

# SHIVAJI UNIVERSITY, KOLHAPUR

*“Modern Analytical Techniques: Hands on Training for Practical Skills Development”.*

Organized by

**University Science Instrumentation Centre-Common  
facility Centre USIC(CFC),  
Shivaji University, Kolhapur**

**Duration: From 15<sup>th</sup> to 20<sup>th</sup> December 2025**



## Course Details

- ❖ **USIC(CFC)** 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 imbibe 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 Spectrometer- (GCMS-MS)
  - Fourier Transform - Infrared Spectroscopy (FTIR)
  - Inductively 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)

**For Registration: Scan the QR Code** →  
**limited seats are available (50 only)**



### VENUE

**USIC(CFC)  
Shivaji University, Kolhapur**

For more information Contact:

**Mr. Chaitanya Raje : 7020133734**

**Miss. Snehal Bhosale: 8055914097**

E-mail.- [cfc.saif@unishivaji.ac.in](mailto:cfc.saif@unishivaji.ac.in)

## CHIEF PATRONS

**Prof. (Dr.) Suresh Gosavi  
Hon'ble Vice Chancellor,  
Shivaji University, Kolhapur**

**Prof. (Dr.) Jyoti Jadhav  
Hon'ble Pro-Vice Chancellor,  
Shivaji University, Kolhapur**

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

## HEAD

**Dr. Jyotiprakash. B. Yadav  
USIC(CFC),  
Shivaji University, Kolhapur**

**Registration Fees :**

**Students : Rs 4000 /-**

**Group Discount**

**for 25+ participant : Rs 3500 /-**

**for 40+ participant : Rs 3000 /-**