



Hands-on Workshop on Advanced Characterization Techniques

Organised By

Central Instrumentation Center, Tripura University (TU)

25th March, 2026

VENUE: SEMINAR HALL, DEPARTMENT OF PHYSICS, TU

About Tripura University

Tripura University (accredited by NAAC with "B++" grade) formally came into existence on 2nd October, 1987 and converted into a Central University on 2nd July, 2007. During the last five years, the university has grown; its departments and faculty are strengthened and enlarged, it has developed substantial infrastructure, has been able to attract good faculty and students. Now, the university has 45 departments and 15 centres with a strength of around 200 Faculty members. The institute is offering undergraduate and postgraduate programs in different disciplines along with doctoral program.

About Central Instrumentation Center (CIC)

Tripura University has established a CIC. The instruments available in the center are being used by research scholars and faculty members of different departments of this university, as well as researchers from different institutions of North East India. **Website:** <https://cictu.wordpress.com/>

About the workshop

This hands-on workshop offers practical training on advanced characterization instruments available at the Central Instrumentation Centre, Tripura University. It combines concise theoretical sessions with live demonstrations and guided practice to help participants understand instrument operation, data acquisition, and interpretation. The program aims to strengthen research skills and promote effective use of modern analytical techniques in interdisciplinary research.

Registration Fees: Nil | **Registration link:** <https://forms.gle/vigaf969PbEny5Xi6>

Participants limits: 50 (first come first serve basis)

Instruments to be covered

1. 400 MHZ NMR SPECTROMETER
2. FIELD EMISSION SCANNING ELECTRON MICROSCOPE (FESEM)
3. LIFETIME SPECTROFLUOROMETER
4. GSV4004B GPS IONOSPHERIC SCINTILLATION & TEC MONITOR (GISTM)
5. INVERTED FLUORESCENCE MICROSCOPY
6. CHEMIDOC

Local Organizing Committee

Patron:

Honourable Vice-Chancellor, Tripura University

Co-Patron:

Dean, Faculty of Science, Tripura University

Chairman:

Prof. Swapan Majumdar

Coordinator:

Prof. Syed Arshad Hussain

Members:

Prof. Debasish Maiti

Prof. Utpal Chandra De

Prof. Anirban Guha

Prof. Bimal Debnath

Dr. Surajit Bhattacharjee

Dr. Shiv Shankar Singh

Er. Harjeet Nath

For Queries / Contact:
cic@tripurauniv.ac.in



Speakers

1. Dr. Swapan Majumdar
Professor, Dept. of Chemistry, TU
2. Dr. Utpal Chandra De
Professor, Dept. of Chemistry, TU
3. Dr. Syed Arshad Hussain
Professor, Dept. of Physics, TU
4. Dr. Debasish Maiti
Professor, Dept. of Human Physiology, TU
5. Dr. Anirban Guha
Professor, Dept. of Physics, TU
6. Dr. Surajit Bhattacharjee
Assoc. Professor, Dept. of Molecular Biology, TU
7. Dr. Arghyadeep Bhattacharyya
Asst. Professor, Dept. of Chemistry, TU

Who Should Attend

PG students, research scholars, young faculty members, and early-career researchers.

Key objective

1. To provide hands-on training on advanced characterization instruments
2. To enhance practical understanding of analytical techniques
3. To encourage interdisciplinary research collaboration
4. To motivate students and young researchers towards quality research

Important Dates

- **Registration Opens:** 25 Feb 2026
- **Last Date of Registration:** 15 March 2026
- **Confirmation to Selected Participants:** 20 March 2026
- **Workshop Date:** 25 March 2026