MSME IDEA HACKATHON 2022

Reference No. :-	**INC22ATN002614**

1. Business Incubator Name	R. Lakshmipathy
2. Business Incubator Email Id	lakshmipathy.che@kcgcollege.com
3. Business Incubator Mobile Number	9994829939
4. HI/BI State	TAMIL NADU
5. HI/BI Name	KCG College of Technology
6. Title of proposed idea/innovation	IoT-Enabled Risk Monitoring System
7. Briefly explain newness/uniqueness of the innovation	? The application agent is dockerized. ? Power queuing and analytics using Mongo DB ? Condition Monitoring ? Not only constricted to cold supply but also to a various number of streams. ? Alarm notifications if threshold values exceed. ? Collection and storage of history, data, etc.
8. Concept & Objective	The objective of our project is to monitor temperature, humidity, and other gas compositions in cold storage. monitoring the real-time location, temperature, and other parameters through a cost-effective system integrated by GPS, remote sensors, cloud computing.
9. Specify the potential areas of application in industry/market in brief	? Digital temperature monitoring in laboratories. ? Food Safety compliances ? Warehouse and inventory ? Goods in Transit ? Equipment Monitoring
10. Briefly provide the market potential of idea/innovation	Market Potential: Cost Estimation and initial setup: Hardware 1. PLC - ?2000 2. Raspberry Pi - ?3000 3. sensors - ?2000 For the industrial standard gateways, the cost of the device varies from 10k to 20k based on features of live waterproofing IP certificates. Sensors Rates may also vary for different purposes. AWS 1. 1 million API req / month ? 77 Rs 2. 1 million Rest API / month ? 300 3. 1 million Websocket message/ day ? 2300 4. General Purpose SSD (gp3) - Storage ?77 5. Initial Setup Cost ?7000 +Setup Cost (approx.) 6. Monthly Investments ?2800 + monthly maintenance charges (approx.) Basic Plan - ?20000 This Plan includes: • SMS Emails alarm • 3 years online storage • Data logging every 3rd min. • Unlimited HW warranty • Manual Logbook • Online calibration documentation Premium Plan - ?24000 • This Plan includes: • SMS Emails alarm • 3 years online storage • Data logging every 3rd min. • Unlimited HW warranty • Manual Logbook • Online calibration documentation • 5-year online storage • Smart data logging interval Enterprise - ?28000 • This Plan includes: • SMS Emails alarm • 3 years online storage • Data logging every 3rd min. • Unlimited HW warranty • Manual Logbook • Online calibration documentation • 5-year online storage • Smart data logging interval • Backup at 3 locations • Unlimited online storage • Advanced user administration • Future prediction and its report generation
11. Uploaded Proposal	View/Download