



**List of selected participants whose project proposals are approved under INUP-i2i 2021-22 program**

S. No.	Name of the participants	Title of the proposal	Institute/Organisation
1.	Mandira Biswas	BaTiO <sub>3</sub> -Ga <sub>2</sub> O <sub>3</sub> thin films as a gas-sensitive material for acetone detection	NIT Meghalaya
2.	Dariskhem Pyngrope	Heterojunction super schottky PdCoO <sub>2</sub> /b-Ga <sub>2</sub> O <sub>3</sub> for UV detection	NIT Meghalaya
3.	Hiramonni Khatun	Development of piezoelectric nanogenerator to harvest energy from cardiac motion to power a pacemaker	Gauhati University
4.	Venkaiiah Malapati	Silicon schottky photodetectors for telecom wavelength regime	VFSTR, Guntur, AP
5.	Manisha Kumari	Transparent electronic skin of ZnO nanowire	BITS, Meshra, Patna
6.	Pankaj Kumar Kushwaha	Transition metal-doped SnO <sub>2</sub> for Perovskite Solar Cells	Mahatma Gandhi Central University, Bihar
7.	Kamalesh Tripathy	High-performance PBASE functionalized GFET fabrication for biosensing applications	IISER Bhopal
8.	Apurba Das	Electrical properties of biomaterials	DK College
9.	Tamanna Bhuyan	Targeting multicellular tumor spheroids with biogenic microbots	USTM, Meghalaya
10.	Ravi Chandra Gurrala	Green synthesis of Ag-Au bimetallic nanomaterials using andrographis paniculata leaf extract: colorimetric sensors applications, antibacterial & anticancer activity.	ANDHRA UNIVERSITY, VISAKHAPATNAM.
11.	Abhyavartin Selvam	Noninvasive point-of-care-testing of cervical cancer using microfluidic device	AMITY University, Noida, UP
12.	G. Kusuma Priya	Rare earth doped BaTiO <sub>3</sub> bulk & thin film for electrical, opto- electronics, energy storage applications	Government College, Anantapur
13.	Shivakumar Chedurupalli	Magnet-free circulator based on micro electro mechanical system (MEMS) devices for full-duplex applications	CASEST, University of Hyderabad

14.	Alla Padmakar	Ni-Cr nano coatings for high temperature electro-magnetic shielding	AUCE, Visakhapatnam
15.	Beerneedi Swarna Latha	Fabrication of MWCNT functionalized nano-sized barium hexaferrite doped with noble metals for microwave absorption Studies	ANDHRA UNIVERSITY
16.	Samuel Talari	Development and fabrication of luminescent nano electronic device (White LED) from lanthanide and Ce co-doped nanostructured thin films	GMR Institute of Technology, Andhra Pradesh
17.	Alapati Tejoamareswar	MWCNT's reinforced Al <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> Coatings for corrosion resistance in electronic applications	AUCE, Visakhapatnam
18.	Manjisa Choudhury	A SERS-based lateral flow assay biosensor for detection of Porcine Circovirus 2	Sri Sankaradeva Nethralaya, Guwahati
19.	Manipatruni Jaisimha	Fabrication and characterisation of microfluidic flow battery based on rGO/MnO <sub>2</sub> /PANI as electroactive nanofluid for on-chip applications	Andhra University College of Engineering
20.	Jinigi Premchand	Polypyrrole/polyaniline composite film based gas sensor for NH <sub>3</sub> detection	
21.	Gyan Prakash Kumar	Fabrication of graphene/graphene oxide based micro-supercapacitors for flexible and on-chip energy storage	Mahatma Gandhi Central University, Motihari, BIHAR
22.	Bonige Kishore Babu	Fabrication of graphene functionalized nano-sized strontium hexaferrite for EMI applications	AU COLLEGE OF ENGINEERING, ANDHRA UNIVERSITY, VISAKHAPATNAM, ANDHRA PRADESH
23.	Sujata Deb	Fabrication and Characterization of nano-electronic devices (FETs/Diodes) using zinc chalcogenides/reduced graphene oxide (rGO) nanocomposites	Royal Global University

24.	Rakesh Kumar Prasad	Plasmonically enhanced ultrasensitive fast photodetector based on mono-layered two –dimensional materials	BIRLA INSTITUTE OF TECHNOLOGY
25.	Veera Jogi Satya Nagendra Prasad	Biocompatible silver-ZrO <sub>2</sub> -TiO <sub>2</sub> nanocomposite coatings by using RF Magnetron Sputtering	Yogi Vemana University, Kadapa, AP
26.	Shilpi Kumari	Graphitic carbon nitride based high performance OFET_	Birla Institute of Technology, Mesra, Ranchi, Jharkhand
27.	G. Muthaiah	Development of self nanoemulsifying drug delivery systems for natural anticancer agents for better efficacy and pharmacokinetics	RGUKT A.P. NUZVID IIIT
28.	Chiranjit Chaliha	Piezoelectric ceramics emphasized on KNN ceramic	NIT Manipur
29.	Thongam Ningthouba Singh	Material science, ferrites	NIT Manipur
30.	P.N.V.V.L. Pramila Rani	New fabrication of biomimic amino acid chitosan nanocomposite hydrogels Mechanical, structural investigations and applications encompass scaffold biomaterial	Narasaraopeta Engineering College
31.	Manish Kumar Singh	Synthesis and characterisation of molybdenum ditelluride via chemical vapor deposition for opto-electronic application	BIRLA INSTITUTE OF TECHNOLOGY, MESRA, JHARKHAND
32.	Sunku Sreedhar	Microfluidic lab on chip fabrication for detection of bio samples using surface enhanced Raman spectroscopy (SERS).	Madanapalle Institute of Technology and Science, Chittoor, Andhra Pradesh
33.	Himanshu Sharma	Heterogenous functionalized templates preparation for crystallization	Tezpur University