

# SHIVAJI UNIVERSITY, KOLHAPUR



Estd. - 1962  
NAAC A++ Grade

## Workshop on “Modern Analytical Techniques: Hands on Training for Practical Skills Development”

Organized by

### Common Facility Centre - Sophisticated Analytical Instrumentation Facility (CFC-SAIF-DST Centre), Shivaji University, Kolhapur

Duration: From 16<sup>th</sup> to 21<sup>st</sup> December 2024

#### Course Details

- ❖ CFC-SAIF-DST Centre organizes workshop on “Modern Analytical Techniques: Hands on Training for Practical Skills Development” in order to familiarize UG/PG Students, Research scholars, Faculties & Industry personnel with the fundamental principles and advanced techniques of characterizations.
- ❖ The hands-on training sessions will be arranged to develop practical skills of materials characterizations in the fields of nanotechnology, materials science, and surface characterizations.
- ❖ Sessions will be conducted on how to operate, maintain and interpret data from cutting-edge instruments such as:
  - Transmission Electron Microscope (TEM)
  - X-ray Photoelectron Spectroscopy (XPS)
  - Bio-Atomic Force Microscopy (BIO-AFM)
  - X-ray Diffraction (XRD)
  - Micro-Raman Spectroscopy
  - Gas Chromatography double Mass Spectroscopy- (GCMS-MS)
  - Fourier Transform Infrared Spectroscopy (FTIR)
  - Inductive Coupled Plasma-Optical Emission Spectroscopy (ICP-OES)
  - Thermogravimetric Analysis (TGA) - Differential Thermal Analysis (DTA) - Differential Scanning Calorimetry (DSC)
  - Particle Size Analyzer with zeta potential (PSA)
  - Vector network analyzer (VNA)

#### VENUE

Common Facility Centre  
(CFC-SAIF-DST)  
Shivaji University, Kolhapur

For more information, Please Contact:  
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#### CHIEF PATRONS

**Prof. (Dr.) D. T. Shirke**  
Hon'ble Vice Chancellor,  
Shivaji University, Kolhapur

**Prof. (Dr.) P. S. Patil**  
Hon'ble Pro-Vice Chancellor,  
Shivaji University, Kolhapur

**Dr. V. N. Shinde**  
Registrar,  
Shivaji University, Kolhapur

#### HOD/Coordinator

**Dr. Jyotiprakash B. Yadav**  
CFC-SAIF-DST Centre,  
Shivaji University, Kolhapur

#### Registration Fees :

Students : Rs. 5000 /-

Research Scholar : Rs. 6000 /-

Faculty : Rs. 6000 /-

Industry : Rs. 7000 /-

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