

About the College

Thiagarajar College of Engineering (TCE) is a Government-Aided Autonomous Institution, established in 1957 by the philanthropist Late Karumuttu Thiagarajan Chettiar. TCE is affiliated with Anna University, Chennai, and approved by the All India Council for Technical Education (AICTE). TCE offers a wide array of Undergraduate, Postgraduate and PhD Programs across various disciplines of Engineering, Architecture and Science. The campus is set within a serene and eco-friendly environment surrounded by dense vegetation and the best infrastructure facilities. TCE has consistently embraced reforms and upgrades in its Teaching-Learning processes. Noteworthy initiatives include the implementation of a Competency-Based Curriculum and Outcome-Based Education. Since 2018, TCE has adopted the Conceive Design Implement Operate (CDIO) framework, shaping curriculum design, pedagogical methods, and assessment techniques with adequate hands-on training for students.

The institution's programs have been accredited by NBA since 1998, indicating compliance with quality standards in technical education. The programmes offered at the institution have garnered numerous accolades, including accreditation by NAAC with a CGPA of 3.56 (out of 4.0) securing A++ Grade in Cycle 2. The institution launched Massive Open Online Courses (MOOCs) in 2021 and introduced the Thiagarajar Research Fellowship (TRF) scheme for PhD research scholars, furthering its commitment to academic excellence and research innovation. In 2024, the institute received a Platinum Certificate in 5S Audit for having a clean and sustainable campus.

About the Department

Department of Physics was established in the year of 1957. The department in collaboration with other engineering departments offers Ph.D. program in specializations such as Smart Materials, Thin Film Materials and Nano Materials, Computational Material Science, Batteries, Quantum Physics. The department is supported by FIST program of DST, New Delhi. The department consistently collaborates with the various industries, academic and professional bodies to actively engage in many technological developments. The department has received multiple sponsored project from BRNS, DRDO, DST, ISRO, CSIR and AICTE.

Facilities available in the department:

- Crystal Growth Research Laboratory
- Nano Materials Research Laboratory
- Thin Films Research Laboratory
- Materials Science Laboratory
- Smart Materials Research Laboratory.

Core Strength:

- No. of Faculties: 12 PhDs (including adjunct faculty from IIT Madras).
- Accumulated Impact factor: 404 Total number of High IF (Q1-Q3): 233
- Citations: 27776 (308/faculty)
- No. of Ph.Ds. Prod./ongoing: 32/12
- No. of projects completed: 17.

Details of the FDP is available in the website: www.tce.edu



Thiagarajar 67
College of Engineering YEARS
1957-2024
Celebrating
Academic Excellence
where quality and ethics matter

Six-Day Online Faculty Development Programme on

The Recent Research in Crystal Growth and Applications

November 18 - 23, 2024



In Association with
Indian Association for Crystal Growth (IACG)
Organized by

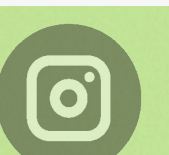
Department of Physics
Thiagarajar College of Engineering
Madurai - 625 015



www.tce.edu



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Important Date:

Last date for registration: November 16, 2024

The registration fee for the participants (Inclusive of GST) is

- **Faculty members and Research scholars - 354(300+18%GST)**



Note: No registration fee for Ph.D scholars from TCE, Madurai

Online Registration Procedure

- STEP 1: Make your Registration at <https://tinyurl.com/58xp5jd4>
- STEP 2: Complete your Payment Click the link given (or) Search <https://eazypay.icicibank.com/> Type "T C E" with Space (as mentioned) in the "Enter Institute Name". Select the sixth Option* (“T C E SOUVENIOR “) from the drop-down menu. Enter the Required Information (Email id, Mobile number, Name, Designation, College Name, Department, Registration Fee, etc..).
- STEP 3: Pay the fees and download the eazypay Transaction Receipt.
- STEP 4: Update Program Topic Google Form with the Transaction ID and Receipt.
- STEP 5: Submit Google Form.

Scan QR code to register

All payments should be made through NEFT

Account Name : TCE Souvenir
Account Number : 601301902011
IFSC CODE : ICIC0000563
Branch : Madurai - TCE



Eligibility:

Faculty members, Research Scholars from Engineering Colleges, Arts & Science Colleges and Universities are eligible to apply.

Organizing Committee

Chief Patron

Mr. K. Hari Thiagarajan
Chairman and Correspondent, TCE

Patron

Dr. L. Ashok Kumar
Principal, TCE

Convener

Dr. M. Mahendran
Professor and Head, Dept of Physics, TCE

Coordinators

Dr. M. Tamilelakkia
Assistant Professor, Dept of Physics, TCE

Dr. P. Sivakumar

Assistant Professor , Dept of Physics, TCE

Theme areas:

- **Energy Harvesting and Conversion:** Crystals are at the heart of next-generation solar cells, thermoelectric materials, and piezoelectric devices, contributing to more efficient and sustainable energy solutions.
- **Nonlinear Optical (NLO) Materials:** Advances in the growth of NLO crystals for use in frequency conversion, optical data storage, and laser systems.
- **Controlling Crystal Defects:** Advances in defect control for producing high-purity crystals, essential for achieving optimal material performance in various applications.
- **Eco-Friendly Crystal Growth Techniques:** Sustainable approaches to crystal growth, focusing on minimizing environmental impact and energy consumption.

Keynote Speakers

Prof. P. Ramasamy

*President of Indian Association for Crystal Growth (IACG)
SSN Research Centre, Chennai.*

Dr. K. Sankaranarayanan

Senior Professor and Head, Alagappa University

Prof. Binay Kumar

Senior Professor, University of Delhi

Prof. S. Moorthy Babu

Professor, Anna University, Chennai

Dr. S. Ganesamoorthy

Scientific Officer G, IGCAR

Prof. S. Brahadeeswaran

Professor & Head, Anna University BIT Campus, Trichy

Prof. R. Rames Babu

*Head and Department of Physics,
Bharathidasan University*

Prof. K. Sethuraman

Professor, Central University of Tamil Nadu

Prof. R. Thangavel

Associate Professor, IIT(ISM) Dhanbad

Dr. R. Nagalakshmi

Associate Professor, NIT, Tiruchirappalli

Dr. R. Arun Kumar

Associate Professor, NIT, Tiruchirappalli

Dr. Muthu Senthil Pandian

Research Scientist, SSN Research Centre, Chennai

Dr. B. Sridhar

Senior Principal Scientist, CSIR, Hyderabad

Dr. P. Samuel

Associate Professor, VIT, Vellore

For Further Details, Contact
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