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One week  
**Synergistic Training program Utilizing the Scientific and Technological Infrastructure (STUTI)**

at

**Indian Institute of Technology Jodhpur**

**( 8-14 August 2022)**

Supported by

**Department of Science and Technology, Ministry of Science and Technology, Government of India, New Delhi**  
**In collaboration with Shivaji University, Kolhapur**



Department of  
Science &  
Technology,  
Government of  
India

सत्यमेव जयते

### About IIT Jodhpur:

Indian Institute of Technology (IIT) Jodhpur is one of the eight new IITs established by Ministry of human Resource Development, Govt. of India in 2008. In 2017 IIT Jodhpur was moved to the permanent campus of 862 acres. From the very beginning of its establishment IIT Jodhpur is contributing significantly in the mulifaced area of basic science, Engineering and technology. IIT Jodhpur was ranked in 43rd place among engineering colleges by the NIRF in 2021. The various departments of IIT Jodhpur are well equipped with different sophisticated instruments and laboratory infrastructures procured using funds from various funding agencies such as SERB, DST-FIST, DBT, MEIT, DRDO, Ministry of Water, Ministry of Ayush, CSIR etc. Apart from departmental facility IIT Jodhpur eatsblished the Centre for Advanced Scientific Equipment (CASE) in 2018. This state-of-the-art central facility housing various latest and advanced instruments which is open to access for external users on a minimal chargeable basis.

### About STUTI:

STUTI stands 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.

### 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.

### Course Content:

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 and AFM), Compositional Characterization Technique (NMR, GC, HPLC, UV-vis Spectrophotometer, Fluorescence Spectrometer, Raman Spectrometer), Structural Characterization Technique (XRD), Thermal analysis (TGA , DSC) etc. The training program includes theory lectures as well as Demonstration/Hands on Training session on the sophisticated instruments.

### Eligibility:

- Ph.D, Master and Bachelor students who are actively involved in the field of basic or applied sciences or engineering.
- Industry professionals who are actively involved in R&D

### Registration Procedure:

Training Registration and hostel accommodation Fee: Free

Travel : 3<sup>rd</sup> AC train support only

Seats: 30

Deadline of registration: 10<sup>th</sup> July 2022

Online link:

The confirmation of selection will be communicated to the selected candidates by email.

### Contact Us:

Prof. Mahesh Kumar (Chairman)

Dr. Jayita Sarkar (Convener)

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