

Summer Workshop 2026

From Structure to Surface: Hands-on-Training in Advanced Materials Characterization

Organized by

Central Instrumentation Facility
BITS Pilani, Pilani Campus

About the Program:

The Central Instruments Facility (CIF), BITS Pilani, is organizing a six-day Summer Workshop from 1st-6th June 2026. The program is designed to provide participants with a comprehensive understanding of modern analytical and imaging techniques widely used in materials research and industrial applications. Through expert lectures, live demonstrations, and intensive hands-on sessions, participants will gain practical exposure to sophisticated instruments such as XRD, FESEM, XPS, Confocal Microscopy, and AAS. The summer workshop aims to bridge the gap between theoretical concepts and experimental practice by emphasizing sample preparation, data acquisition, spectral interpretation, and advanced data analysis. The program will be highly beneficial for PhD scholars, postgraduate students, and industry researchers seeking to strengthen their knowledge and technical skills in advanced materials characterization.

About CIF, BITS Pilani:

The Central Instrumentation Facility (CIF) houses multiple high-end analytical instruments to facilitate research and teaching. The facility is mainly used for research and training purposes. The facility has two components: Sophisticated Instrument Facility (SIF) and Central Analytical Laboratory (CAL). The details of instruments housed under CIF can be accessed at : [CIF, BITS Pilani, Pilani Campus](#)

INSTRUMENTS COVERED



X-Ray Diffractometer (XRD)



Field Emission Scanning Electron Microscope (FESEM)



X-ray Photoelectron Spectroscopy (XPS)



Confocal Microscopy



Atomic Absorption Spectroscopy

OUTCOME OF THE PROGRAM



Understanding of advanced analytical and imaging techniques



Hands-on experience with sophisticated instruments



Skills in spectral and image data interpretation



Speakers:

Professor, BITS Pilani (TBA)

Resource person from: (TBA)

- Thermofisher Scientific
- Bruker Scientific India
- Toshvin Analytical Pvt. Ltd.
- Carl Zeiss India

Organizing committee:

Convener:

Prof. Prabhat N. Jha
FIC, CIF BITS Pilani
Pilani Campus

Co-convener:

Prof. Atish T Paul
Co-coordinator, SIF
Prof. Surojit Pande
Co-coordinator, CAL

&

Technical & Non-Technical staff of CIF

Register Now

Last date of registration: 25th May, 2026

[Click for Registration](#)

[Click for Accommodation](#)

Limited number of seats are available



June 1-6, 2026



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Rajasthan

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