Vishwakarma Institute of Technology

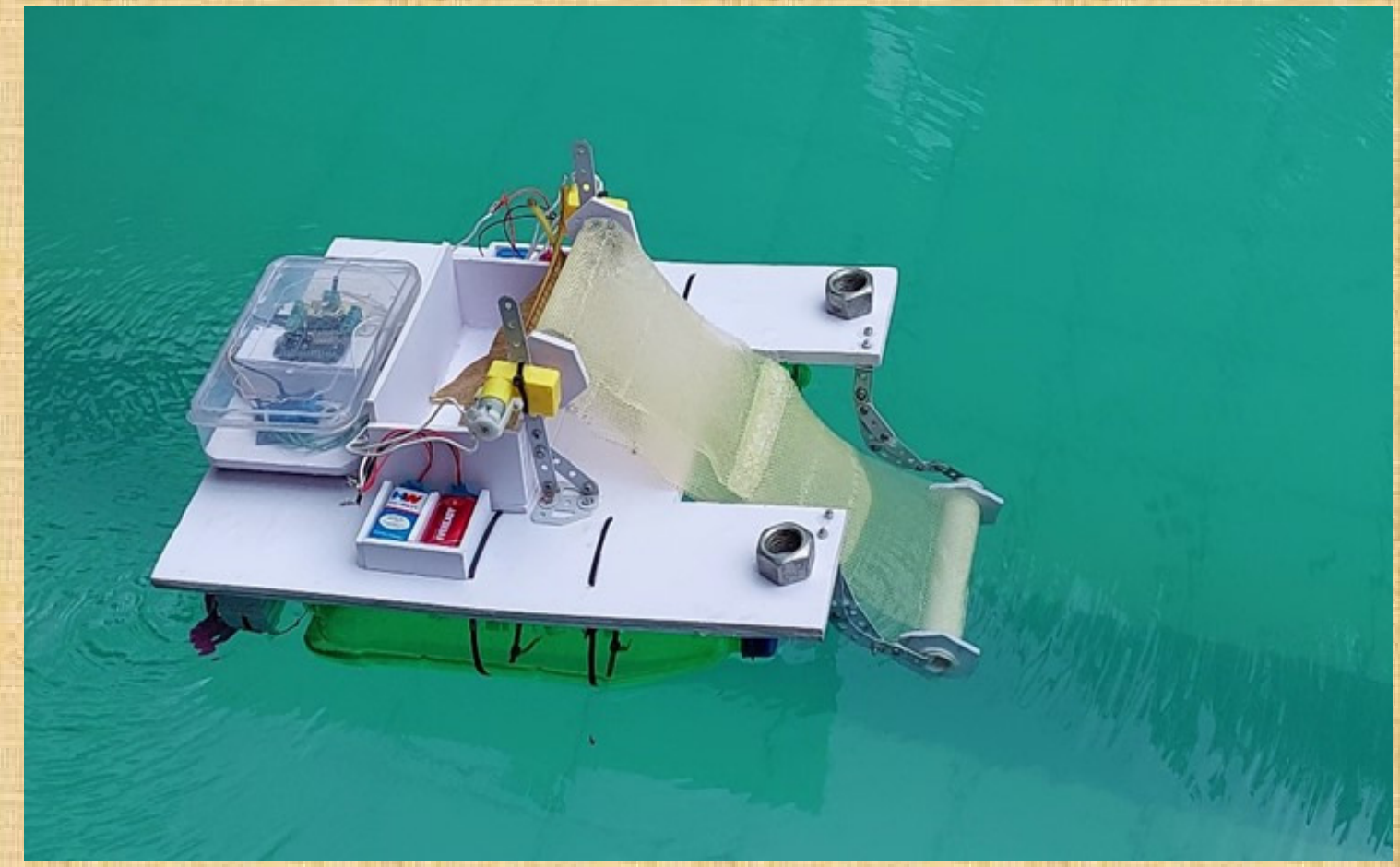
FY - Department of Engineering, Sciences and Humanities

Multipurpose Attachment System for Ploughing, Spraying and Creating Ridges in Agriculture

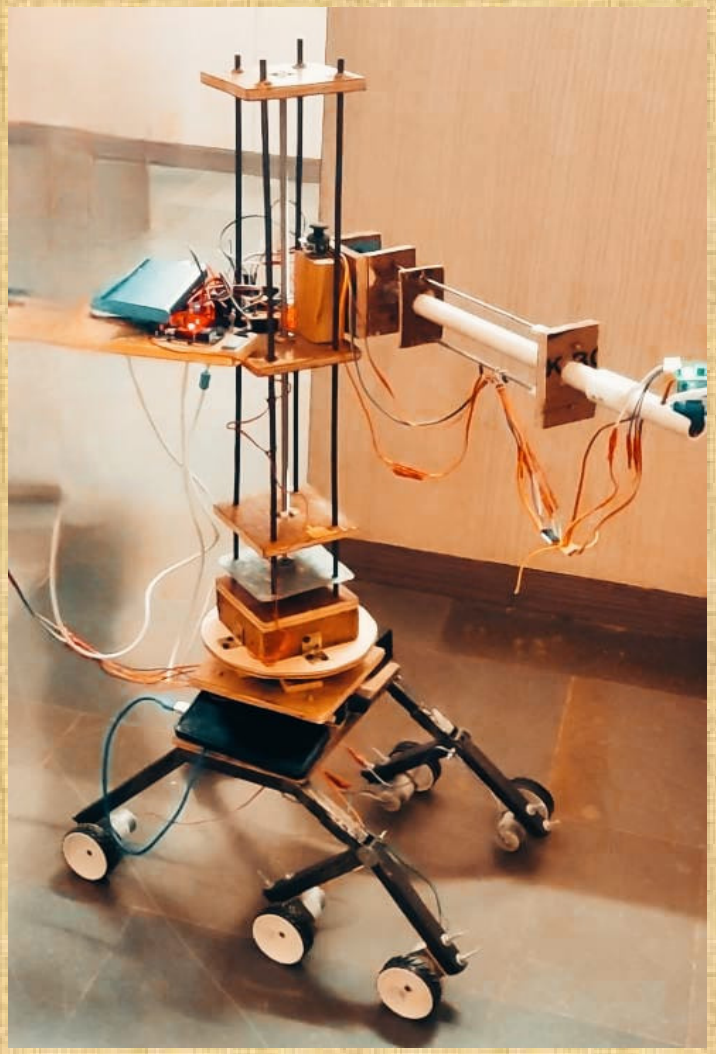
Domain :- Agriculture

Mobile Application Based Water Garbage Collector Robot

Domain :- Waste Management



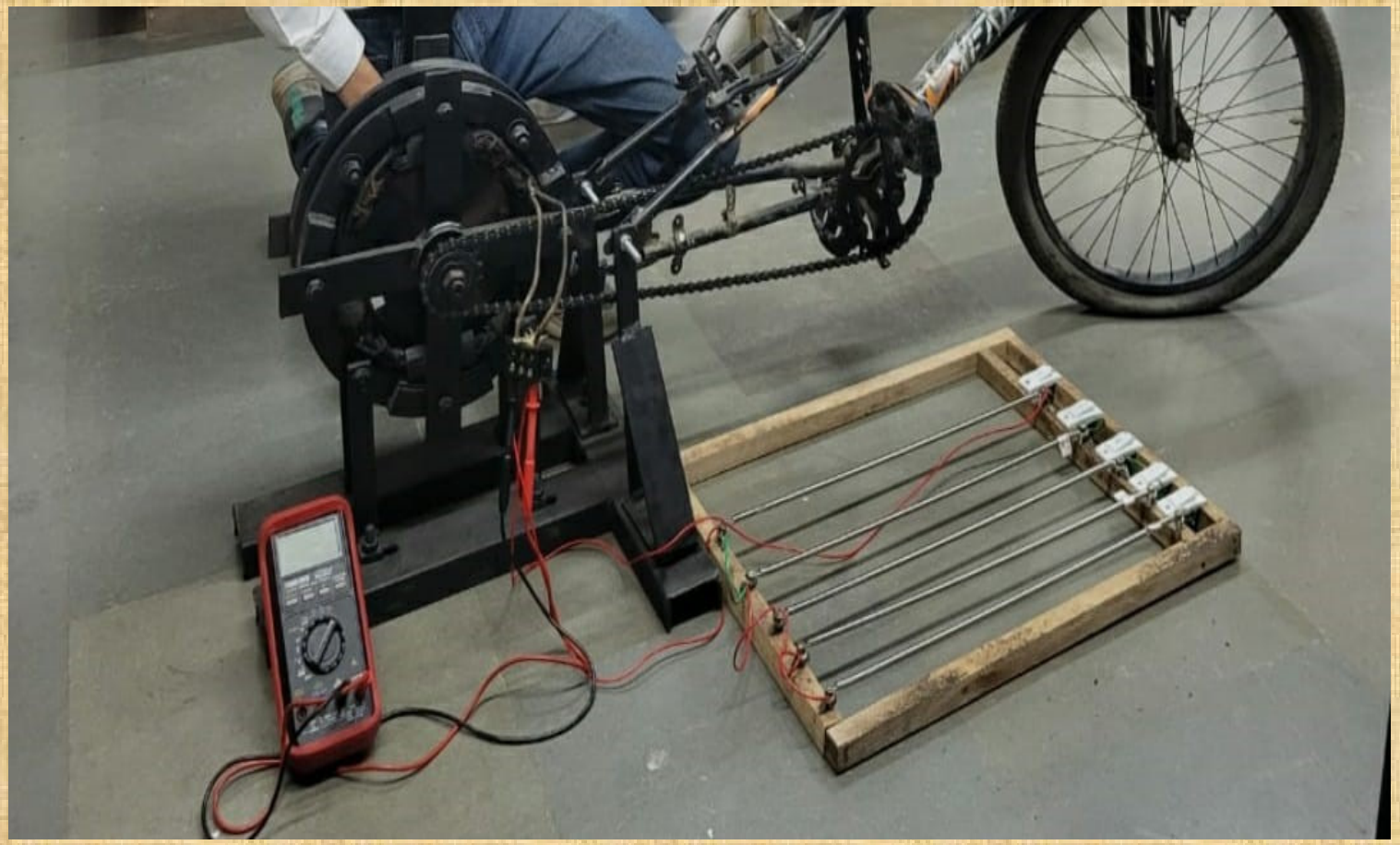
VARUNA: The Remote-Controlled Fire Fighter Robot



Domain :- Environment Safety, Robotics

Generation of electricity Using mechanical Leverage

Smart Energy



Earthquake Prognosis using Machine Learning

```
print("ACCURACY :",metrics.accuracy_score(y_test ,y_predict))
```

```
ACCURACY : 0.6782608695652174
```

Fig. 14. Accuracy of the Himalayan model.

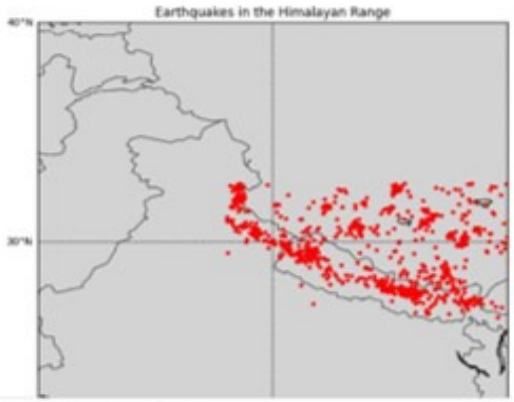


Fig. 15. Past earthquakes in Himalayan Range

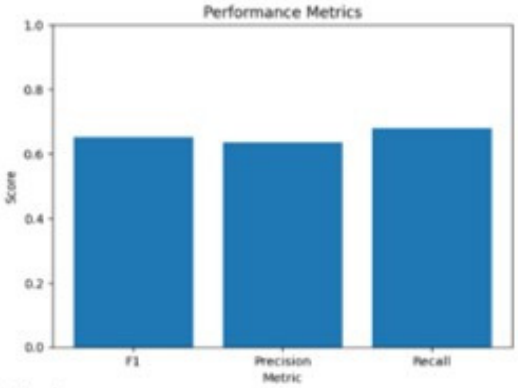


Fig. 16. Performance Metrics

Domain :- Seismology, Environment

Multifunctional Helmet

Domain :- Assistive Aid

Trolley Mate

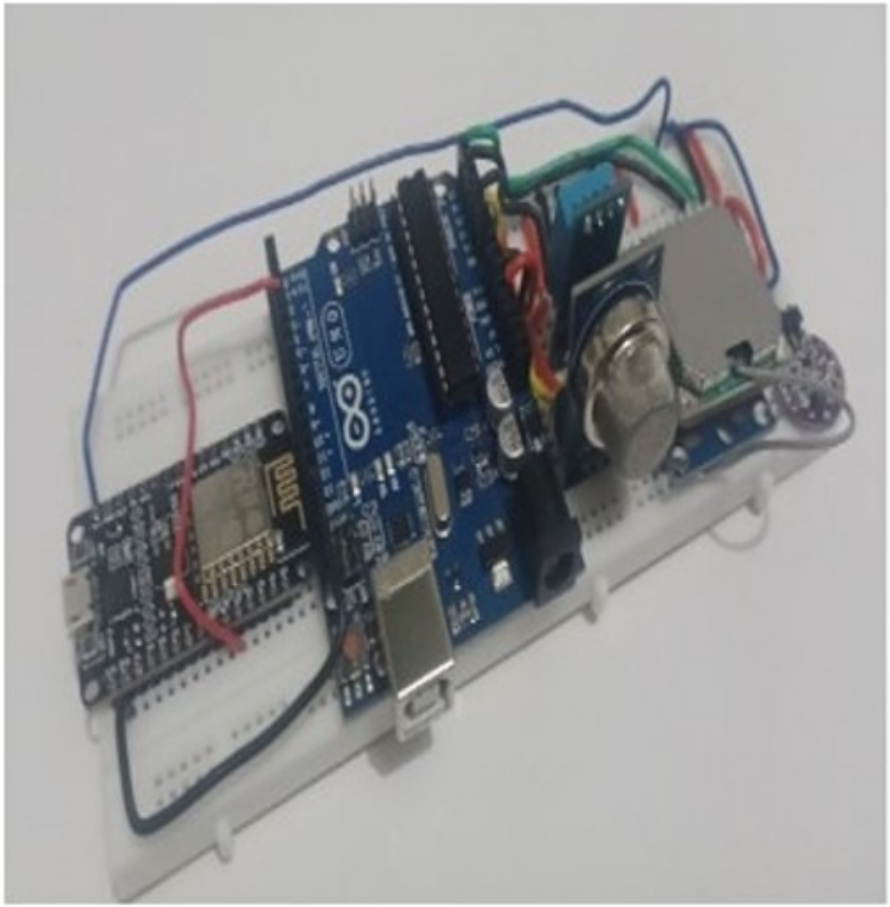
Domain :- Smart City

Automatic Shoes Cleaner

Domain :- Smart City, Domestic Appliances

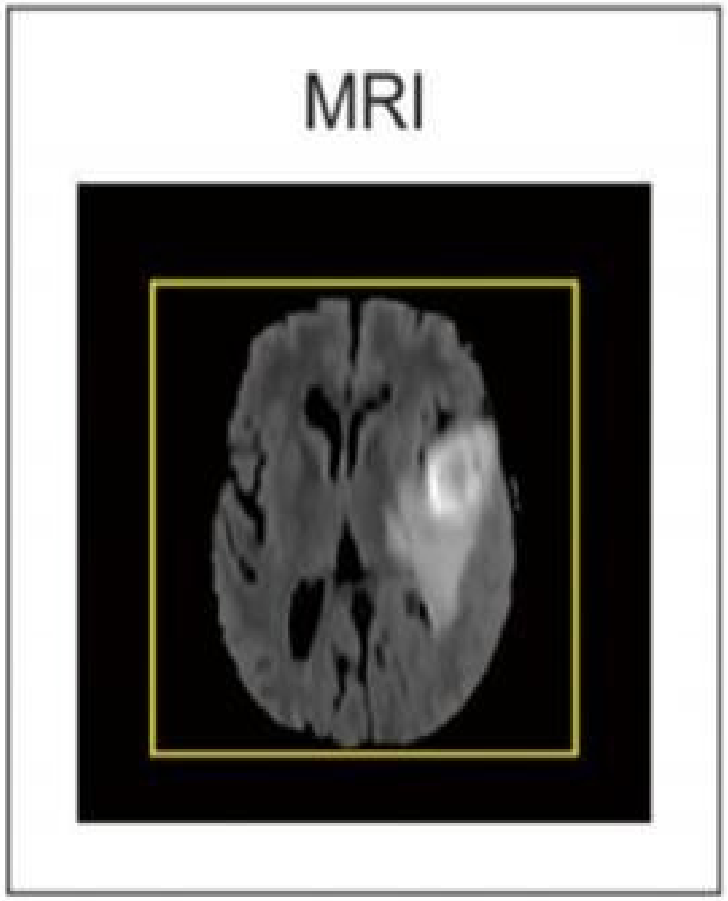
Smart Wearable Jacket for the Safety of Coal Miners

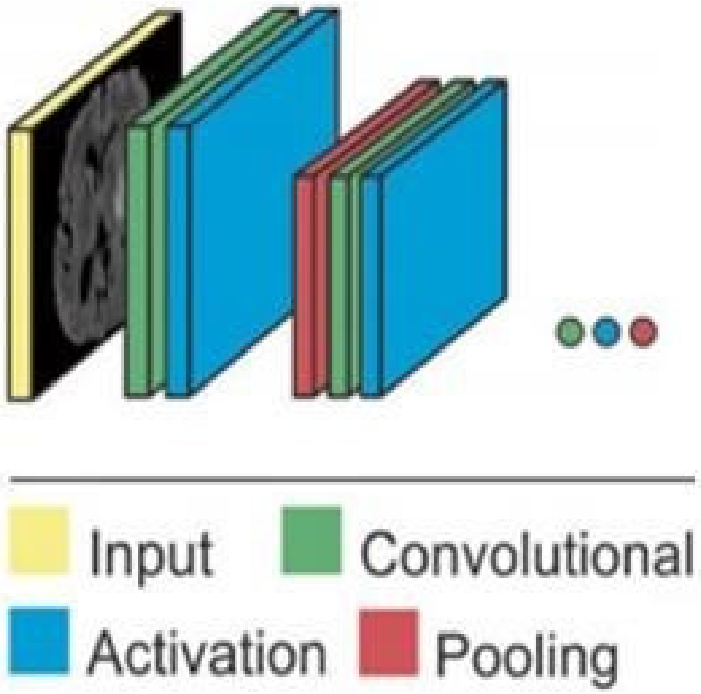
Domain :- Assistive Aid, Wearable Technology



Brain Tumer Detection using Deep Learning

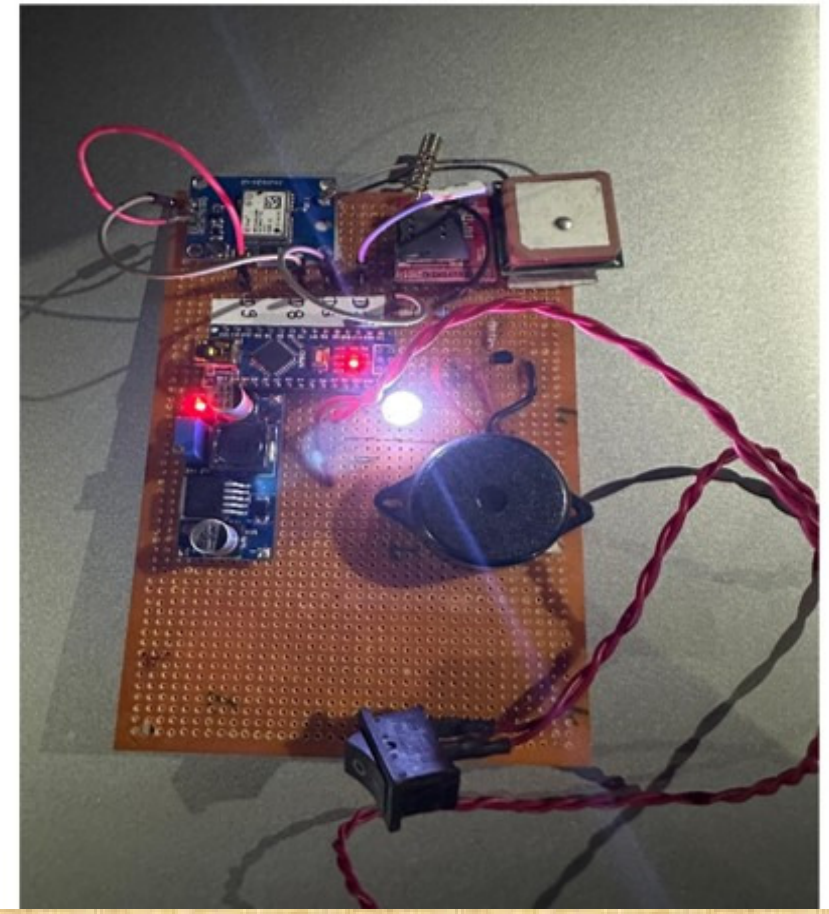
Domain :- Health Care, AI

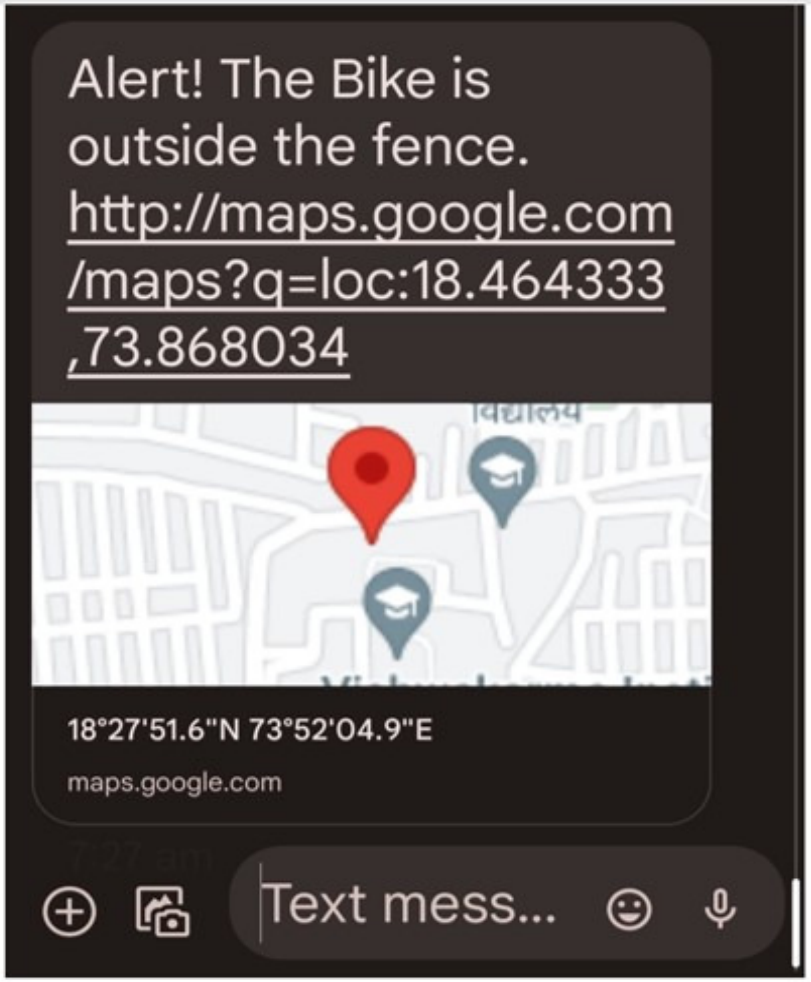




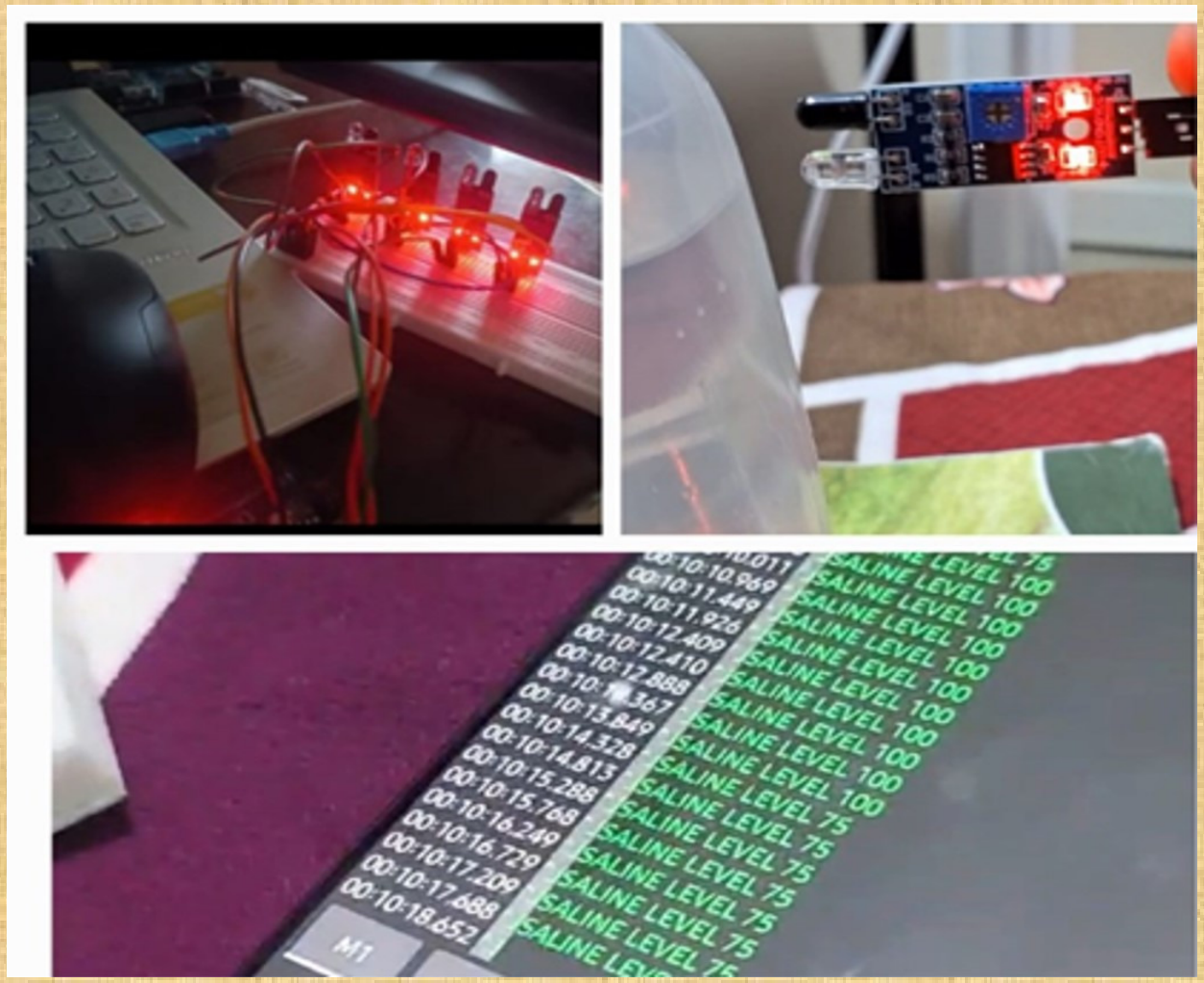
Geofencing for Bike

Domain :- Security





Automated Intravenous Fluid Tracking and Monitoring System along with Air Embolism



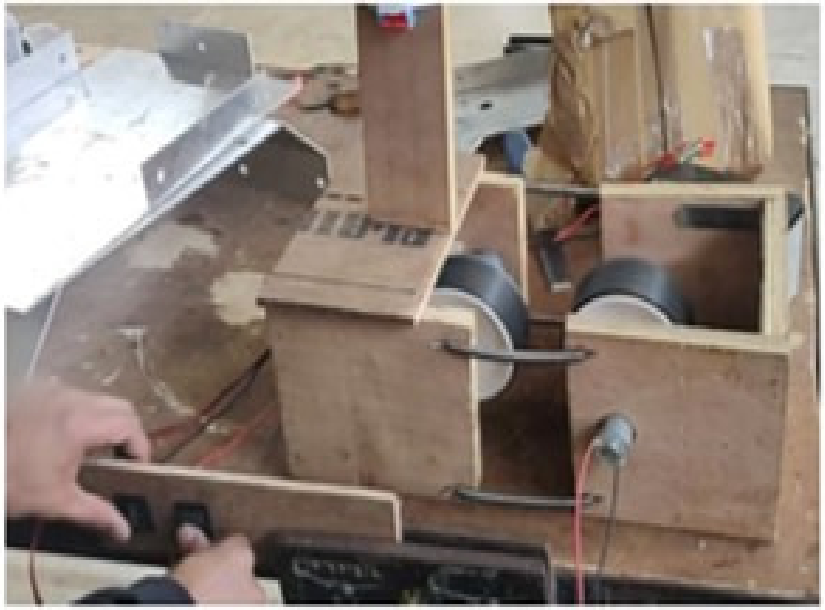
Domain :-Healthcare

The Dual Axis Automated Solar Tracker

Domain :- Sustainable Technology

Coconut Tree Climbing Robot

Domain :- Agriculture



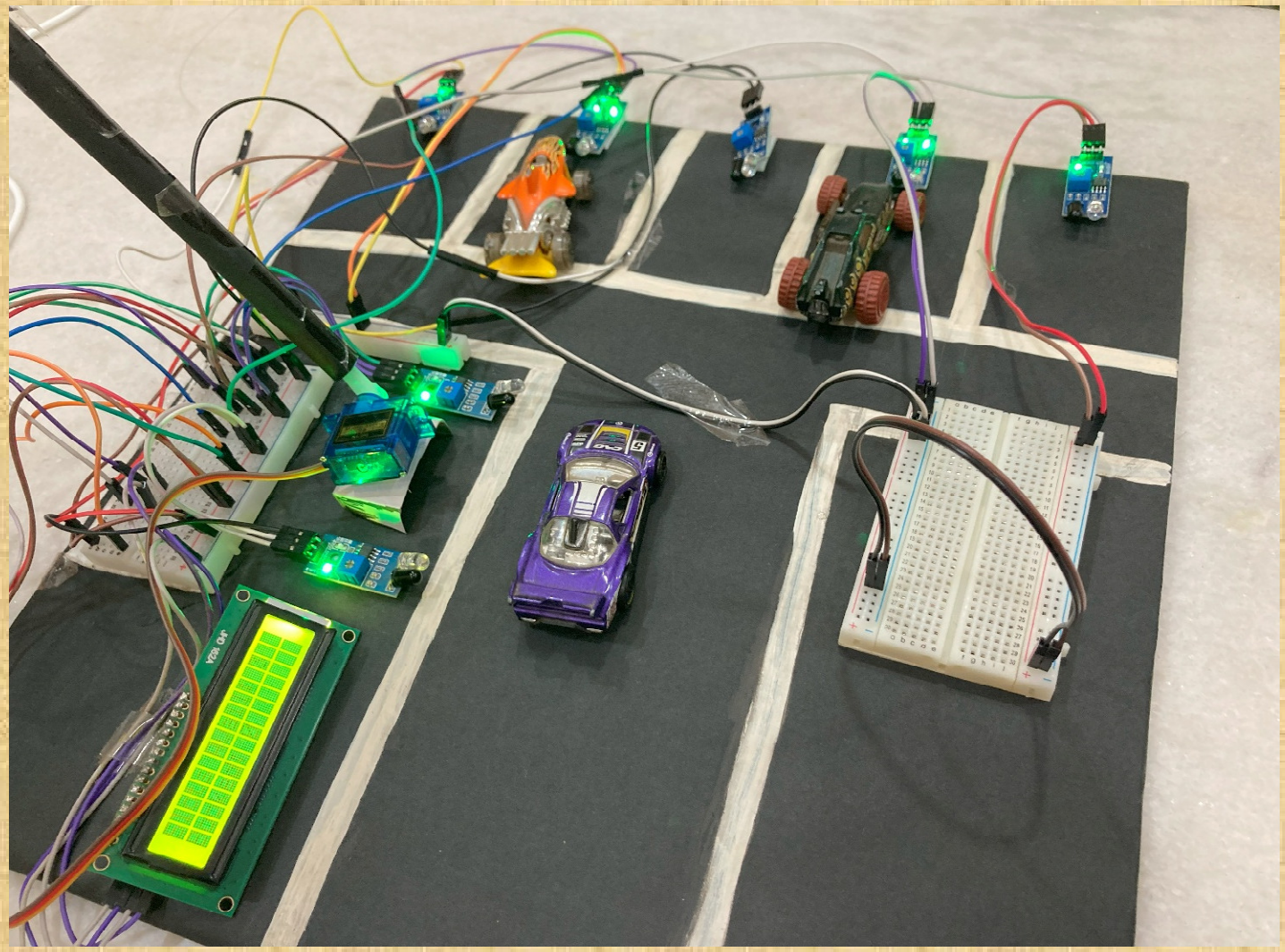
Photovoltaic Bottle with Multiple Features

Domain :- Assistive Aid

AI Powered Shape Shifting Rover for Uneven Terrain

Domain :-Robotics, AI

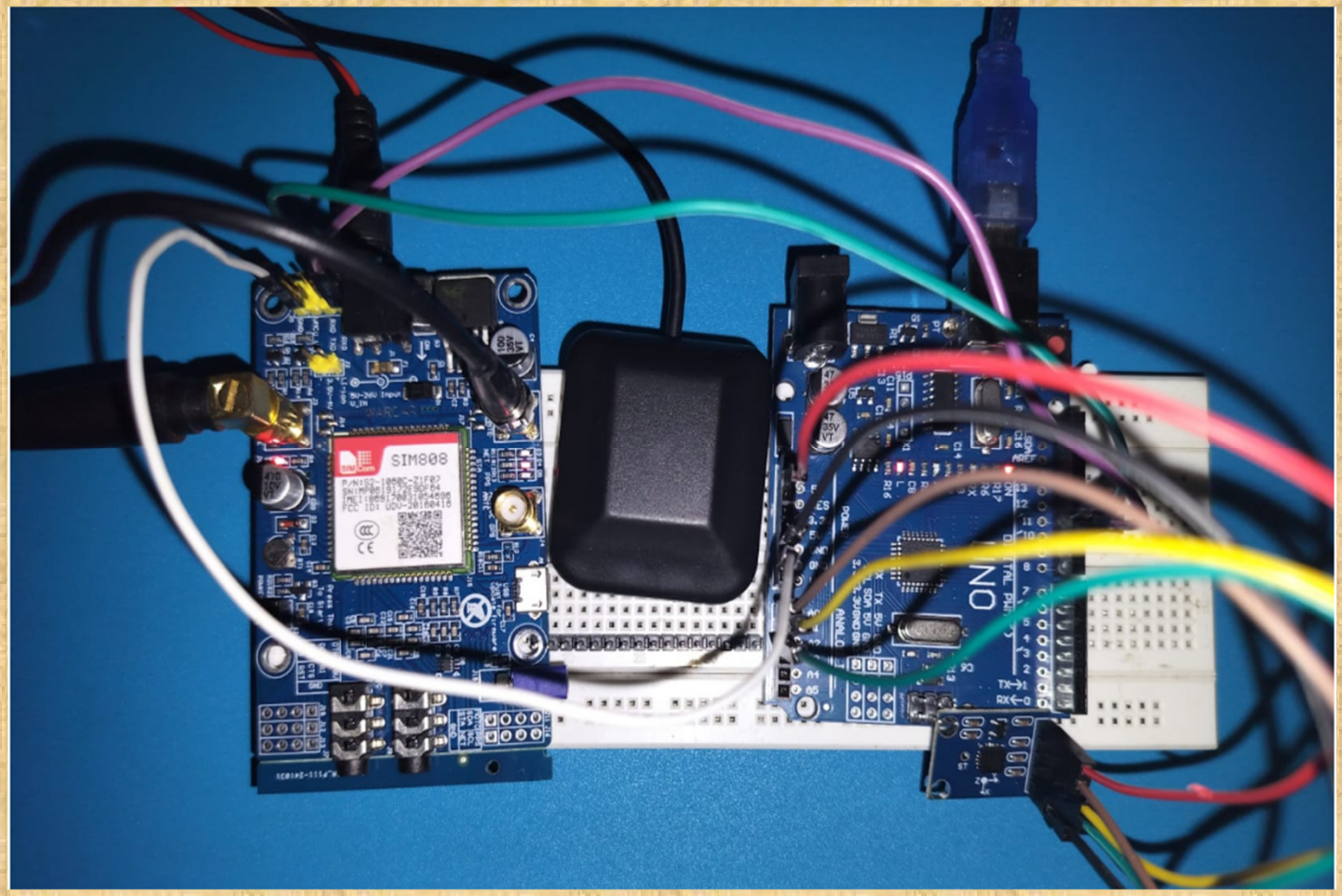
Smart WiFi-Enabled Parking Slot Counter Using ESP-32



Domain :- IoT, Smart City

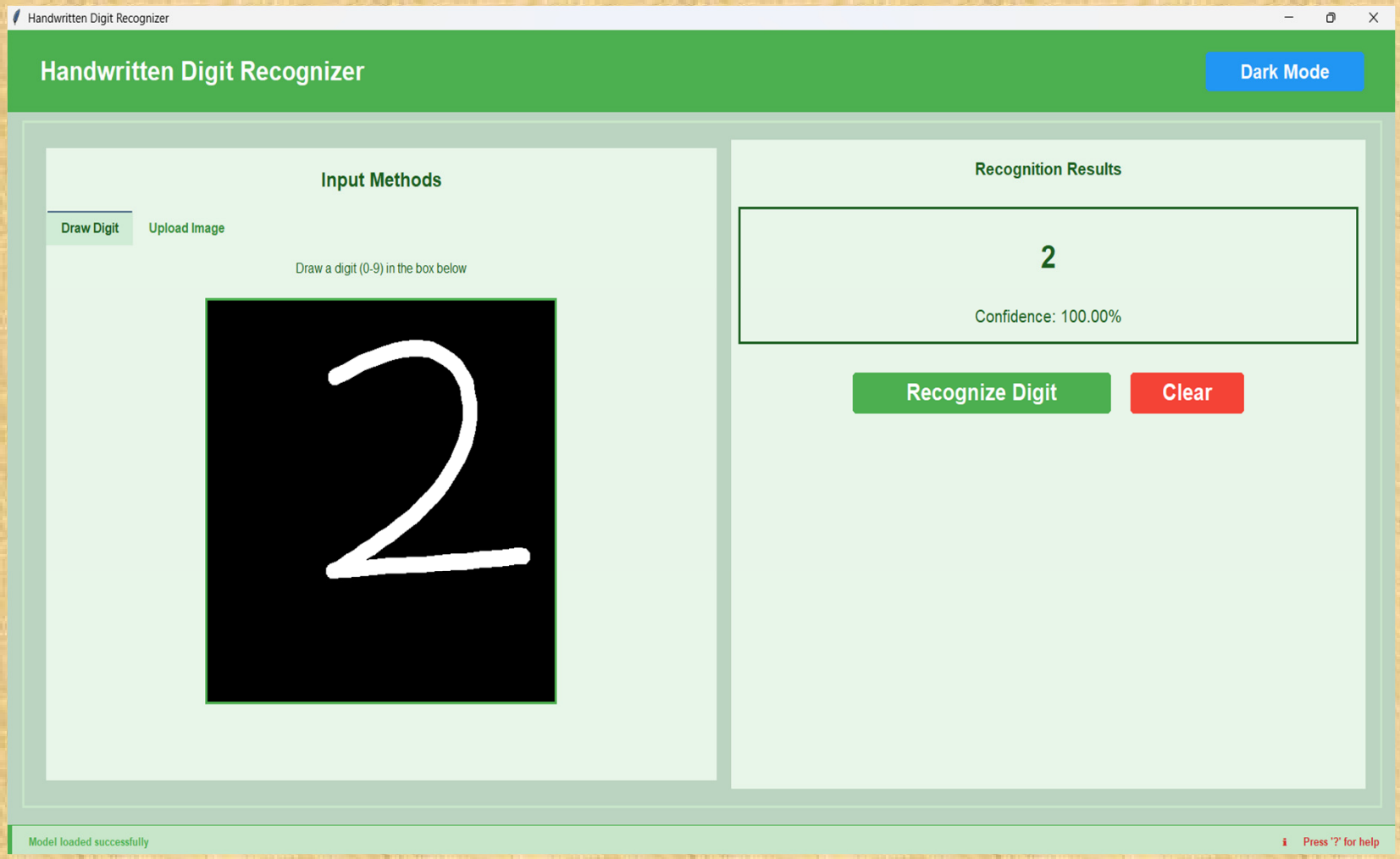
G-Sensor Based Accident Alert System

Domain :- Embedded System, IoT



Handwritten Digit Recognizer

Domain :- Computer Vision



Solar Powered Electric Vehicle

Domain :- Electric Vehicle, Renewable Energy