



Ministry of Electronics &  
Information Technology,  
Government of India

# INUP - i2i

Indian Nanoelectronics Users' Programme – Idea to Innovation  
A project of MeitY, Govt. of India



## Organizing committee

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## INUP- i2i Hands-on Training Workshop on Fabrication and Characterization of 2D MoS<sub>2</sub> Transistor

October 09 - 18, 2023 IIT Bombay

<http://www.inup.iitb.ac.in>

The Ministry of Electronics and Information Technology (MeitY), Govt. of India has initiated the “Indian Nanoelectronics Users’ Programme – Idea to Innovation (INUP-i2i)” to open up the nanocentres at IITD, IITG, IITKgp and IITM after the huge success of INUP program at IISc and IITB for the last two decades. INUP-i2i has been initiated to extend the facilities available at nanocentres for research and process/product development to researchers across the country. INUP-i2i provides support (fabrication/characterization cost, travel and stay) for the researchers from academia to execute their work at these Centres. The full description of the INUP-i2i programme and available facilities can be seen on the website [www.inup.iitb.ac.in](http://www.inup.iitb.ac.in). The purpose of this workshop is to offer hands-on training to the prospective external users of IITBNF facilities at IITB.

The “Hands-on Training” takes a trainee through various modules of nanofabrication/characterization/simulation. This workshop will focus on the fabrication of 2D MoS<sub>2</sub> Transistor. The different training steps include; plasma cleaning, exfoliation, lithography, metal deposition and lift off subsequently followed by characterization of the fabricated devices. The participants will also have an opportunity to explore different fabrication and characterization facilities at IITBNF.

Online applications are invited from interested researchers from academia for the participation in this workshop, in the prescribed registration form (as per the details provided below). While selecting the participants, preference will be given to those faculty members/students who are implementing/have submitted R&D projects under INUP-i2i at IITBNF. If you have not yet submitted any proposal to INUP-i2i and have an innovative idea, you are invited to submit a complete proposal in the prescribed format, which is available at [www.inup.iitb.ac.in](http://www.inup.iitb.ac.in).

Participants would be supported for travel at actuals, subject to the limit of 3-tier AC train fare, on request for the shortest route from the place of work to IIT Bombay and back. Please note that travel support does not include tatkal fare and also Rajadhani, Duronto and Premium train fare. Accommodation and food would be taken care of.

### Important Dates:

Registration deadline : August 31<sup>st</sup>, 2023

Confirmation of selection : September 5<sup>th</sup>, 2023

TO REGISTER YOURSELF, PLEASE [CLICK HERE](#)

If you have not registered on the INUP-i2i common portal ([http://www.inup-i2i.in/inup\\_wrapper/register.php](http://www.inup-i2i.in/inup_wrapper/register.php)), please register before you submit the application for attending the hands-on training workshop.