



**Indian Nanoelectronics Users Programme -
Idea to Innovation (INUP-i2i)**

**School of Nano Science and
Technology, IIT Kharagpur**

INUP-i2i

Online Familiarization Workshop

On Nanofabrication and
Characterization



INUP i2i



Vision

INUP-i2i program is developed to facilitate and support the generation of expertise in Nanoelectronics through participation and utilization of the facilities at Nano-centers at IISc Bangalore, IIT Bombay, IIT Delhi, IIT Kharagpur, IIT Madras and IIT Guwahati. The programme is supported by Ministry of Electronics and Information Technology (MeitY).



Objectives

- Provide training to **External Researchers** through **Familiarization Workshops** and **Hands-on Training** covering different aspects of nanoelectronics.
- Provide ACCESS and SUPPORT of **FABRICATION** and **CHARACTERIZATIONS** facility at IIT Kharagpur to **External Researchers** to carry out their research work.
- Encourage and Promote **Collaborative** Research Activities between IIT Kharagpur and other Academic Institutes.
- Promote innovation: **Hackathon Grand Challenge**.
- SUPPORT Start-Ups.



COMING
EVENT

INUP-i2i Online Familiarization
Workshop on Nanofabrication
and Characterization

February 08-10,2023

MODALITY:Online

Registration is free!

Registration Link:

<http://inup.iitkgp.ac.in/inup/>

Associated Members

- Prof Samit Kumar Ray
- Prof Tarun Kanti Bhattacharyya
- Prof Soumen Das

- Prof Subhasish Basu Majumder
- Prof Dipak Kumar Goswami
- Prof Prasanta Kumar Guha

- Prof Shivakiran B N Bhaktha
- Prof Ayan Roy Chaudhuri



Implementation of Research Projects

01

Medium Term
(3-24 months)



02

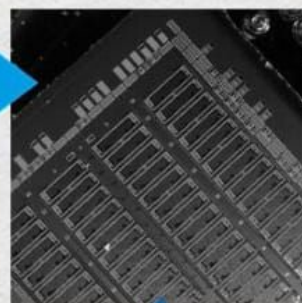
Short Term
(0-3 months)



Training Workshops

03

Hands-on
(8-10 days)



04

Familiarization
Online/Face to
Face (2-3 days)

Lectures and Research Facilities:

- Lithography Process
- Micro/Nano Fabrication
- Device/ Material Characterization
- Nanoelectronics Applications:
Optoelectronics, Healthcare, Sensors, Energy & Environment

Hackathon Grand Challenge



Proposal Submission
from individual
Researcher

Proposal Selection

Research work
implementation at
IITKGP

Start-Up
Support



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