



7 Day hands-on Training Workshop on “Advanced Instrumentation in Materials Science and Technology”

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

Eligibility

- Participant should be Indian Citizen.
- Assistant/associate professors/Professors/Scientists/Post Doc. Fellows/ Ph.D. Fellow and /or B. Tech. students who are actively involved in the field of basic or allied sciences or engineering.
- Industry professionals who are actively involved in R&D

About Shivaji University

Shivaji University, established on 18th November, 1962 has 276 affiliated colleges with 40 post-graduate departments. Recently, accredited with NAAC 'A++' grade with CGPA 3.52 in its forth cycle of reaccreditation 2021. Various science departments of Shivaji University are well equipped with different sophisticated instruments and laboratory infrastructures procured using funds from various funding agencies such as TEQIP I & II, DST-PURSE I & II, DST-FIST I & II, SAIF, UGC-SAP I & II, UGC DRS, MHRD RUSSA Centers for Alternative Medicine, Nanofabric and VLSI Design, DBT-IPLS, RGSTC, Erasmus Mundus+ (EU projects), MHRD-PMNMNTT Centre for Cyber Security & Data Science, DBT-BUILDER etc. STUTI project is sanctioned by DST, New Delhi to SUK worth Rs. 2.25 crore for organizing training programs on various sophisticated instruments.

Supported by

Department of Science and Technology,
Ministry of Science and Technology,
Government of India, New Delhi.

Organized by

“Sophisticated Analytical Instrumentation Facility (SAIF-DST),
Shivaji University, Kolhapur”
Duration: From 5th to 11th December 2022

Special Talk Series with Hands-on Training/Demo on Sophisticated instruments

- Morphological Characterization Technique (TEM, HRTEM, and AFM),
- Compositional Characterization Technique (ICP-OES, GCMS-MS, and XPS),
- Structural Characterization Technique (XRD, Raman, FTIR, Particle Size Analyzer with Zeta Potential, and TGA-DTA-DSC) and
- Antenna Testing & Microwave Application (VNA).

GOAL OF STUTI

- The participants will understand and familiarize with the various sophisticated instruments supported by DST, Govt and other funding agencies.
- The participants will get skill based knowledge about the handling of various sophisticated instruments and characterization techniques and its analysis.
- The participants get acquainted with the sophisticated instruments and characterization tools to design and implement for appropriate strategies for research work.

ABOUT STUTI

STUTI stand for Synergistic Training program Utilizing the Scientific and Technological Infrastructure Program funded by the Department of Science & Technology (DST), Government of India. The Scheme is intended to human resource and its capacity building through open access to S & T Infrastructure across the country by organizing training program on DST supported R&D equipment targeting Scientists/Professors/PhDs and PDFs actively involved in research across various institutions in the country.

COURSE CONTENTS

The main theme of this training program is to get aware of the participants regarding the sophisticated instruments or characterization such as mentioned above. The training program includes theory lectures as well as Demonstration/Hands on Training on the sophisticated instruments throughout the program. Quiz competition will be held on the first and last day as per the course content.

GENERAL INFORMATION

- Registration Kit, Course material, and Certificate of participation with Credit score of Quiz competition will be provided to the participants.
- Local Hospitality (accommodation & Meal) will be provided. The bus/train fare (will be done as per actuals) by the shortest route will be reimbursed to the selected outstation participants.
- Participants are encouraged to bring their samples if any, for hands-on analysis during the program.

REGISTRATION PROCEDURE

- Interested candidates have to fill the online form (link given below) on or before 06/11/2022.
- Candidates will be selected according to eligibility and available seats. The confirmation of selection will be communicated to the selected candidates on 12/11/2022 by email.
- Only 3 participants are allowed from 1 institute or Industry.

No Registration Fees!

Registration Link:

<https://forms.gle/1Dck3pP5b7Gno4UD7>

Last date of Registration: 06/11/2022

Confirmation of Selection: 12/11/2022

ORGANIZING COMMITTEE

PMU Coordinator:

Prof. R. G.
Sonkawade

PMU Co-coordinators:

Dr. T. D. Dongale
Dr. K. D. Pawar

Program Coordinators

- Dr. M. R. Walker (+91-9860861758)
- Mr. A. P. Kamble (+91-9579445036)
- Ms. Aditi Garge
- Ms. Vijaya Ingale
- Ms. Supriya Sathe
- Ms. Gayatri Powar



Email: stuti_dst@unishivaji.ac.in
Website: www.unishivaji.ac.in