



**Thiagarajar** 67  
**College of Engineering** YEARS  
 1957-2024  
*where quality and ethics matter*  
 Celebrating Academic Excellence  
 Madurai - 625015



**Department of Physics**  
*Celebrates*

**NATIONAL SCIENCE DAY**  
**(NSD-2024)**

**Theme: "Indigenous Technologies for Viksit Bharat"**

**27<sup>th</sup> March 2024, Wednesday**

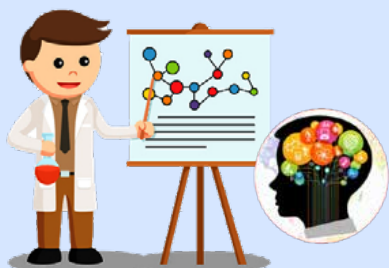


*Convener*

**Dr. M. Mahendran,**  
 Professor and Head

*Coordinators*

**Dr. P. Velusamy,** Assistant Professor  
**Dr. M. Tamil Elakkiya,** Assistant Professor  
**Dr. S. Karthickprabhu,** Assistant Professor



### About the College

Thiagarajar College of Engineering (TCE), Madurai, an autonomous institution affiliated to Anna University, Chennai, is one among the several educational and philanthropic institutions founded by Late. Shri. Karumuttu Thiagarajan Chettiar, established in 1957. TCE offers 9 undergraduate (UG), 10 postgraduate (PG) and Doctoral programmes in Engineering and Science.

- Accredited by National Board of Accreditation (NBA) and National Assessment and Accreditation Council (NAAC) with the A+ Grade (3.47 out of 4).
- TCE has a Technology Business Incubator (TBI) unit supported by the Govt. of India and has incubated a startup named 'Thiagarajar Telekom Solutions Limited' in the area of RF systems and antennas.
- TCE has secured a place in (101-150) rank band in the National Institutional Ranking Framework (NIRF -2023) of MHRD, Government of India.
- Conceive-Design-Implement-Operate (CDIO) framework is adopted to provide a systematic approach in realizing stakeholder expectations to raise the academic standards.

### 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 Films 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 projects from BRNS, DRDO, DST, ISRO, CSIR and AICTE.

### List of Instrumentation Facilities

- Arc Melting System
- Electrochemical Workstation
- Physical Vapor Deposition unit (DC sputtering)
- TG-DSC

- UV-Visible Spectrophotometer
- Spray Coating Unit
- Scanning Tunneling Microscope
- Laser Particle Analyzer
- High Temperature Muffle Furnace

### Objective of the NATIONAL SCIENCE DAY

The main objective of the event is to expose the budding scientists and engineers in the interface of Science and Engineering to enhance interdisciplinary knowledge. The National Science Day, celebrated on 28<sup>th</sup> February is to commemorate the discovery of the 'Raman Effect' by the great Indian scientist Sir C.V. Raman. Every year the Department of Science and Technology, New Delhi fixes a theme to celebrate this auspicious event. This year, DST has fixed the theme as "Indigenous Technologies for Viksit Bharat".

### Events

#### Quiz Masters (Video based quiz)

1. Two participants per team.
2. It evaluates Physics knowledge and skills of participants.

#### Breaking Boundaries (Poster making)

1. Poster presentations must be made individually (1 student per poster).
2. More than one posters are allowed for a single institution.
3. Cutting edge areas appropriate to the theme should be chosen.
4. Display area of 1m x 1m will be provided for each poster presentation.

#### Scientific Model Presentation

1. Maximum 2 participants per team.
2. Students can showcase their ideas and working models.
3. Models should showcase the most pressing ideas related to the theme.

### Who shall participate?

**1 year B.E / B.Tech / B.Sc Students**

### Online Registration Procedure

Fee: Rs.354/- (Rs.300 +18% GST)

**STEP 1:** Make your Registration at <http://tinyurl.com/4zvjk44>

**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 Last 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.

### Points to Ponder

1. One participant can participate in a maximum of two events. Overlapping of events should be avoided.
2. Participants should bring their college ID card and hard copy of the payment receipt.
3. Lunch and Refreshments will be provided.
4. Last Date for Registration: **24.03.2024.**

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 +  
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*For further information*

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