

LIST OF IDEAS SUBMITTED FOR MSME IDEA HACKATHON 2022

1. Autonomous Fruit Plucking Drones using Deep learning Techniques
2. Prototype development on Herbal Nebulizer for the control of upper Respiratory Tract Infection
3. Non-Invasive Knee Braces
4. Gesture Interface Controlled wheel chair using image processing with collision avoidance.
5. Design of I-Health using NFC Tag for Monitoring, Storing and Accessing Patient Health Information in Single Tap
6. Automatic Physiotherapy Exercise Performing Chair for Disabled Persons
7. Concentrated Solar Thermal Dish based Dry Manure Generator from Food Waste
8. Smart IOT Embedded Wearable Gadgets for Rescue Operation
9. Preparation of Traditional South Indian Rice Varieties based Probiotic Drink by Fermentation Technology
10. Design and development of an IOT-based energy-efficient ceiling fan by composite materials
11. Design, development and fabrication of Graphene Oxide enhanced Kevlar fabric bullet proof vests
12. Cost Effective and Quickly Deployable Hybrid Composite Shelter
13. IoT-based health monitoring Device using LoRaWAN (Low-Power Wide-Area Network Modulation)

LIST OF IDEAS SUBMITTED FOR MSME IDEA HACKATHON 2.0

(Theme Based)

1. Intelligent Eye Glasses
2. Personal Assistance for Seniors who are Self-Reliant
3. Patient Critical Tracker
4. SIGNEXA
5. To automate the process and predict diseases more accurately machine learning methods are gaining popularity in research community.
6. Prediction of Cardiovascular Disease using Machine Learning Algorithms using AWS Sagemaker
7. IoT Based Safety Gadget For Child Safety Monitoring Notification
8. Cradle24
9. CJ Home
10. Live Delivery Tracker
11. Smart Farmer IoT Enabled Application
12. Design and development of product for Advanced Garden and Agricultural field monitoring system
13. Agronomy
14. Animal Monitoring System to Protect Agriculture Field
15. Application of Agrichamps and IoT based Agri Monitoring System for Sustainable Development
16. Design and Development of IoT Interface Agro-sensor for Advanced Automated Irrigation Monitoring System
17. Advanced and Sustainable Organic Composting Machine
18. Real Time Identification of Milk Adulteration
19. Biofilm based Aquifer
20. Walk Ignite
21. Senthil Animatic Universe
22. A Gesture based Tool for Game Development
23. VR Controller using Image Processing - Marker Tracking
24. AR/VR Character Generator Using PIFUHD
25. Rooftop PV array based Grid-tied EV charging stations in parking lots
26. Smart Battery Management
27. An animated Heritage system for temples using VR based navigation system

LIST OF IDEAS SUBMITTED FOR MSME IDEA HACKATHON 3.0 (Women)

1. Online Crime Detection System Using Face Recognition
2. Brilliant Web Application Tourist Guide For Travel Booking
3. Product Opinion Mining And Price Analysis In Cloth Website
4. EMail Spam Classification
5. SILKY 2.0 - AI Empowered Silkworm Incubator.
6. Production Of Food Grade Plastic From Agro Wastes
7. Agronomy
8. Formulation of gel spermicide by utilizing traditional medicine plants.
9. Human acoustic and bioenergy harvesting for medical implants or biomedical gadgets
10. Unauthorized Entry Detection Using Face Recognition
11. Skin cancer prediction system
12. White Plague Disease Detection
13. IOT based smart warehousing and logistics
14. Creator AI with different tech/ service sector in media phase
15. Cotton Plant And Leaf Detection Using Deep Learning
16. Advancing Sustainability in Aquaculture through Smart Monitoring and Management
17. An Efficient Agro Equipment Rental Service using hybrid Algorithm
18. Precision Irrigation Model For Agriculture Using Intelligent IOT
19. HER Health Connect
20. Virtual Psychologist
21. Modern Methodology Of Separating Disposal Into Plastic And Non Plastic Using Image Processing
22. Monitoring for traffic Signal and Report
23. Smart Farming
24. Development of low-cost Nutraceutical product from Microgreens - A Novel post harvesting technique
25. Trap Mechanism For Insect Pest Using Biomimicry
26. Bioengineered nanomaterials obtained from *Artocarpus hirsutus* as wound dressing material for the treatment of melanoma
27. Drone Ambulance Revolutionizing Emergency Medical Response through Aerial Transportation
28. Breast Cancer Prediction Model Using Optimized Ensemble Learning Technique
29. Proctoring System For Online Examination
30. Augmented Reality Based Patient Monitoring System
31. An Elegant Air Pollution Monitoring system
32. IOT Based Smart Wearables To Take Medication Regularly Without Fail
33. Prediction Of TEC(Total Electron Content) Over Low Latitude Indian Region
34. Accident Prevention using ARDUINO UNO R3
35. IoT Technology in Road Safety