

# INNOVATHON 2019

## List of Received Proposals

Date: 27/08/2019

<b>Project Sl. No.</b>	<b>Project Title</b>	<b>Estimated Budget (in INR)</b>	<b>Investigators</b>	<b>Contact Number</b>	<b>Email ID</b>
1	Development of Low-Cost Fully-Biodegradable Plastic-Bamboo Board for Structural Applications	1,00,000	Dr. Kishore Debnath	9402102378	debnath.iitr@gmail.com
2	Pedal Operated Paddy Thresher cum Winnowing	50,000 to 60,000 approx.	Zeyauallah Ansari	9402102394	pallekonda@nitm.ac.in
3	Road Congestion Detection and Automatic Traffic Control System for Narrow Roads in Shillong	13,000	Sidharth Agarwal	9402102394	pallekonda@nitm.ac.in
4	Automated Greenhouse	30,000	1. Shubham Chang 2. Kishan Lal	9402102394	pallekonda@nitm.ac.in
5	Development and Characterization of Ternary Blended Geopolymer Concrete: A Sustainable Material for Green Construction Technology	50,000	Dr. Dibyendu Adak	9485185939	dadak@nitm.ac.in
6	Design and Fabrication of Hand Powered Grain Segregator	27,000	Dr. Maneswar Rahang	9402102355	maneswar_rahang@nitm.ac.in
7	Development of Training Model for the Tomato Disease Diagnosis in Meghalaya State Using Machine Learning Techniques	1,00,000	Dr. P. Mercy Nesa Rani		mercyranip@gmail.com
8	Design and Fabrication of Foot Powered Grain Segregator	29,700	Dr. Maneswar Rahang	9402102355	maneswar_rahang@nitm.ac.in
9	Design and Fabrication of Grain Dryer Machine	38,500	Dr. Maneswar Rahang	9402102355	maneswar_rahang@nitm.ac.in
10	Skill-oriented training of youths for addressing day-to-day computer usage problems	10 Lakhs approx.	Dr. Alok Chakrabarty	9485177008	alok.chakrabarty@nitm.ac.in
11	DPR for Aerial Ropeway Transportation in Shillong	1,00,000	Mohammed Omar Farooque	9922696417	omarakola@gmail.com
12	Using quadcopter for emergency situations and natural calamities	25,500 to 30,000	1. Harshit Sagar 2. RitikLote 3. Vineet Malewar 4. Kartikey Gupta	8287752883	harshitsagar77045@gmail.com
13	Cloud-Assisted Hybrid Renewable Energy Sources for Water and Electricity Supply in Rural Region	75,000	V. Hemanth	9720858795	vallehemanth007@gmail.com
14	Master Node Design for Wireless	1,10,000	Dr.Ksh Milan	9402102	milan.singh@nitm.ac.in

	Body Area Network (WBAN)		Singh	390	c.in
15	Design and Implementation of Chaos based Secure Communication of Official Landline System in the North East Region	1,80,000	Dr. Piyush Pratap Singh	9485177065	piyushpratap.singh@nitm.ac.in
16	Differentiating Rooftop Rainwater Harvesting	30,000	Dr.Susmita Sharma	9402102414	susmita.sharma4@nitm.ac.in
17	Lakshyam Jal- The Water Filtration System	32,000	Dr.Susmita Sharma	9402102414	susmita.sharma4@nitm.ac.in
18	Smart Road Safety and Vehicle Accident Prevention System for Mountain Roads	12,000-15,000	Dr.Shubhankar Majumdar	9485186003	shub@nitm.ac.in
19	Smart Blind Stick	4,000	Shubham Anand; Govind Kumar; Pankaj Goyal Mentor: Dr.Shubhankar Majumdar	9485186003; 6001197185	shub@nitm.ac.in; anandshubhamcool@gmail.com
20	Power theft detection & Real-time monitoring of power consumption using IoT	25,000	Govind Kumar; Shubham Anand and Pankaj Goyal	8789400122	govindkumar3006@gmail.com
21	Smart Agro Modular System	35,000 approx.	Priyesh Singh	9454364106	b17ec028@nitm.ac.in
22	Conversion of solar energy to extract water from underground	20,000	1. Pragati Kumari 2. Shalini Kumari	9102350771	Pragati7294@gmail.com
23	Smart Dustbin with IOT notifications	8000-12000	Dr.Shubhankar Majumdar; Muskan Jaiswal	9485186003	shub@nitm.ac.in
24	Solar thermal collection system for room heating and drying application with integrated thermal management unit	1,00,000	Parag Jyoti Bezbaruah Mentor: Dr. Rajat Subhra Das	9402102380	rajatsubhra@nitm.ac.in
25	Migrateasy	18,000	Pankaj Goyal	7895768890	galupankajgoyal@gmail.com
26	Rainproof Bench	5,000	Dr.Shubhankar Majumdar	6001197185	anandshubhamcool@gmail.com
27	A self sustained multiple Sensor IoT based Landslide detector early warning system	16,050	1. Akash Gusain 2. Sourav Paul	7628976110 8729959600	souravpaul1998@gmail.com aakashgusain11@gmail.com
28	Prototyping of Axial Flux Permanent Magnet Synchronous Motor for Commercially Available Electric Bicycle	80,000 approx.	1. Robin Wilson 2. Rakesh Roy	8156921796 9485177026	robinwilson888@gmail.com royrakesh@nitm.ac.in
29	A portable wind-hydro hybrid electronic charger targeted outdoor activities and military applications	12,220	1. Chirag Roy 2. Prasanjit Dey	8837356889 9856659386	chiragroy1281998@gmail.com prasanjitjavi023@gmail.com
30	Wireless Control of Electric	75,000	1. Rakesh Roy	9485177	royrakesh@nitm.ac.in

	Bicycle using Android Mobile Application		2. Seemala Saiteja 3. Royal Sutnga 4. Johnyborn Roy Shylla	026	l.com
31	Coding Bootcamp for Meghalaya	9,40,000	1. Phrangboklang L Thangkhiew 2. Bernard Nongpoh	8837414588 8014766498	phrangboklang@gmail.com Bernard.nongpoh@gmail.com
32	Pedal & Solar operated paddy thresher cum winnower	97,000	Zeyullah Ansari		zeyullahansari@nitm.ac.in
33	Ground improvement using Waste Plastic coated Bamboo Grid (WPBG) reinforced soils	1,00,000	Dr. Smrutirekha Sahoo	9402102410	smrutirekha.sahoo@nitm.ac.in