







DST STUTI ICT

INSIGHTS INTO THE APPLICATIONS OF HIGH-END INSTRUMENTS IN CHEMICAL SCIENCES



REGISTRATION

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REGISTRATION

DEADLINE:

FEBRUARY

10, 2023

Under the scheme of

Synergistic Training program Utilizing the Scientific and Technological Infrastructure (STUTI)

An initiative by the Department of Science and Technology, India

Organized by the Institute of Chemical Technology, Mumbai (PMU)

Hosted by Thapar Institute of Engineering and Technology, Patiala, Punjab 147004

ABOUT THAPAR INSTITUTE OF ENGINEERING AND TECHNOLOGY

TIET started its journey in 1956 and is regarded as the oldest renowned private Deemed to be University in India serving society through knowledge & innovation in science and technology and has been rated amongst the top-ranked innovation-driven private Universities and technical institutes in the country. Further, TIET has been accredited with an 'A+' grade by the National Assessment and Accreditation Council (NAAC) and has secured 28th ranking in NIRF (2022) in Engineering. TIET has been ranked in "601-800" bracket in Times Higher Education World University Ranking 2023 and "1001-1200" bracket in QS World University Ranking 2023. Currently, TIET is having active international collaborations with Trinity College Dublin, Tel Aviv University, University of Toledo, University of Groningen, University of LEEDS and others.

ABOUT SCHOOL OF CHEMISTRY AND BIOCHEMISTRY (SCBC):SCHOOL OF ENERGY AND ENVIRONMENT (SEE)

School of Chemistry and Biochemistry (DST-FIST sponsored) initiated its journey as an independent school in 2002 to endorse teaching and research in Chemistry. In order to promote interdisciplinary research in chemical and biological sciences another area Biochemistry was introduced in 2015. SCBC offers M.Sc. (Chemistry) and Ph.D. programs, caters to BE-I and B.Sc. (Liberal Arts and Sciences) programs. The research laboratories are well-equipped with specialized instruments (e.g., LCMS, GCMS, GC, HPLC, Fluorescence spectrophotometer, FTIR, NMR, UV-Vis, TGA, etc.).

School of Energy and Environment was carved out from the erstwhile Department of Biotechnology and Environmental Sciences with effect from the academic year 2013. SEE faculty have extensive experience of work with the commercial sector, local government, central government, and research councils. SEE has been offering M.Tech. (Environmental Science & Technology) since 1980s. R&D activities of the school currently include river water quality monitoring and management; metal bio-transformations; advanced oxidation processes; industrial environmental management; ambient air quality; and bioremediation and bioplastics. The school offers Ph.D. in the areas of energy, environment and safety.

ABOUT THE TRAINING PROGRAM:

The training program under DST-STUTI will mainly focus on the training of high-end instruments used for chemical analysis. This training will be a great learning experience for doctoral students, post-doctoral researchers, and young faculty members. On behalf of the School of Chemistry & Biochemistry and School of Energy & Environment, TIET, Patiala, the organizing committee cordially invites you to participate in the hands-on training of the following instruments:

• GCMS

HRMS

- HPLC
- Fluorescence spectrophotometerUV-Visible spectrophotometer
- NMR ICP •

XRD and SEM

WORKSHOP DETAILS

Eligibility:

The minimum qualification should be Post Graduate (Science/ Pharmacy) or B. Tech. (Technology/ Pharmacy), Faculty Members/Scientists/ Post-Doc Fellows, Ph. D. Fellows, and Industry Personnel actively involved in R&D.

Duration: 7 days

No. of participants: 30 NO REGISTRATION FEE Accommodation, if required, and food will be provided (Not more than 3 people from one Institute will be selected)

LOCATION OF THE WORKS SHOP

Thapar Institute of Engineering and Technology, Patiala

Host Institute Co-ordinators

Dr. Satnam Singh ,Prof. & Head, School of Chemistry & Biochemistry (hscbc@thapar.edu)
Dr. Anoop Verma, Associate Professor & Head, School of Energy & Environment (hsee@thapar.edu)
Thapar Institute of Engineering and Technology, Patiala

CONTACT DETAILS

DST STUTI ICT

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