



Department of Physics, University of Kashmir

Organizes

**Synergistic Training Program Utilizing The
Scientific And Technological Infrastructure (STUTI)**

23rd - 29th May 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 Kashmir University

The University of Kashmir is situated at Hazratbal in Srinagar. It is flanked by the world famous Dal Lake on its eastern side and Nigeen Lake on the western side. The Main Campus of the University spread over 247 acres of land. Over the Years University of Kashmir has expanded substantially. It has established Satellite Campuses as South Campus and North Campus and three more Satellite Campuses are being established to make higher education more accessible to people living in remote areas of Kashmir valley. The University has marked towards excellence in its programmes and activities. It has been re-accredited as Grade-A+ University by the National Assessment & Accreditation Council (NAAC) of India. The faculty members of our department carry out research in almost all the major areas of physics. The interests range from experimental to theoretical aspects of High Energy Physics, Nuclear Physics, Astrophysics, Condensed Matter Physics, Radiation Physics, Atmospheric Physics, Neutrino Physics, Nano Physics, and Quantum Computation. Our faculty members collaborate with researchers at the pioneering institutes of the country like Tata Institute of Fundamental Research (TIFR), Mumbai, Inter-University Centre for Astronomy and Astrophysics (IUCAA), Pune, Saha Institute of Nuclear Physics (SINP), Kolkata, Variable Energy Cyclotron Centre (VECC), Kolkata, Inter-University Accelerator Centre (IUAC), New Delhi, and many more.

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 re-accreditation 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, DSTFIST 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 PMMNMTT Centre for Cyber Security & Data Science, DBTBUILDER etc. STUTI projects sanctioned by DST, New Delhi to SUK worth Rs. 2.25 crore for organizing training programs on various sophisticated instruments.

Chief Patron: Professor Talat Ahmad
Vic-Chancellor, University of Kashmir

Convener: Professor M. Farooq Mir
Physics, University of Kashmir, Srinagar

Local Organizing Committee:

Professor Basharat A. Want (Chairman LOC)
Professor Javid A. Sheikh
Professor Gowhar Bashir
Dr. Shakeel Ahmad
Dr. Sajad Masood
Dr. Waseem Bari
Dr. Ghulam Nabi Dar (Organizing Secretary)
Dr. Nissar Ahmad
Dr. Muzaffar Qadir Lone

Course Contents:

The main theme of this training program is to aware of the participants regarding the sophisticated instruments and computational tools used in the field of Physics such as Airflow Imager, Smart Radon Monitor (SRM), Multiparameter water quality Sonde, Particulate Matter Sensor (PM2.5 sampler), High frequency Impedance Analyzer, Vibrating Sample Magnetometer (2.7 T), UV-Vis Spectrophotometer, Differential Scanning Colorimeter (DSC), Texture Analyser, Electrochemical workstation, Microwave Synthesiser and FT-IR, Indian Lightning Network Detector, Electric Field Mill (EMF 100), Gaussian software, Atomistic Toolkit (ATK) and MATLAB. 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, Gol 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
- Research scholars, PhD's, scientists and faculty members actively involved in the field of basic or allied sciences or engineering.
- Industry professionals who are actively involved in R&D
- Intake capacity: 30

Registration Procedure:

- Interested candidates have to fill the online form (link given below) on or before (13/05/2022).
- Candidates will be selected according to eligibility and available seats. The confirmation of selection will be communicated to the selected candidates on (14/05/2022) 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 encouraged to bring their samples if any, for hands on analysis during the program.

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

For Registration go to the Link : <https://forms.gle/nZ2BRGorSKF5Njx68>

OR Scan the code



Last date of Registration: 13/05/2022

Confirmation of Selection: 14/05/2022

Contact Us

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