**No:** /C-i2RE/MSME-BI/2023-24/ **Date: 04-03-2024**

**Submitted to Principal:**

**Sub:** Status of MSME Idea Hackathon - Reg.
**Ref:** /C-i2RE/MSME-BI/2023-24, Date: 01.02.2024

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With the reference to the above cited reference, the following table represents the details of ideas submitted to MSME Idea Hackathon.

| S. No. | Name of Scheme | No. of Ideas submitted | Date of screening | Current status | Next Step | Outcome |
|---|---|---|---|---|---|---|
| 1. | MSME idea Hackathon 2022 | 10 | 23-07-2022 | **02 -On going:**<br>**1. Mr.B.Raghu**-Design and Fabrication of Reaper And Binder Machine for Leafy Vegetables. ***(Amount: 15L)***<br>**2. Dr. V. Raju**-Real time parking space identification using Computer vision in Smart cities ***(Amount: 16.40L)*** | • Second installment sanctioned and remaining work to be completed | • Prototype development |
| 2. | MSME idea Hackathon 2.0 (Theme Based) | 15 | Nil | Nil | Nil | Nil |
| 3. | MSME idea Hackathon 3.0 (Women) | 32 | 29-02-2024 | **02-Approved:**<br>**1. Sri Kavitha Nangunoori-** Energy efficiency improvement on trucks and buses by deploying engine thermal management ***(Amount: 15L)***<br>**2.Bathini Sriharshitha-**Helmet based green signal activation at traffic signals ***(Amount: 15L)*** | • To start the project and waiting for the first installment to receive | • Prototype development |

**Dr. Kumar Dorthi**
*Convener, MSME-BI, KITSW*

**Dr. A. Devaraju**
*Coordinator, MSME-BI, KITSW*

**Prof. K. Raja Narender Reddy**
*Head, Centre for I²RE, KITSW*

**Copy to:**
1. Chairman sir for favor of information

- **MSME idea Hackathon 3.0 (Women): 02 - Approved:**

**A) Idea-1:**

i. **Idea reference No.:** IDEATS012849

ii. **Incubatee Name & details:** Bathini Sriharshitha

**Class:** B.Tech (CSE) – VI-Semester

**Mobile No.:** 9494610673

**E-mail ID:** b21cs032@kitsw.ac.in

iii. **Mentor details:** D.Naveen Kumar

**Mobile:** 9573700725; **Email:** dnaveen.cse@kitsw.ac.in

iv. **Title of the Project:** Energy efficiency improvement on trucks and buses by deploying engine thermal management

v. **Abstract:** Idea is to implement a Helmet-Based Green Signal Activation system that prioritizes riders wearing helmets at traffic signals. This system uses helmet detection technology to identify riders and determine their compliance with helmet-wearing regulations. When compliant riders are detected, the system adjusts the traffic signal to activate the green signal for their lane, allowing them to pass through the intersection safely. Goal is to promote helmet usage, enforce regulations, and improved.

**B) Idea-2:**

i. **Idea reference No.:** IDEATS012670

ii. **Incubatee Name & details:** Srikavitha Nangunoori

**Mobile No.:** 9494610673

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iii. **Mentor details:** Nangunoori Rajagopal

**Mobile:** +91-9028056843, **Email:** raj_nangunoori@yahoo.com

iv. **Title of the Project:** Energy Efficiency Improvement on Trucks and Buses by deploying Engine Thermal Management

v. **Abstract:** Idea is to improve the energy efficiency of trucks/ buses by deploying Engine thermal management leading to fuel efficiency improvement (78) coupled with other benefits like increased power, reduced emissions, reduced fan noise and vehicle safety etc Increasing engine efficiency and emissions reduction at a time is the major improvement.