative Problem Solving
- Science for Engineers – Inspire & Innovate
- AI & Beyond – Computational Intelligence
- Department Orientation & Academic Process Familiarization

🧠 Value & Mindset Development

- Universal Human Values (UHV) – Value-based living & ethics
- Mindset Mastery – Confidence & clarity building
- Scholarship Guidance & TBI (Entrepreneurship Awareness)

🏥 Health, Wellness & Physical Activities

- Yoga (Art of Living)
- Tele-Counselling & Mental Health Awareness
- Walkathon & Sapling Plantation
- Women Empowerment & Gender Equality Session

🌍 Social Responsibility & Awareness

- Anti-Drug, Anti-Ragging & Cyber Crime Awareness
- Waste Management – Thooimai Mission
- NSS / NCC / YRC / Rotaract & Sports Orientation
- Anti-Drug Rally

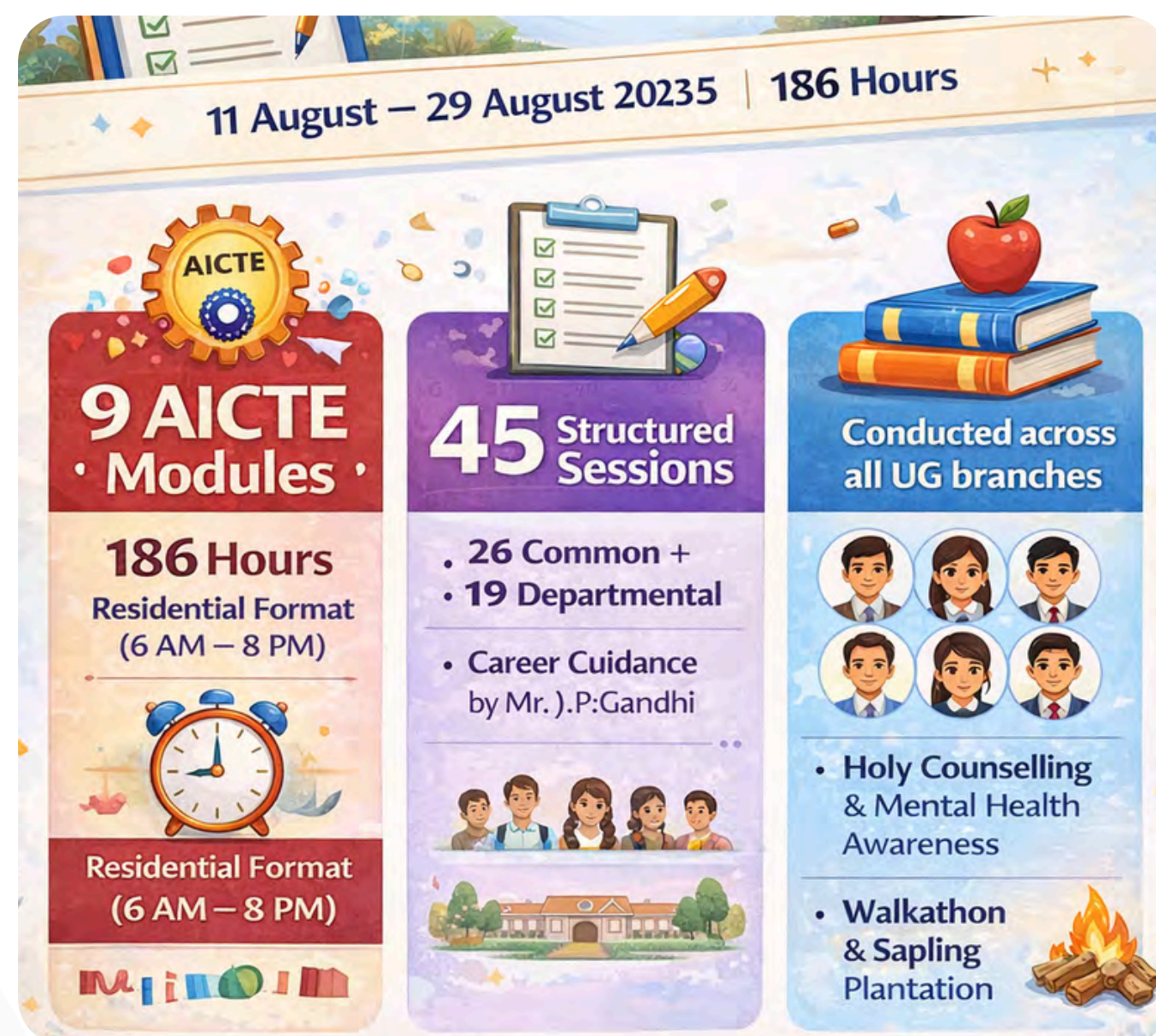
🧘 International Yoga Day 2025 – Student Performance

- Student performance at Open Air Auditorium
- Demonstration of Dhanurasana (Bow Pose)
- Session guided by Instructor Saravanan
- Promoted wellness, discipline, and mindfulness

📊 Student Impact

- Enhanced awareness of academic structure & campus systems
- Strong exposure to ethics, innovation & interdisciplinary thinking
- Encouraged wellness, creativity & social responsibility
- High student engagement with constructive feedback for improvement

🎯 Programme Framework



🎨 Creativity & Campus Integration

- Creative Arts & Ice-Breaking Sessions
- Club Registration (Technical, Cultural & Service Clubs)
- Library Orientation & Diagnostic Tests (English & Mathematics)
- Explore TCE – Campus Orientation

Outcome

SIP 2025 successfully fostered confidence, belongingness, ethical awareness, and academic preparedness, aligning with NEP 2020 and AICTE's holistic education framework.



FSSC & Anti-Drug Initiatives

Faculty Club

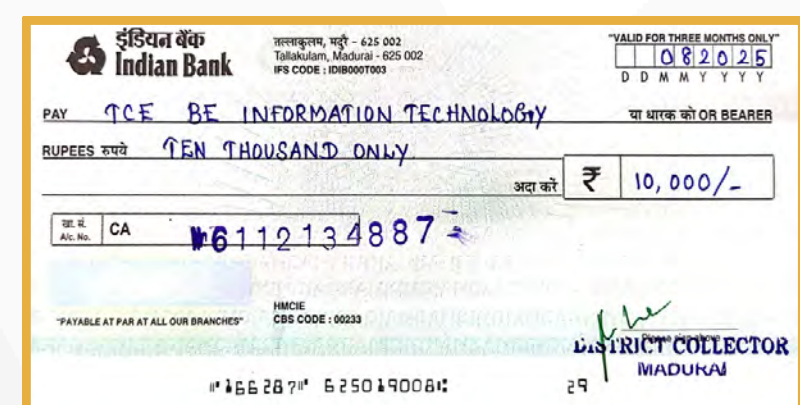
- Comprehensive Health Check ups in collaborations with Apollo Hospital
- Free Eye-Check up Camp for Faculty and Staff
- Foot Health Screening & Awareness program in collaboration with CSIR-CLRI
- Cultura Nova (Faculty and Staff Cultural Connect), Voice of TCE (Singing Competition)
- Financial Wellbeing Programs
- Faculty/Staff Sports Tournaments

Shrishti – Cultural Club – Student Strength -720 (Avg.), Clubs (No. of Activities per year)

Tamil (3)	English(2)	Qizzards(2)
Music (5)	Drama(3)	Dance (5)
Visual arts(3)	Photography(4)	Painting (3)

S.No	Name of the Program	No. of Beneficiaries
1	Yoga (Art of Living) Conducted by Art of Living Foundation	1310
2	How to focus and concentrate by Chellamuthu Trust, Madurai	60
3	Gender Equality Session- SIP for First Year	1310
4	Mental Health session	250
5	Cyber Crime Session	500

TCE ANTI-DRUG COMMITTEE



Secured Second Place in Madurai District Level Anti-Drug Activity Competition Organized by the District Administration, Madurai

11.08.2025 American College, Madurai | Certificate of Appreciation | Cash Prize: ₹10,000/-

Women Empowerment & Development Cell (WEC/WDC)

Annual Highlights

The Women Empowerment Cell (WEC) and Women Development Cell (WDC), TCE, organized impactful awareness programmes, leadership talks, and social initiatives focused on gender equity, safety, and empowerment throughout the year.

🌸 Women's Day Celebration

Chief Guests:

- Mrs. Visalakshi Kannan, Director, Thiagarajar Mills
- Mrs. Aruna M. Visvessvar, Senior Principal, Adhyapana School

👥 Beneficiaries: Women staff, students, non-teaching staff & Ph.D. scholars

A full-day celebration recognizing women's leadership and achievements.

🚓 Launch of Police Akka Scheme

Chief Guest: Dr. J. Loganathan, IPS, Commissioner of Police, Madurai

👥 Beneficiaries: Schools, colleges & public across Madurai

An initiative promoting women safety and community policing awareness.

👟 Gait Analysis Programme

In collaboration with CSIR-CLRI

Theme: Physical Well-being through Footwear Sizing

👥 Beneficiaries: 150+ staff

Focused on foot health awareness and physical wellness.



Student Club and Chronicles

🎯 Student Club Activities

- Technical Clubs: 21
– 45 Activities conducted
- Non-Technical Clubs: 10
– 10 Activities conducted

TCE Space Club: Operation Boomithran

MoU Signed with Indian Technology Congress Association (ITCA) on 16th June 2025 in the presence of Dr. Ashok Kumar L – Principal of TCE, Dr Gopala Krishnan, Dr. L. V. Muralikrishna, of ITCA,), Bengaluru



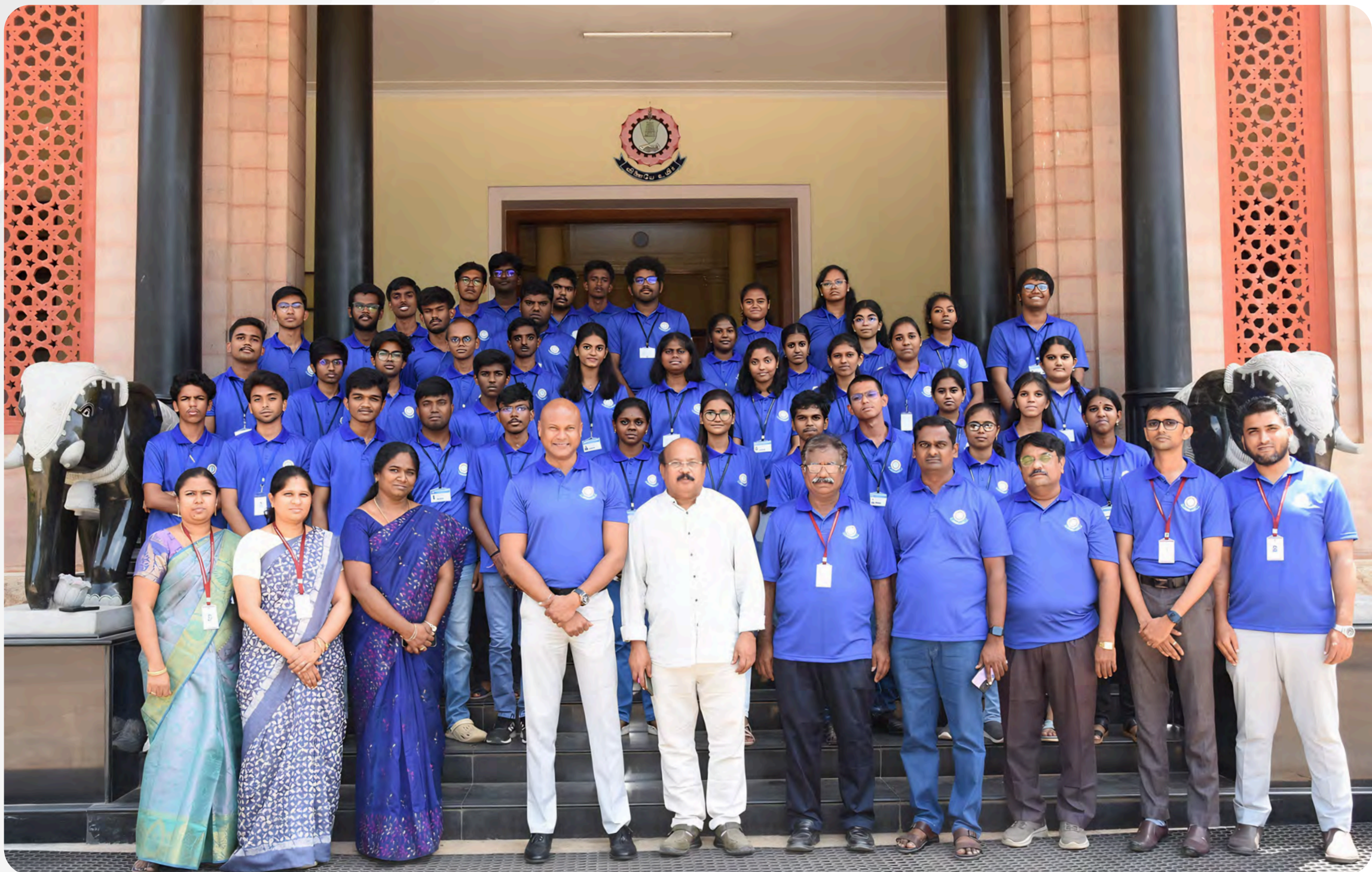
The official inauguration of Operation Boomithran was held on the occasion of Founder's Day (29.07.2025) by Padma Bhushan Dr. Nambi Narayanan, Former ISRO scientist.



CLUB ENROLLMENT DETAILS

S.No.	Details	No of Beneficiaries
1	Technical Clubs	1404
2	Non-Technical Clubs	702
3	Shristi Cultural Association	510
4	Volunteering Groups (NCC, YRC & NSS)	513
5	Total Club Enrollments (All Categories)	3129
6	No. of Students enrolled in clubs	702

TCE Space Club: Operation Boomithran



45 Students and 9 faculty members were inducted into Operation Boomithran through a two-stage selection process.



Faculty coordinators of Operation Boomithran visited New Tech Aerospace Solution Pvt Ltd, Bengaluru as a part of the project's developmental activities on 27.09.2025.

Student Mentorship Programmes

Student Mentorship Program (SMP)

- The Student Mentorship Program (SMP) at TCE is designed to make college journey smoother and more meaningful for every student. In this program, first- and second-year students will be mentees, paired with third- and fourth-year mentors.
- Every Department will have 30 to 40 mentors at a ratio of 1:6 handpicked by the respective HoD's
 - Academic Support – to guide students in adapting to the academic system and improving study habits.
 - Personal Development – to build confidence, resilience, and life skills for a balanced and fulfilling college life.
 - Career Orientation – to provide exposure to internships, research opportunities, placements, competitions / hackathon and higher education pathways.
 - Community and Belonging – to create a culture of inclusion, peer bonding, and mutual respect within the student community.
 - Well-being and Balance – to support students in handling stress, personal challenges, and the transition to college life in a healthy way.

Foreign Languages Programme

German Language Programme

- Number of Students enrolled - 07
- Number of Students enrolled - Registration is going on
- Name of the Institute - Goethe Institut, Chennai
- Name of the Tutor - Mrs. Naganandhini Anbarasan

Japanese Language Programme

Number of Students enrolled - 10

Number of Students enrolled - 20

Name of the Institute - Gnananandha Nihongo Gakkou

Name of the Tutor - Ms. Madhuvanthi

Name of the Institute - Surya Nihongo Gakkou

Name of the Tutor - Mrs. Vimala Solomon

New Initiatives

- Professional societies organized and standardised
- College gate timings was strictly introduced in the campus
- Provision of vending machine for the students
- Provision of adequate lighting inside the dark spots in campus
- Provision of First year student calendar for the forthcoming students
- Inauguration of ANTI DRUG committee in the campus by the Tamil Nadu Police department
- Arranged “Relax and Research” for PhD scholars by Professional Counsellors
- Introduction and Inauguration of POLICE AKKA scheme in the campus
- Online portal – registration for Technical and Non technical clubs for the students

Extra Curricular Activities (ECA)



List of Activities of NCC

Name of the activity
Republic Day Celebrations
International yoga day Celebration
Pollution Awareness drive
IDC & Tree Plantation Drive
Medical Camp

List of Activities of YRC

Name of the activity
Food Safety Awareness Program
Organ Donation and Transplantation Awareness program
Founder's day volunteering
Trekking - Thidiyan hills

List of Activities of NSS

Name of the activity
Blood Donation Camp
TNSS Special camp
MoU with Gandhigram
Plant Distribution Drive
Rally on Reducing Single-Use Plastics
UBA Event
Road Safety Awareness Program
Swachhotsav Campus Quest '25

List of Activities of Shrishti

Name of the activity
Oliyum Nilalum
Kadavul Arangam
Inceptra
Freshers Feast onstage
Cultural Nova
Gangs of Kodambakkam
Teacher's day celebration
Shrishti inauguration
Fresher's fest '25

Vertical	Initiative
NCC	NAVY chapter installed this Academic Year.
Sports	Recently launched Thiagarajar Tennis Academy.
	Installed and introduced Pickle ball sport @TCE Conducted Mini Marathon for Student, staff and family
	Approval obtained to lay a multi sport TURF @TCE
Cultural Club	• Convened Voice of TCE for Student and Faculty • Hosted Freshers Feast for first Year Students.
Faculty Club	• Conducted an Eye camp for faculty and Staff. • Hosted Cultura Nova a cultural competition for faculty and staff to showcase their cultural talent.
ENVIS LAB	• Host TPL – Thiagarajar Premier League on account of World Environment Day

List of Activities of Rotaract Club

Name of the activity
Orientation Of Rotaract Club of TCE
Installation Ceremony

Sports Achievements

Anna University Sports Board-Zone-16 (720 points)

GAME	TEAM	VENUE	POSITION
BADMINTON	MEN	KLNCE, Pottapalayam	WINNERS
	WOMEN	KLNCE, Pottapalayam	WINNERS
BALL BADMINTON	WOMEN	ACGCET, Karaikudi	WINNERS
BASKETBALL	MEN	Syedammal, Ramnad	WINNERS
	WOMEN	Mangai CET, Madurai	WINNERS
CHESS	MEN	MSEC, Kilakarai	WINNERS
	WOMEN	MSEC, Kilakarai	WINNERS
CRICKET	MEN	ACGCET, Karaikudi	RUNNERS
FOOTBALL	MEN	MSEC, Kilakarai	THIRD
HANDBALL	MEN	VCET, Madurai	WINNERS
HOCKEY	MEN	ACGCET, Karaikudi	WINNERS
KHO-KHO	MEN	TCE, Madurai	WINNERS
TENNIS	MEN	UCE, Ramnad	RUNNERS
TABLE TENNIS	MEN	KLNCE, Pottapalayam	WINNERS
	WOMEN	KLNCE, Pottapalayam	WINNERS
VOLLEY BALL	WOMEN	SRM, Pottapalayam	WINNERS
VOLLEY BALL	MEN	ACGCET, Karaikudi	PARTICIPATION
ATHLETICS	MEN	ACGCET, Karaikudi	WINNERS
	WOMEN		WINNERS
BALL BADMINTON	MEN	Chenduran CET, Puthukottai	WINNERS

Library

Events Conducted by the Library

- IEEE Authorship Workshop
- Mastering the Research Journey: From Literature Review to Publication (Web of Science)
- Orientation for New Faculty – Life at TCE
- TCE Digital Library Orientation
- QuillBot Demo for Students & Faculty
- Book Exhibition – 7 vendors participated
- Readers' Club Inaugural Function
- Research Seminar on Enhancing Knowledge Access through Library & Digital Platforms
- Research Seminar for Scholars – Publishing Smart: Choosing the Right Journal & Boosting Research Visibility

Collaborations: MoU signed with Kalaaignar Centenary Library (KCL), Madurai

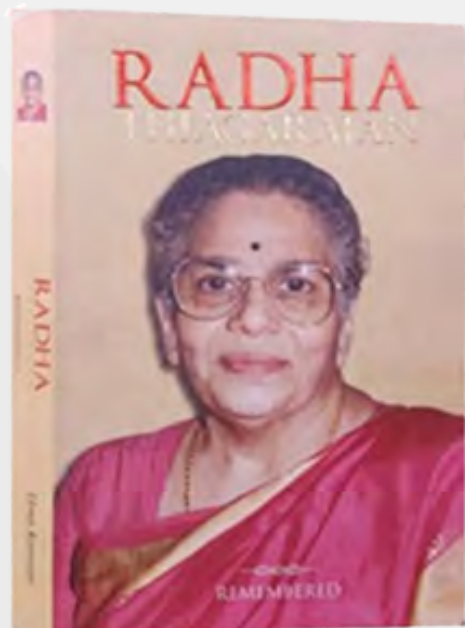
Digital Engagement: Views & Searches: More than 1,00,000

Library Circulation – 2025: Books Issued: 10,608 | Returned: 10,736 | Renewals: 185

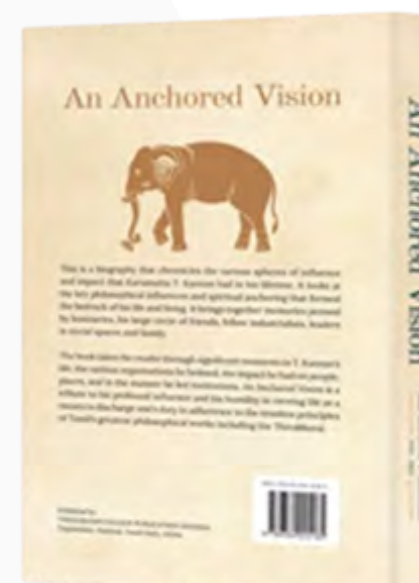
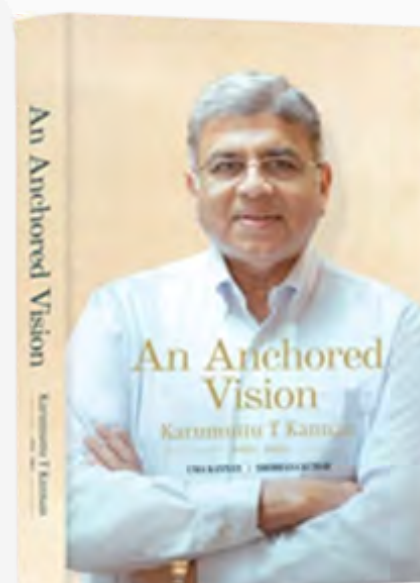
Library User Footfall – 2025: Physical Walk-ins: 61,172

Collection Development – 2025: Books Purchased: 283 | Books Donated: 824

TCE publication



Radha Thiagarajan - Remembered



An Anchored Vision



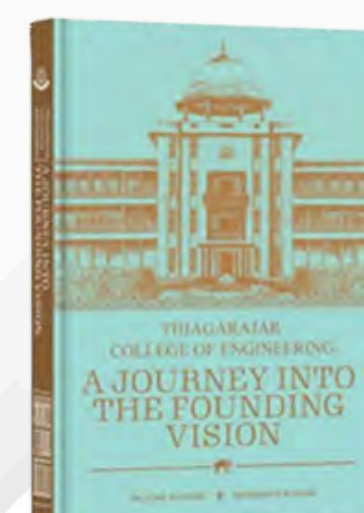
Available at:
tce.edu/thiagarajar-publications



Madurai Malligai



Thiagarajar College –
Opening the Doors to Education



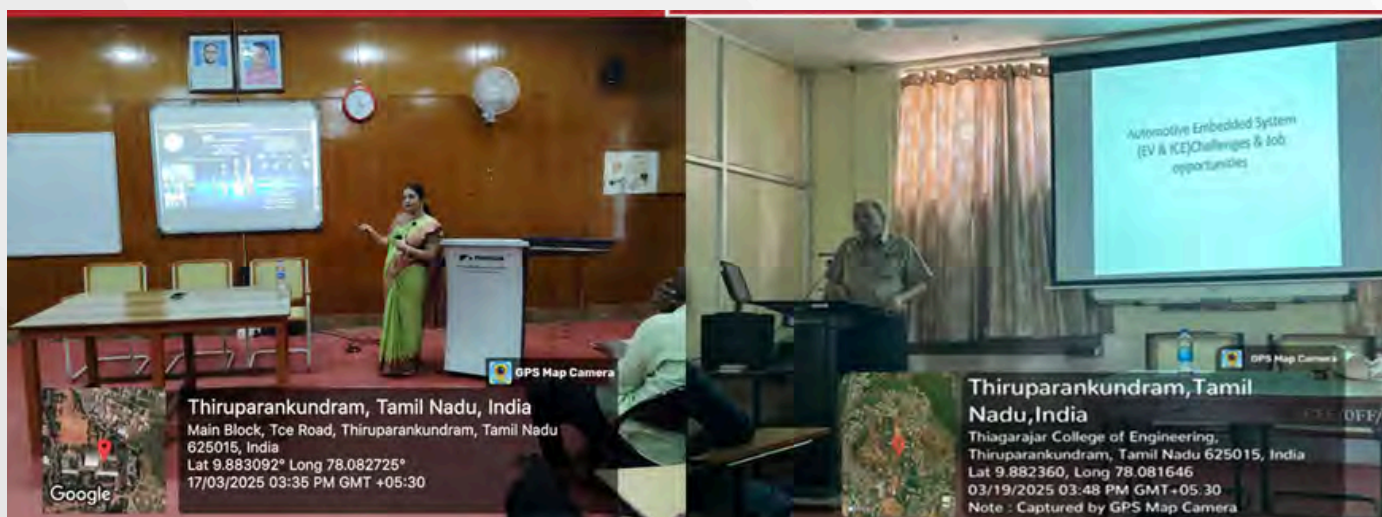
Thiagarajar College of Engineering:
A Journey into the Founding Vision

Alumni Activities

List of Alumni Activities



WE Speak – Grand Launch on 15-April 2025



Alumni Supported Mentorship Program – 8

Thiagarajar College of Engineering 67 (A Govt. Aided Autonomous Institution Affiliated to Anna University) "A++" Grade in cycle II NAAC Accreditation Madurai-625015 TCE Alumni Association Jointly Organizes ALUMNI MENTORSHIP PROGRAM SERIES (AMPS #2) Topic : From Campus to industry How to stay ahead of the curve? Resource Person V.T. Shanmugam B.E., JVAHE, AMHWCE, Eng Chartered Engineer, Govt. Registered Valuer Insurance Surveyor Resource Person G. Karmegam B.E., M.Tech, PGDMM Former Vice President (Commercial & Legal), Colhar Ltd, Trichy Date : 4.12.2024 Time : 2.00 PM to 4.30 PM Venue : Mechanical Department Seminar Hall	Thiagarajar College of Engineering 68 (A Govt. Aided Autonomous Institution Affiliated to Anna University) "A++" Grade in cycle II NAAC Accreditation Madurai-625015 TCE Alumni Association Jointly Organizes ALUMNI MENTORSHIP PROGRAM SERIES (AMPS #3) Topic : Energy efficiency - How organisations apply engineering fundamentals to boost profits. Resource Person Dr. J. Nagesh Kumar Director Centre for Energy Environment and Productivity Chennai Date : 22.01.2025 Time : 3.00 PM to 4.30 PM Venue : EEE Department Seminar Hall
Thiagarajar College of Engineering 68 (A Govt. Aided Autonomous Institution Affiliated to Anna University) "A++" Grade in cycle II NAAC Accreditation Madurai-625015 TCE Alumni Association Jointly Organizes ALUMNI MENTORSHIP PROGRAM SERIES (AMPS #4) Topic : Roadmap to Leadership: An Alumnus's Perspective on Highways Engineering Resource Person Er. N. Balamurugan B.E., M.Tech., Retired Chief Engineer Highways Department. Date : 19.02.2025 Time : 3.30 PM to 4.30 PM Venue : Civil Department Seminar Hall	Thiagarajar College of Engineering 68 (A Govt. Aided Autonomous Institution Affiliated to Anna University) "A++" Grade in cycle II NAAC Accreditation Madurai-625015 TCE Alumni Association Jointly Organizes ALUMNI MENTORSHIP PROGRAM SERIES (AMPS #5) Topic : Overview of Spacecraft building and Current Trends in Space Technology Resource Person Smt. Jeyanthi Rajesh Former Group Director of Systems Integration Group (SIG) at URSatellite Centre, Indian Space Research Organisation (ISRO), Bangalore. Date : 17.03.2025 Time : 3.00 PM to 4.30 PM Venue : ECE Seminar Hall
Thiagarajar College of Engineering 68 (A Govt. Aided Autonomous Institution Affiliated to Anna University) "A++" Grade in cycle II NAAC Accreditation Madurai-625015 TCE Alumni Association and Department of Electrical and Electronics Engineering Jointly Organizes ALUMNI MENTORSHIP PROGRAM SERIES (AMPS #6) Topic : Embedded Systems in Electric Vehicles: Innovations, Challenges, and Career Opportunities Resource Person Mr. K. Parthipan, M.E (1984 Batch - Alumni) Consultant in Royal Enfield Electric Vehicle (EV) Date : 19.03.2025 Time : 3.30 PM to 4.30 PM Venue : EEE Seminar Hall	Thiagarajar College of Engineering 67 (A Govt. Aided Autonomous Institution Affiliated to Anna University) "A++" Grade in cycle II NAAC Accreditation Madurai-625015 TCE Alumni Association and Department of Electrical and Electronics Engineering Jointly Organizes "ALUMNI MASTER TALK SERIES -7 " Indian power sector and career opportunities Guest Speaker Er. Ravi Shanmugam Retired Executive Director, Powergrid Corporation of India limited, TCE Alumni (1984 Batch-EEE). Date : 24.10.2024, Thursday Time : 10.30 am - 12.00 pm Venue : EEE Department Seminar Hall

Chief Guest, Mr. Subbaraman Balasubramanyan (Chairman, CII Madurai & BU Head, HCL)

Alumni Reunion Celebration

- 200+ Alumni participated in the 2000 batch Alumni reunion held on 18-7-2025
- They donated an amount of Rs.50.02 Lakhs towards TCE Alumni Charitable Trust
- 90+ Alumni participated in the Alumni reunion held in Dallas on 19-7-2025

TCE Distinguished Alumni Award '25

- TCE Distinguished Alumni Awards TCE DAA 2025
- About 45 Nominations received under these categories



TCE DISTINGUISHED ALUMNI AWARDS 2025

September 26, 2025 | 4:30 pm | KS Auditorium, TCE, Madurai

Eminent Scientists



Er. N. Vedachalam
(MECH-1964)

Padma Shree Awardee
Founder Director ISRO Inertial Systems Unit &
Former Director Liquid Propulsion Systems
Centre, ISRO, Thiruvananthapuram



Er. V. Gnanagandhi
(MECH-1964)

Padma Shree Awardee
Sr. Vice President
Propulsion at Skyroot Aerospace
Hyderabad



Er.S.Nambi Narayanan
(MECH-1965)

Padma Bhushan Awardee
Former ISRO Scientist
Thiruvananthapuram



Dr. A. Sivathanu Pillai
(Electrical-1969)

Padma Shri
& Padma Bhushan Awardee
Former CEO & MD
BrahMos Aerospace, Chennai

Excellence in Academia
and Research



**Mr. Ravindran
Balaraman**
(ECE-1993)

Professor, IIT Madras
Chennai

Excellence in Academia
and Research



**Mr.Narayana
Prasad Padhy**
(EEE-1992)

Director, MNIT Jaipur
Jaipur

Excellence in Technology
and Innovation



Mr.K.Nagarajan
(CSE-1997)

Founding Member
Real Stochastics Institute of
Data, TATA SONS
Chennai

Excellence in
Entrepreneurial Venture



**Mr.Raghunathan
Ramakrishnan**
(MECH-1980)

Founder - Director
Hydroquip Hydraulics Pvt Ltd.,
Tiruvallur

Excellence in
Industrial/Corporate
leadership/Management



Mr.T. Archunan
(CIVIL-1988)

Director
Chennai Metro Asset
Management Limited
(CMAML), Chennai

Excellence in
Industrial/Corporate
leadership/Management



**Mr.Ajayan
Sahadevan**
(MECH-2002)

Executive Director
Global Board Member
Oldendorff Carriers, GMBH, Germany

Excellence in Public
Administration/Defense
services



**Capt.Mr.Venkatesh
Kumar.S**
(CSE-2005)

Commanding Officer
Indian Naval Air Squadron
Goa

Excellence in Social
Service



Mr.Siva Kumar.S
(MECH-1985)

Business Development
Manager and Partner
Middle East Technical Services
UAE

Founder's Day – 29th July 2025



- Mr. K.R. Nagarajan, Founder & Chairman, Ramraj Cotton as Chief Guest and delivered the Rukmini Shanmugam Endowment Lecture.
- Mr. J.K. Ajay Kumar, VP of Mission Development, Helogen (MEAP) joined as Guest of Honour.
- 241 students benefitted with a Scholarship amount of Rs. 96,61,118/-
- 122 Alumni from the 2010-2020 batch attended the event on 20-12-2024
- Chief guest – Mr. T. Archunan , Director-Projects, Chennai Metro Rail Limited.

FAME'25

TCE Fresh Alumni Meet

CELEBRATED ALUMNI EXCELLENCE IN ACADEMIA, INNOVATION, LEADERSHIP & SERVICE

The TCE Alumni Interaction Cell proudly celebrated our distinguished alumni achievers across diverse domains at FAME'25.

Honoured Excellence in

Academia and Research	Technology and Innovation	Industrial/Corporate Leadership/Managemen	Public Administration	Defense Services	Social Service
 Dr S Shiva (PG-MECH 2011) Head, Laboratory for Advanced Manufacturing and Processing (LAMP) IIT Jammu, India	 Mr Gokula Prasanna G S (MECH 2022) Data Engineer-Analyst Deloitte, Bengaluru	 Mr Vijay Raajaa G S (CSE 2012) Head of Engineering (Agentic Platform & AI Services) AI Center of Excellence Freshworks, Bengaluru	 Ms K S Preethy (CIVIL 2019) Deputy Superintendent of Police Tenkasi	 Lt Cdr Siranjeevi Balasubramanian (IT 2013) Lieutenant Commander Unit INA, Indian Navy	 Mr Anas Mohammed R (CIVIL 2015) Project Manager Saahas; Founder & Managing Trustee Nin Nalam, Chennai

Saturday, Dec 27, 2025 | Venue: KS Auditorium

2000 BATCH ALUMNI REUNION

200+ ALUMNI PARTICIPATED

in the 2000 batch Alumni reunion held on 18-7-2025.

They donated an amount of **Rs.54 Lakhs** towards TCE Alumni Charitable Trust

DONATED Rs.54 LAKHS

Alumni Student Council

- The objective of the Alumni Student Council is to strengthen the bond between our esteemed alumni and the current student body.
- The council will serve as a platform for mentorship, collaboration, and institutional development.
- Student Nomination Details are collected.
- The Council needs to be formed with posts such as General Secretary, Treasurer, and Event Coordinators.




Murugavel Janakiraman
 Founder Matrimony.com
Chief Guest


Thiagarajar Entrepreneur Network
 organize **TEN SUMMIT 2025** TRIVENI EXPO
 December, 19 & 20, 2025 | Thiagarajar College of Engineering, Madurai


Suresh Sambandam
 Founder Kissflow
Valedictory Guest

Leadership Series

Vishesh Rajaram
 Co Founder Speciale Invest


Prof Satya Chakravarthy
 CEO, The ePlane Company


Pratik Shah
 Founder Specs-makers


Srinath Ravichandran
 CEO Agnikul Cosmos


Sivakumar Palanisamy
 VP & Chief of Staff StartupTN


Ramakrishnan Kalyanaraman
 Senior MD Spark Capital Advisors


Venkatesh Ramarathinam
 CEO, Workhall

TCE Alumni IT Founders Panel

Nagendran Sundararajan
 Cofounder Hebbale Academy


Srinivasan Thiagarajan
 Consultant IITM Pravarthak


Ganesh Thiagarajan
 Independent Consultant Radar Design Expert


Senthil Shanmugam
 Principal Group Engg Manager, Microsoft


Murali Avanimuthu
 Director Cetas Info Technology


Vimala
 CEO Everapptech Solutions


Sharmila Devadoss
 CEO Mediotek Health Systems


Lakshmi Bala
 MD DBS Fabrics


Bhavana
 Co Founder Speakers Hive

TCE Alumni Advanced MFG Founders Panel

Nagarajan
 Founding member Real Stochastics Institute of Data


Raghunathan
 Founder Hydroquip Hydraulics


Mathiyalagan
 CEO HiTech Company


Ramalingam
 Chairman Issojet Burner


Elancheshiyam
 CEO Arus Info


Gnanasekaran
 CEO Arus Ignite


Raja CSP Raman
 CEO Kectil


CT Narayanan
 Founder Sri Sasthaa Constructions


Deepak TS
 Founder Foursquare Architects


Laxman Natesan
 Founder Ecowin


Sudhakar A
 Chartered Engineer Civil Engineering Consultant

Chapter Initiatives

Chapter	Form Responses		
Bangalore	86	Madurai	105
Chennai	171	Mumbai	11
Coimbatore	27	Nagercoil and Kanyakumari	12
Delhi	7	Trichy	16
Hyderabad	13	Virudhunagar & Tirunelvi	14
		Total	462

- Initiated to connect members across various locations to be a part of the TCE Alumni Association during the month of May-June 2025
- WhatsApp groups for individual chapters have been created for further communication

Scholarships

Scholarships	No.of.Boys	No.of.Girls	Total Amount
TCE Alumni & Charitable Trust	129	97	Rs. 96,61,118/-
Private Scholarships	16	20	Rs.13,80,862/-

Scholarship Details

Name of the Scholarship

TCE Alumni Charitable Trust

G17 Scholarship

Srinivasan Sethuraman Endowment

Rukmini Shanmugam Endowment

Subramanian Endowment

Mrs. Shripriya Mahesh Endowment

TSK Memorial Scholarship

PV Shanmugam Endowment

Pannaikadu Veerammal Paramasivam Endowment

Urmila Mahendra Babu Endowment

Esaiselvan Memorial Scholarship

Pitchai Mahalingam Memorial Fund

Sharp Foundation

Mr. Kesavapillai Endowment

TCE 2005 Xanazo Scholarship

TCE 1998 Batch Endowment

TCE 96 Reblend

Balaji Scholarship

MVM Trust

Infrastructure

Institution's Commitment to Infrastructure Development

The organization continues to make significant investments in infrastructure to enhance the learning environment, research facilities, and student living spaces. These strategic developments underscore the institution's commitment to academic excellence, research innovation, and student well-being.

PROJECT STATUS		
S.No.	STATUS	AMOUNT (IN Crores)
1	Completed	17.84
2	In Progress	0.76
3	Proposed	20
TOTAL		38.6



Boys Hostel-E Block Additional Floor

Key Features: 27 Premium Rooms with Air-conditioner, attached toilet

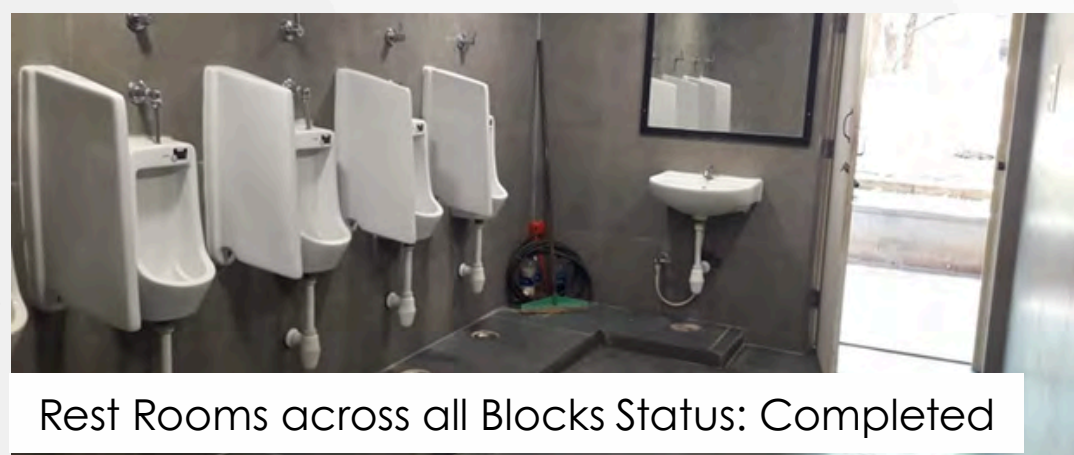
Cost: 620 Lakhs



Girls Hostel –Block 1 – Additional (3rd)floor

Key Features: 40 Rooms, 2 Dormitories , 2 toilet blocks, Washing Area

Cost: 587 Lakhs



Rest Rooms across all Blocks Status: Completed

Key Features: All Tiles, Forced ventilation
IT – 2 Boys,2 Girls, CSE – 2 Boys, Civil – 1Boys, B block- 2 Girls, M Block -2 Girls
Girls Rest Room-1, A block – 1Staff

Cost: 130 Lakhs



Appropriate Technology block –Second and Third Floor- AI/ML
Status: Completed

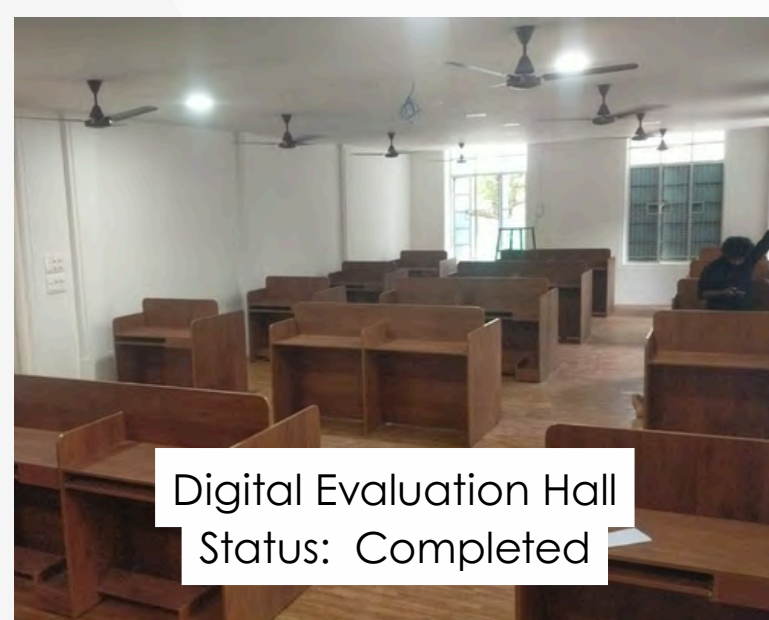
Key Features: Classroom – 3, Air conditioned Large lab -3 Staff Rooms. Rest Rooms

Cost: 120 Lakhs



Northern Compound Wall, Status: completed

Cost: 36 Lakhs



Digital Evaluation Hall
Status: Completed



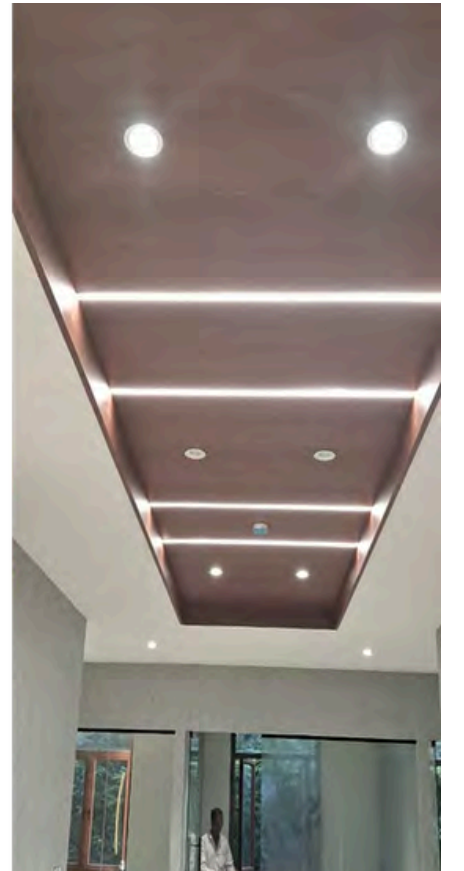
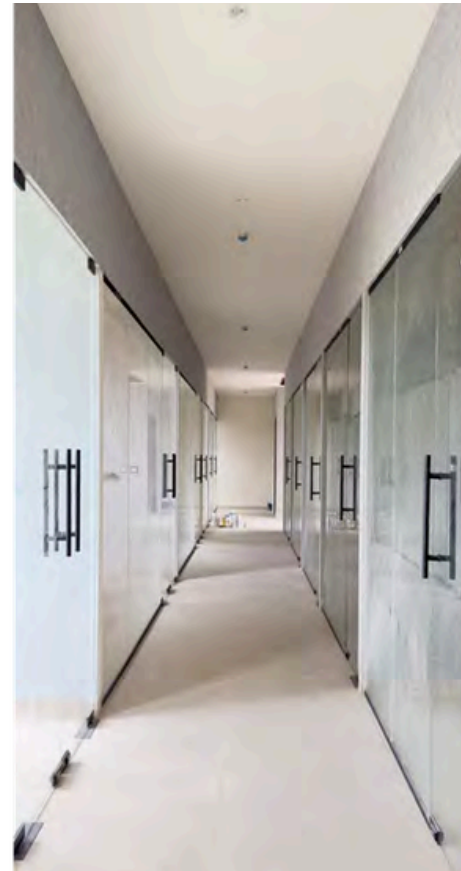
Additional Cafe
Status: Completed

Key Features: brewed coffee, Nachos, Momo, ample space

Cost: 12 Lakhs

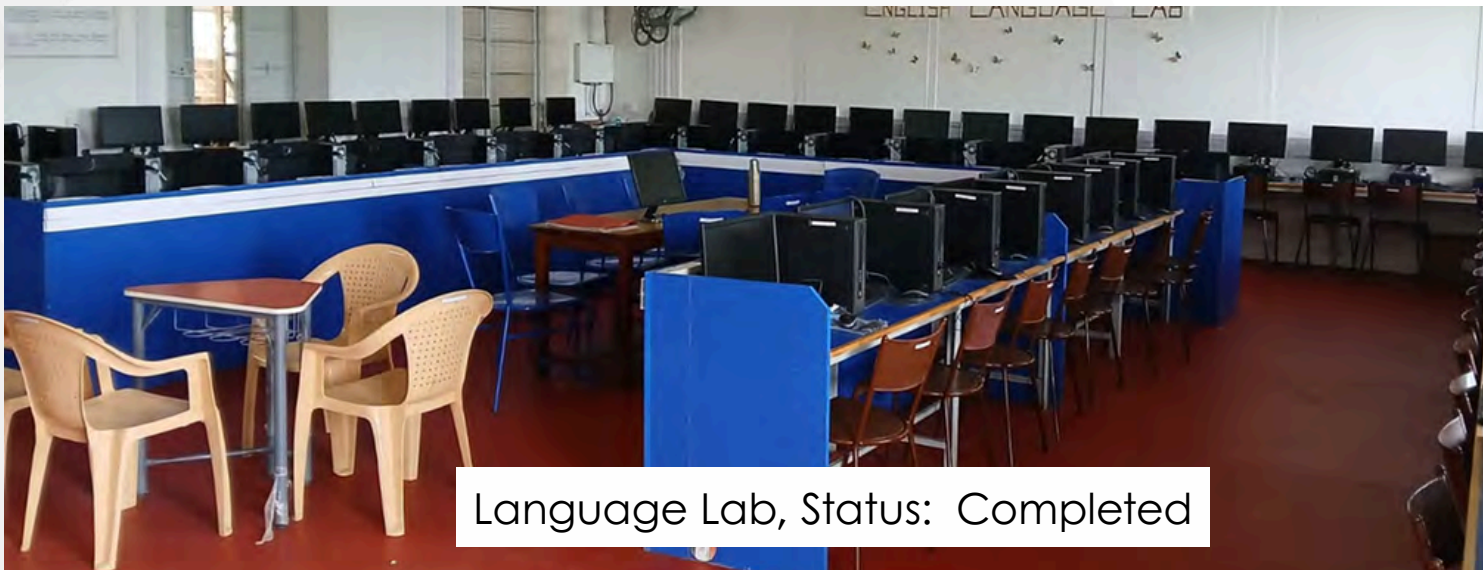


Career Development Centre, Status: Completed



Key Features: Conference Room, GD Rooms, Interview cabins

Cost: 240 Lakhs



Language Lab, Status: Completed



STP Renovation @ Excellence block, Status: Completed

Key Features: 60 Seater, Airconditioned, projection system

Cost: 11Lakhs

Key Features: Aerobic, 45 KLD

Cost: 6 Lakhs



Civil Bently COE



Volley ball wall



Street Lighting-Phase 1



Turf



EV for Men's hostel



Traffic island

Key Features: 6000 sq ft, Bellin
Fifa approved turf, top nylon net

Cost: 26 Lakhs

Cost: 40 Lakhs



Faculty Rooms - MCA Block Second Floor



COE-ESDM, EDA

Key Features: Puf Panel, 6 staff Rooms

Cost: 36 Lakhs

Key Features: Center of Excellence in ESDM, EDA,
IDEA, Airconditioned

Cost: 20 Lakhs

TCE 2025 Highlights

686+ INSTITUTIONAL ACTIVITIES



215+ Student-Centric Activities



180+ Academic Events & Celebrations



145+ Research, Innovation & IIC Initiatives



120+ Alumni & Networking Engagements



95+ Internships, FDPs & Skill Programs



90+ Achievements & Recognitions



70+ MoUs & Collaborations



65+ Outreach Initiatives

Editorial Team



Dr. L. Ashok Kumar
Principal



Dr. S. Baskar
Dean
Academics and Accreditation



Dr. P. Chitra
HEAD IQAC



Dr. R. Leena Sri
Associate Professor
Dept. of CSE



Mr. R. Vinothkumar
Assistant Professor
Dept. of TSED



Dr. L. Radha
Librarian



Dr. A. M. Abirami
Professor
Dept. of IT



Dr. S. Subash
Assistant Professor
Dept. of English



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 www.tce.edu

