Letter/File No. LBRCE/CIIE/MSME.Hackthon2.0/1.0   Date:05-12-2022

MSME Idea Hackathon 2.0

Constitution of Lakireddy Bali Reddy College of Engineering Screening & Evaluation Committee

A committee comprising of the following members from different expert areas is constituted to evaluate and shortlist the potential ideas received in MSME Idea Hackathon 2.0 (as per the guidelines of MSME Innovative Scheme and guidelines for participation in MSME Idea Hackathon 2.0 & mandate) organized between 2nd October 2022 – 14th November 2022 by Ministry of MSME for further uploading on the MSME Innovative MIS Portal.

S. No.	Expert Category (Entrepreneur, Academician, Sector Expert, Tech. Expert....)	Name, Designation & Organization
1	Host Institute Head	Dr.K.Appa Rao Principal Lakireddy Bali Reddy College of Engineering Mylavaram, Krishna Dt., Andhra Pradesh
2	BI In charge	Dr.A.Narendra Babu Convenor, Centre for Innovation, Incubation and Entrepreneurship, Lakireddy Bali Reddy College of Engineering Mylavaram, Krishna Dt., Andhra Pradesh
3	Tech Expert	Dr.P.Lovraj Head and Professor, Department of Aerospace Lakireddy Bali Reddy College of Engineering Mylavaram, Krishna Dt., Andhra Pradesh
4	Expert	Dr Komaragiri Raghava Rao **Professor, Computer Science and Engineering,** Koneru Lakshmaiah Education Foundation Tadepalli, Guntur District, Andhra Pradesh
5	Academician	Dr. Gummadi SrinivasaRao ARIIA/IIC Coordinator Velagapudi Ramakrishna Siddhartha Engineering College,Kanuru, Vijayawada, Andhra Pradesh
6	Sector Expert	Dr.E.V.Krishna Rao, Dean Research and Development Lakireddy Bali Reddy College of Engineering Mylavaram, Krishna Dt., Andhra Pradesh
7	Expert	Dr.T.Satyanarayana Professor, Department of ECE Lakireddy Bali Reddy College of Engineering Mylavaram, Krishna Dt., Andhra Pradesh

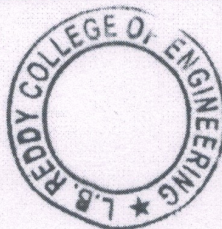*(Signature of the Head of the Institute)*

1. Details of all ideas received at HI Level in MSME Idea Hackathon 2.0 as per the following Format.

S. No	Reference No.	Title of Idea
1	INC22BAP012458	Oxygen Management Alarm
2	INC22BAP017169	Intra-Hospital Medical Hauler System Using UAV
3	INC22BAP016004	Smart Waste Management using IOT Applications
4	INC22BAP016757	Smart cart a RFID based shopping trolley
5	INC22BAP015924	Advance Fast Charger for Electric Vehicle
6	INC22BAP017267	Insect Detection in Cotton Fields in and around Mylavaram and Providing Remedies to Farmers
7	INC22BAP016128	A novel device to test soil condition used for smart organic farming
8	INC22BAP017531	Smart Diagnostic/Restorative Battery Management System for Lithium-Ion Battery Pack
9	INC22BAP017588	Time Management for Automatic Load Shedding using IOT
10	INC22BAP015945	ARDUINO based Solar Powered Battery Charging System for Rural Solar Residency
11	INC22BAP015553	Multilevel Universal electric Vehicle Charger Based On Novelconverter topology With Sliding Mode Controller
12	INC22BAP016958	A hybrid AI-based image analyzing web application for Breast Cancer Identification, Classification, and Segmentation on different screening modalities.
13	INC22BAP017791	EFFECTIVE UTILIZATION OF WASTE GEOPOLYMER FLYASH BASED BRICKS EMBEDDED WITH PHASE CHANGE MATERIAL FOR THERMAL COMFORT, ENERGY SAVINGS IN BUILDINGS
14	INC22BAP012390	Stress detection and reduction
15	INC22BAP017259	Collar helmet for bike riders
16	INC22BAP015979	Sustainable HIVE
17	INC22BAP016790	Setting up an EV charging station Based on Novel Converter Topology with Sliding Mode Controller
18	INC22BAP016441	Agro android app - AI Based Multi Service Solutions for Agriculture
19	INC22BAP016146	Farmers Help Desk
20	INC22BAP017380	Severity-based Analysis, Classification and Prediction of Road Accidents using Hybrid Deep Learning Algorithms
21	INC22BAP017142	Aqua Oxidizer
22	INC22BAP017308	GSPOT Toxic gas spotter using IoT for garbage collectors
23	INC22BAP018296	Automatic covid protocols based human entry check system
24	INC22BAP017813	AI Integrated Pesticide Spraying Robot and Crop Management System
25	INC22BAP018030	Low-cost advanced mandibular device for obstructive sleep apnea
26	INC22BAP016356	An IOT based real time remote patient monitoring system.

		GEOPOLYMER FLYASH BASED BRICKS EMBEDDED WITH PHASE CHANGE MATERIAL FOR THERMAL COMFORT, ENERGY SAVINGS IN BUILDINGS	Recommended	
14	INC22BAP012390	Stress detection and reduction	Recommended	Stress Relief - Good Idea
15	INC22BAP017259	Collar helmet for bike riders	Recommended	Good Innovation
16	INC22BAP015979	Sustainable HIVE	Not Recommended	No Innovation
17	INC22BAP016790	Setting up an EV charging station Based on Novel Converter Topology with Sliding Mode Controller	Recommended	EV Charging Station-Good idea
18	INC22BAP016441	Agro android app - AI Based Multi Service Solutions for Agriculture	Not Recommended	No Innovation
19	INC22BAP016146	Farmers Help Desk	Not Recommended	No Innovation
20	INC22BAP017380	Severity-based Analysis, Classification and Prediction of Road Accidents using Hybrid Deep Learning Algorithms	Recommended	Avoiding Road Accidents
21	INC22BAP017142	Aqua Oxidizer	Recommended	Oxygen supply to under farming
22	INC22BAP017308	GSPOT Toxic gas spotter using IoT for garbage collectors	Recommended	Toxic gas detection
23	INC22BAP018296	Automatic covid protocols based human entry check system	Not Recommended	No Innovation
24	INC22BAP017813	AI Integrated Pesticide Spraying Robot and Crop Management System	Recommended	Spraying Fertilizers using advanced Robot
25	INC22BAP018030	Low-cost advanced mandibular device for obstructive sleep apnea	Recommended	Controlling Sleep Apnea
26	INC22BAP016356	An IOT based real time remote patient monitoring system.	Not Recommended	No Innovation
27	INC22BAP016562	Android Application for Agro Commune	Not Recommended	Not a product
28	INC22BAP017223	Semi-automatic fire extinguisher and lifter	Recommended	Control Fire Accidents
29	INC22BAP016198	Design and development of Electronic Controls for enhancing the rural handicraft toy industry and rural employment	Recommended	Good Idea
30	INC22BAP015969	Invisible helmet	Not Recommended	No Innovation
31	INC22BAP016665	Development of a low-cost energy efficient 3D printer for printed circuit boards	Recommended	Good Idea
32	INC22BAP017904	A mobile application using Deep Transfer Learning and Optimization Techniques for the detection of nutrient deficiency in Rice Plants	Recommended	Exploring Nutrient deficiency in rice plants.

Signature of Head of the Institute
&

PRINCIPAL
Stamp
Lakireddy Bali Reddy College of Engg.
MYLAVARAM   521 230.

Signature of Convener&
Stamp
Convener
LBRCE - IC Foundation
Lakireddy Bali Reddy College of Engg.
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LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)
Accredited by NAAC with 'A' Grade & NBA (Under Tier - I), ISO 9001:2015 Certified Institution
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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Consolidated List

The following ideas were proposed for MSME HACKTHON 22

S.No.	Title of the Idea	Student/Faculty Name/Reg.No. Contact Number, e-mail	Mentor Name
1	$\mathcal{T}$GSPOT: TOXIC GAS SPOTTER USING IOT FOR GARBAGE COLLECTORS	FACULTY: Dr.P.Bhagath & Dr.M.Sitha Ram	
2	SMART CART: A RFID BASED SHOPPING TROLLEY	STUDENT	Dr.M.sitha Ram
3	SOIL DETECTION FOR FARMING	STUDENT	Dr.D.Venkata Subbaiah
4	INTRA HOSPITAL MEDICAL HAULER SYSTEM USING UAV	STUDENT	Dr.P.Bhagath & S.Srinivasa Reddy
5	AGROANDROID APP –AI BASED MULTI SERVICE SOLUTIONS FOR AGRICULTURE	STUDENT	Dr.K.Devi priya
6	AGRI INSECT DETECTOR APP: INSECT DETECTION IN COTTON FIELDS IN AND AROUND MYLAVARAM AND PROVIDING REMEDIES TO FARMERS	STUDENT	Dr.K.Naga prasanthi
7	ANDROID-APPLICATION FOR AGRO COMMUNE	STUDENT	Dr.S.Jaya Prada

COORDINATOR

HOD 12/11/22