

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

School of Nano Science and Technology, IIT Kharagpur



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 program is supported by Ministry of Electronics and Information Technology (MeitY).

Coming Event:

On-line Familiarization WORKSHOP (Feb 10-12)

Registration:
inup.iitkgp.ac.in

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

Contact

Dr. Anupam Midya

Dr. Rabaya Basori

School of Nano Science and Technology,
IIT Kharagpur, Kharagpur,
West Bengal, India- 721302

E-mail: inup.iitkgp@gmail.com

Tel: 03222 284980

M- 8900266880, 9475654051

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 **CHARACTERIZATION** facility at IIT Kharagpur to **External Researchers** to carry out their research work.
- ✓ Encourage and Promote **Collaborative Research Activity** between IIT Kharagpur and other Academic Institutes.
- ✓ Promote innovation: **Hackathon Grand Challenge**.
- ✓ SUPPORT **Start-Ups**.

Implementation of Research Projects

Medium Term
(>3 months)

Short Term
(0-3 months)

Training Workshops

Hands-on
(8-10 days)

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

Proposal submission
from individual
researcher
Proposal Selection
Research work
implementation at
IITKGP

Grand Challenge

Start-Up Support

