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

School of Nano Science and
Technology, IIT Kharagpur

INUP-i2i Familiarization Workshop On Nanofabrication and Characterizations



INUP-i2i Familiarization Workshop on Nanofabrication and Characterizations



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 Familiarization WORKSHOP

On Nanofabrication and
Characterizations

(August 10th - 12th, 2022)

MODALITY: In-person (Physical)

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



Training Workshops

01

Medium Term
(3-24 months)



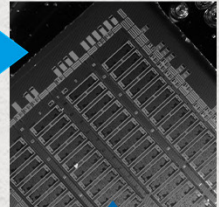
02

Short Term
(0-3 months)



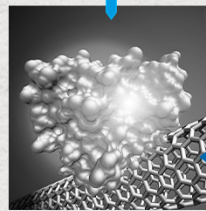
03

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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