

Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

Organizes

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

From 28/11/2022 to 04/12/2022

Supported by

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

In collaboration with

Shivaji University, Kolhapur, Maharashtra.



## About RTM Nagpur University:

The Rashtrasant Tukadoji Maharaj Nagpur University, is one of the premier educational institution of central India. Established since 1923, the premises of University are spread over 373 acres which consist of heritage building, 7 lush green campuses with gardens, enriched biodiversity and spiritual antecedents of Tukadoji Maharaj impetus the academic culture within the University. The University firmly believes, and follows prophecy of Rashtrasant Tukadoji Maharaj who propounds "Hya Bharat Bandhu-Bhav-Nitya Vasu se, de varchasa de" which means may brotherhood prevail in this country, grants us this blessing. As Nagpur being located in the heart of India and has connectivity with every part of the country, RTMNU is preferred by students of other states of the country. For formal learning, the University boasts of 46 Postgraduate Teaching Departments (PGTD) and 3 Constituent Colleges/Institutions, 503 affiliated colleges offering UG, PG, MPhil and PhD courses to more than Four lakh students. All departments have independent buildings which are ICT enabled. Around 8 Science departments are UGC-Special Assistance Program (SAP) and DST\_FIST recognized. The university indulged into academic collaborations with prestigious institutions like IUC-CSR-DAE, New Delhi, Pennsylvania state university, USA, University of Florida, USA, University of Washington, USA to name a few.

**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.

## 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, Nanofabrics and VLSI Design, DBT-IPLS, RGSTC, Erasmus Mundus+ (EU projects), MHRD PMNMTT 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.

## Course Contents:

The main theme of this training program is to aware of the participants regarding the sophisticated instruments or characterization such as Morphological Characterization Technique (SEM), Compositional Characterization Technique (UV/Vis Spectrophotometer, AAS, GC, HPLC etc.) Structural Characterization Technique (XRD, FTIR, Particle Size Analyzer with Zeta Potential, and TGA-DTA), Stereotaxic Apparatus, Operon Chamber, Microdialysis, Cryostat, Florescence Microscope, Hargreaves Apparatus etc. The training program includes theory lectures as well as Demonstration/Hands on Training on the sophisticated instruments throughout the program.

## Goal of STUTI Program:

- The participants will understand and familiarize with the various sophisticated instruments supported by DST, GoI 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.

## Eligibility:

- Participants 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

## Registration Procedure:

- Interested candidates have to fill the online form (link given below) on or before (07/11/2022).
- Candidates will be selected according to eligibility and available seats. The confirmation of selection will be communicated to the selected candidates on (13/11/2022) by email.

## General Information:

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

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

Registration Link: <https://forms.gle/UGx9paLoNqBTBZco9>

Last date of Registration: 7/11/2022

Confirmation of Selection: 13/11/2022



Contact Us: Convener

Dr. Bharat A. Bhanvase (+919850637449)

Email: lithodchemical@gmail.com Website: [www. https://www.nagpuruniversity.ac.in](https://www.nagpuruniversity.ac.in)

## Chief Patron

**Dr. Subhash R. Chaudhari**

Hon'ble Vice Chancellor

## Patrons

**Dr. Sanjay S. Dudhe**

Hon'ble Pro-Vice Chancellor

**Dr. Raju E. Hiwase**

Registrar

**Dr. Prashant B. Maheshwari**

Dean, Science and technology

**Dr. Sanjay D. Kavishwar**

Finance and Accounts Officer

**Dr. Raju B. Mankar**

Director, LIT

## STUTI PMU Coordinator

**Prof. R. G. Sonkawade**

Coordinator, SAIF, Shivaji University, Kolhapur

## Convener

**Dr. Bharat A. Bhanvase**

Director, USIC, RTM Nagpur University

## Co-Conveners

**Dr. S. J. Dhoble**, Professor, Department of Physics, RTMNU, Nagpur

**Dr. Prakash Itankar**, Professor, UDPS and Director of Technology and Energy Park, RTMNU, Nagpur

**Dr. Dadasaheb Kokare**, Professor, UDPS, RTMNU, Nagpur

**Dr. Nishikant Raut**, Professor, UDPS and Director, Department of Life Long Learning and Extension, RTMNU, Nagpur

**Dr. Jayant Modak**, Professor, LIT, RTMNU, Nagpur

## Scientific Program Committee

**Dr. O. P. Chimankar**, Head, Department of Physics, RTMNU, Nagpur

**Dr. Nandkishor Karade**, Head, Department of Chemistry, RTMNU, Nagpur

**Dr. Nilesh Mahajan**, Professor, Dadasaheb Balpande College of Pharmacy, Nagpur

**Dr. Umesh Palikundwar**, Associate Professor, Department of Physics, RTMNU, Nagpur

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

Registration Link: <https://forms.gle/UGx9paLoNqBTBZco9>

Last date of Registration: 7/11/2022

Confirmation of Selection: 13/11/2022

