Ministry of Electronics & Information Technology, Government of India

INUP i2i @iit-g Centre for Nanotechnology

List of selected participants whose project proposals are approved under INUP-i2i 2022-23 program

SL.NO	NAME	INSTITUTION	TITLE OF PROPOSAL
1	ADIBA	ALIGARH MUSLIM UNIVERSITY	Energy Storage and Hydrogen Generation using NiO films grown through Sputtering
2	AMGITH G. S.	CENTRAL UNIVERSITY OF GUJARAT, GANDHINAGAR	Graphene Oxide-Based Fet Gas Sensor Fabrication
3	ARCHITA GOSWAMI	TEZPUR UNIVERSITY, ASSAM	Control crystallization of drug molecules on Self-assembled Monolayers (smooth and patterned gold surfaces)
4	ARPITA ROY	TEZPUR UNIVERSITY, ASSAM	Fabrication and electrical characterization of a WS2 FET with polymer dielectric
5	BIMOLJIT CHANAM	IIIT MANIPUR	The study of the ZnO nanostructured photodetector
6	BORISH MOIRANGTHEM	NATIONAL INSTITUTE OF TECHNOLOGY NAGALAND	To study the Non-Volatile Memory characteristics of trilayer ZnO/HfO2/ZnO based devices
7	DEEPAK JYOTI DEURI	NOWGONG COLLEGE, ASSAM	Lignin based tribo electric generator for energy harvesting and self powered monitoring devices
8	DHANRAJ NAGESHWAR AEPURWAR	VIVEKANAND COLLEGE AURANGABAD	Lithium doped Nickel Copper Ferrite for high crystalline Electrode Material for Energy Storage Devices
9	HEMANT ARORA	IIT ROORKEE	Synthesis of transition metal doped silicon nanowires for above room temperature spin field effect transistor
10	HEMANT KUMARI DEWANGAN	NATIONAL INSTITUTE OF TECHNOLOGY MEGHALAYA	Investigation and Characterization of Electrical and Optical properties of β-Ga2O3 for Application of RF Mixers
11	JYOTIM GOGOI	CENTRAL AGRICULTURAL UNIVERSITY, MANIPUR	Evaluation of Stability and Antimicrobial Activity of Nano-capsulated Bordeaux Mixture (nBM/BC) Loaded Chitosan Hydrogel against Plant Pathogens and Insect Pests
12	KSHETRIMAYUM DINESH SINGH	DHANAMANJURI UNIVERSITY, MANIPUR	Vertically aligned Ti3C2Tx-MXene/PANi/ composite electrode for supercapacitor application
13	MANISH KUMAR SINGH	BIT MESRA	Synthesis and characterisation of molybdenum ditelluride via chemical vapor deposition for opto-electronic application
14	MEGHA PRAJAPATI	INDIRA GANDHI DELHI TECHNICAL UNIVERSITY FOR WOMEN, DELHI	Synthesis and investigations on MOF and their derived structures for high-performance Supercapacitor

15	MUSKAN JAIN	PANDIT DEENDAYAL ENERGY UNIVERSITY, GUJARAT	Development of memristor device for synaptic applications.
16	NEHA KAPILA SHARMA	IK GUJRAL PUNJAB TECHNICAL UNIVERSITY, PUNJAB	Simulation and Fabrication of Perovskite Solar Cell device.
17	NIPOM SEKHAR DAS	NATIONAL INSTITUTE OF TECHNOLOGY SILCHAR	Non-volatile resistive memory device application based on 2D grapheme/transition metal dichalcogenides embedded polymer nanocomposites
18	PH. NONGLEN MEITEI	NATIONAL INSTITUTE OF TECHNOLOGY NAGALAND	The effect of annealing and electrode junction on 2D TiO2/Gd2O3 nanostructure for UV Photodetector Applications
19	PRACHURYYA SUBASH DAS	TEZPUR UNIVERSITY, ASSAM	Fabrication and Characterization of Ag /TiO2 /Egg Albumin /ITO Memristors for VLSI Applications
20	RAJIB BASUMATARY	BODOLAND UNIVERSITY, ASSAM	Synthesis of Mn doped CeO2 Sample for memory device applications
21	REKHA P. P.	ANDHRA UNIVERSITY	Synthesis and study of SrGO and rGO based nanocomposite
22	SAPAM BIKESH	NATIONAL INSTITUTE OF TECHNOLOGY MANIPUR	Electrospun PEDOT:PSS/PEO Nano-fibers used in conjunction with Ag decorated WO3 for the sensitive detection of Nitrogen Dioxide
23	SHARIQUE ALI ASGHAR	IIT KHARAGPUR	Graphene-based microelectrode array and photovoltaic devices for retinal prosthesis application
24	SHREE RANJINI H K	CENTRAL UNIVERSITY OF GUJARAT	Tungsten Oxide Based FET-Type Gas Sensor For Detection Of Methane
25	TRUPTI TANAYA MISHRA	C.V. RAMAN GLOBAL UNIVERSITY, BHUBANESWAR	Development of transition metal chalcogenides (TMChs) based electrode materials for supercapacitor and photocapacitor applications.
26	UTKARSH KUMAR SINGH	DRDO - DIAT	Design, Fabrication and Characterisation of Dynamical Polarisation Mode Convertor on SO
27	RAVI CHANDRA GURRALA	ANDHRA UNIVERSITY	Green synthesis of Ag-Au bimetallic nanomaterials using andrographis paniculata leaf extract: colorimetric sensors applications, antibacterial & anticancer activity