



Press release

Department of Mechanical Engineering-Indian Institute of Technology Kanpur (IIT-K) is organizing a **High-End Workshop** (कार्यशाला: KARYASHALA) on “**Mechatronics and Microfabrication (MechMicroFab-2022)**” from 05th-15th December 2022. The High-End Workshop (कार्यशाला: KARYASHALA) is funded by the Department of Science and Technology-Science and Engineering Research Board (DST-SERB), Government of India under “**Accelerate Vigyan, Mission- ABHYAAS (अभ्यास: Skill development).**”

This KARYASHALA aims to train the next generation of researchers to adapt and evolve with scientific research and modern technologies in a rapidly transforming global manufacturing scenario. **MechMicroFab-2022** offers a platform for training with basic and advanced control systems, mechatronics, statistical tools, modern manufacturing, and precision micro/nanoscale fabrication technologies. It concentrates on grooming a scientific workforce and creating capable researchers who can participate and contribute to national manufacturing missions such as the **National Mission on Interdisciplinary Cyber-Physical System (NM-ICPS)**. The trained researchers will also complement the motivations of **Skill India (कौशल भारत कुशल भारत)** and **Self-Reliant India (आत्मनिर्भर भारत)**.

The KARYASHALA will be conducted in **offline mode** and is open only for masters and doctoral students from public and private universities/colleges. Applications are invited from scholars all over India. **Women participants are especially encouraged to apply.** A total of **twenty-five scholars** working in the domains of mechatronics and micro/nano-scale manufacturing will be selected and provided with rigorous hands-on training on different research themes. The participants will receive hands-on training on high-end equipment, learn operating protocols, planning and performing experiments, data collection and interpretation, and basic etiquettes to maintain exorbitant precision machining and additive manufacturing systems.



MechMicroFab-2022 is coordinated by **Professor Janakarajan Ramkumar and Dr. Sarvesh Kumar Mishra (Department of Mechanical Engineering - IIT Kanpur)**. The speakers (from and outside IIT-K) will deliver lectures to complement the necessary knowledge-building in various thematic research areas. The details of the lectures and hands-on training sessions are available at <https://bit.ly/3ONdZas>. The workshop ends with a valedictory session on 15th December 2022, concluding the MechMicroFab-2022. Participants will receive a hands-on training certificate on successful completion of the KARYASHALA.

DST-SERB Karyashala
MECHATRONICS & MICROFABRICATION
05 - 15 DECEMBER 2022

MechMicroFab-2022
Organized By
Department of Mechanical Engineering
Indian Institute of Technology Kanpur

DST-SERB : Karyashala
Hands-On Training Workshop
On
MECHATRONICS & MICROFABRICATION
DECEMBER 5-15, 2022

Registration OPEN
Secure your seats now!

OUR SPEAKERS

- Prof. Janakarajan Ramkumar
- Dr. Amandeep Singh
- Dr. Jitendra Bhasikar
- Dr. Kevel Ramani
- Dr. Virkeshwar Kumar
- Dr. Sarvesh Mishra
- Dr. Mahavir Negi
- Dr. Vyom Sharma
- Dr. Prithviraj Mukhopadhyay
- Ms. Jyoti Yadav

DISCUSSION & INSIGHTS

- Micro Nano Fabrication
- Micro ECM
- Design of Experiments
- Metal Additive Manuf.
- Laser Micro Texturing
- Statistical Analysis

✓ Lectures
✓ Hands on tutorials
✓ Research seminars

Primarily for PG students from universities & colleges
Course & Registration Fee: NIL

MechMicroFab-2022
For more information please visit or contact us:
<https://bit.ly/3XcsW6x> **+91 874-002-1381**