

# Bright Idea Competition

Organised by

DSIR-Tepp Outreach Cum Cluster Innovation Centre (TOCIC)  
IIT Guwahati

and

DSIR-TOCIC, Sri Padmavati Mahila Visvavidyalayam, Tirupati

In association with

BITS Pilani

Supported by

Department of Scientific & Industrial Research (DSIR)  
Ministry of Science & Technology, Govt. of India

Venue: BITS Pilani, Pilani Campus (online),  
Platform supported by BITS Pilani

Date & Time: January 23, 2021 from 2:30 PM to 5:00 PM

## Panel 1

**Chairman** Prof. P. Uma Maheswari Devi, Coordinator, TOCIC, SPMVV - Tirupati

### Expert from IIT Guwahati

Prof. Chandan Das, Department of Chemical Engineering, IIT Guwahati

### Experts from BITS Pilani

Prof Suresh Gupta, Department of Chemical Engineering

Prof Anupam Singhal, Department of Civil Engineering

**BITS – Coordinator** Prof Pratik N Sheth, Department of Chemical Engineering

Google Meet link: <https://meet.google.com/vjt-ihax-czi>

### List of Participants

| S. No. | Name                 | Title of the Proposal   |
|--------|----------------------|---|
| 1      | Isha Dogra           | The Unwaster  |
| 2      | Lakshit Mittal       | Designing and Manufacturing of An Optimal Battery Pack  |
| 3      | Vibgyor R Singhvi    | Development of Decentralized Wastewater Treatment Systems for Recycling of Water and Economic Benefits  |
| 4      | Siddhartha Shandilya | Enhancement of Thermal Efficiency of Burner by Enhancing Design of Gas Burner                           |
| 5      | Jainim Shah          | Solar Umbrella  |
| 6      | Parth Saboo          | Hyper-Local Solar-Powered Garbage-Collector Autonomous Robot  |
| 7      | Ashish Kumar Verma   | Design and Development of Frequency Selective Surfaces for Sensing the Contaminations of Drinking Water |

## Panel 2

**Chairman** Prof Sukhomay Pal, Coordinator, TOCIC, IIT Guwahati

**Expert from IIT Guwahati**

**Experts from BITS Pilani**

Prof M S Dasgupta, Department of Mechanical Engineering,

Prof Navneet Gupta, Department of Electrical and Electronics,

**BITS – Coordinator** Dr Tufan Chandra Bera, Department of Mechanical Engineering

Google Meet link: <https://meet.google.com/mjn-gwsx-irt?hs=122&authuser=0>

**List of Participants**

| S. No. | Name              | Title of the Proposal  |
|--------|-------------------|--|
| 1      | Aditya Patel      | Indigenously designed Human-Powered Vehicle.                               |
| 2      | Sanchit Tiwari    | Astra'(Automated Solution for Transportation in Remote Area)               |
| 3      | Sarthak Mahapatra | IOT based Smart Charging Socket for Electric Vehicles                      |
| 4      | Dev Anand Gupta   | Designing and Manufacturing of Urban-Concept 100% Ethanol-run car          |
| 5      | Vyom Chaturvedi   | Sustainable Space Cooling Solution   |
| 6      | Swapnil Padhi     | Designing & Manufacturing Of Electric Prototype Vehicle                    |
| 7      | Neil Eapen Ninan  | Early Pneumonia Detection Using Machine Learning from Chest Thermal Images |