

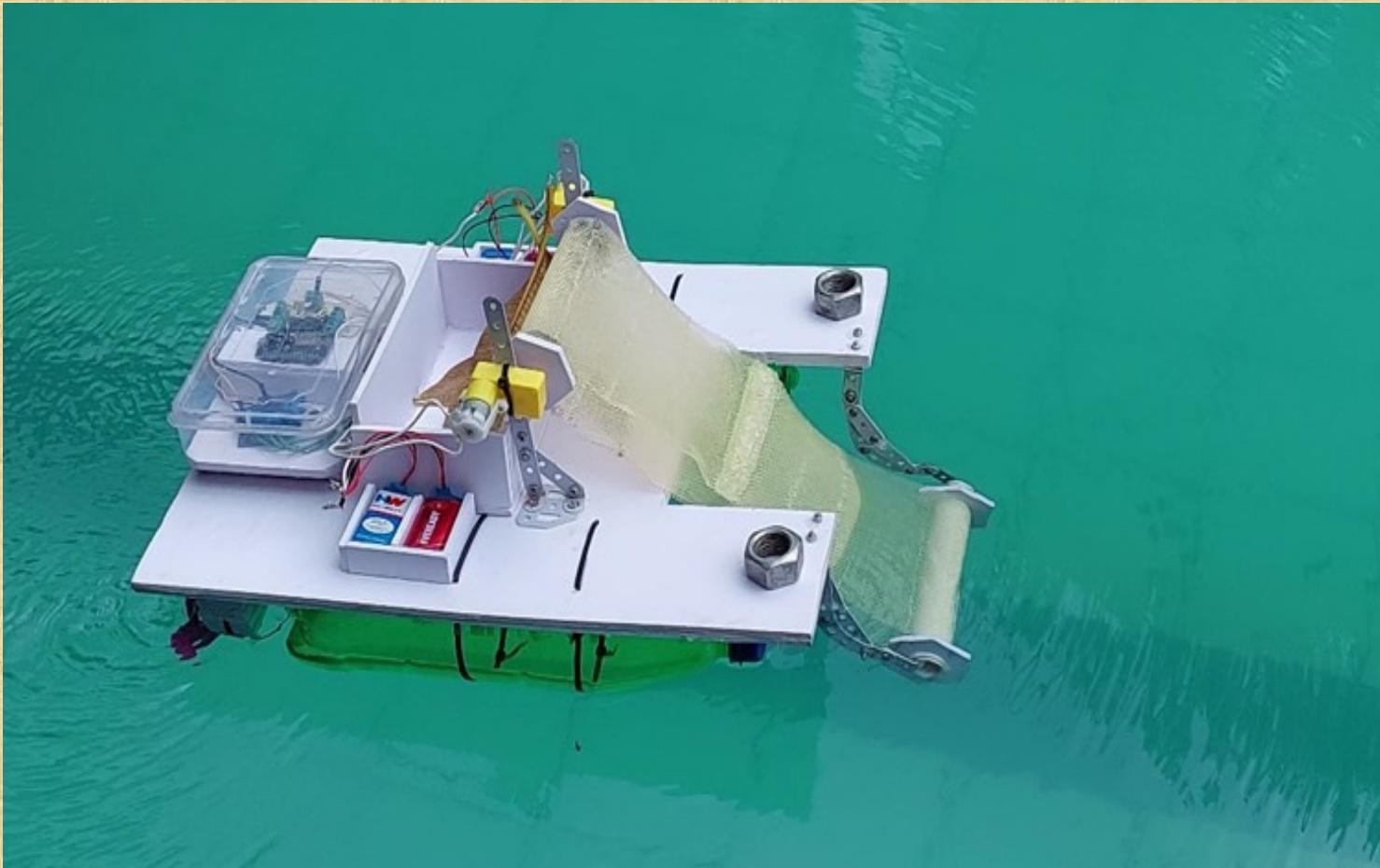
Multipurpose Attachment System for Ploughing, Spraying and Creating Ridges in Agriculture

Domain :- Agriculture



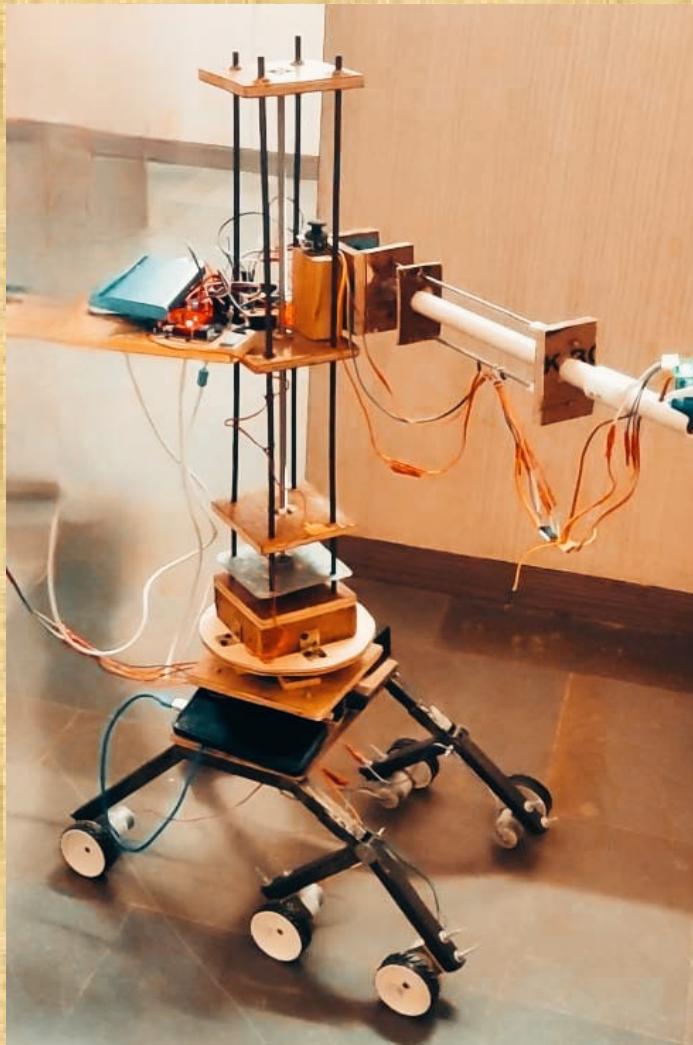
Mobile Application Based Water Garbage Collector Robot

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

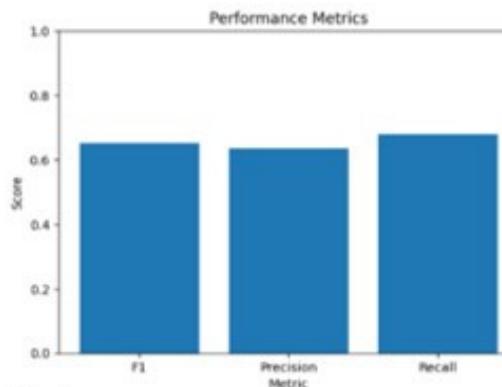


Fig. 16. Performance Metrics

Domain :- Seismology,
Environment

Multifunctional Helmet

Domain :- Assistive Aid



Trolley Mate



Domain :- Smart City



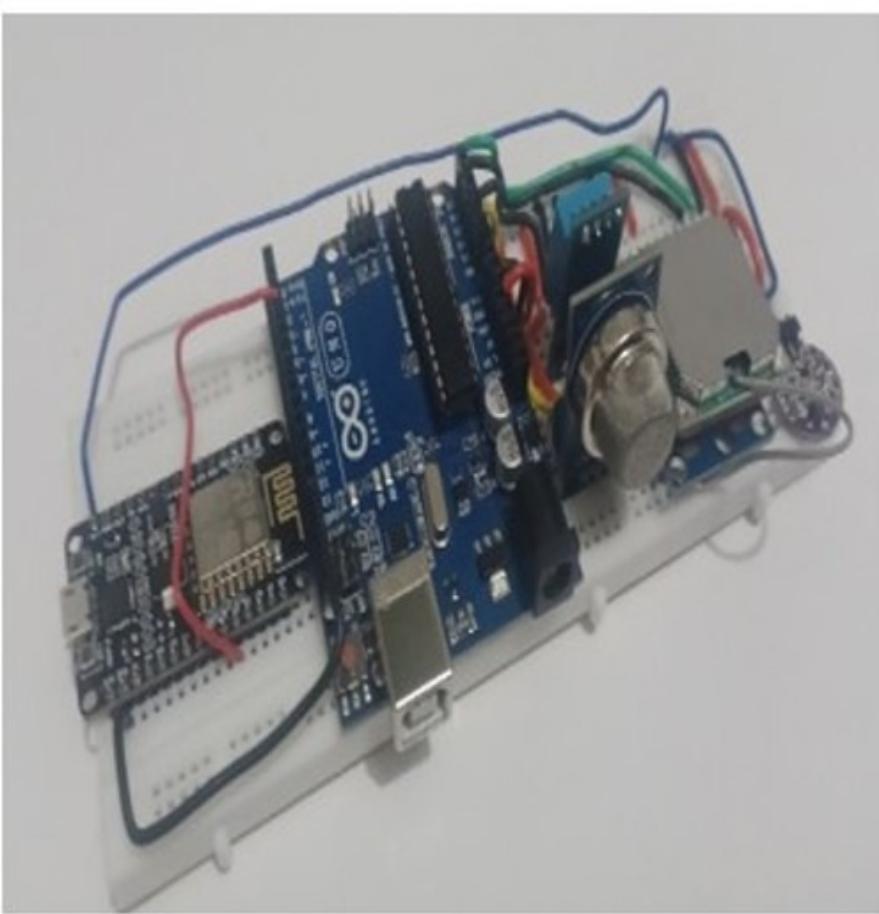
Automatic Shoes Cleaner



Domain :- Smart City,
Domestic Appliances

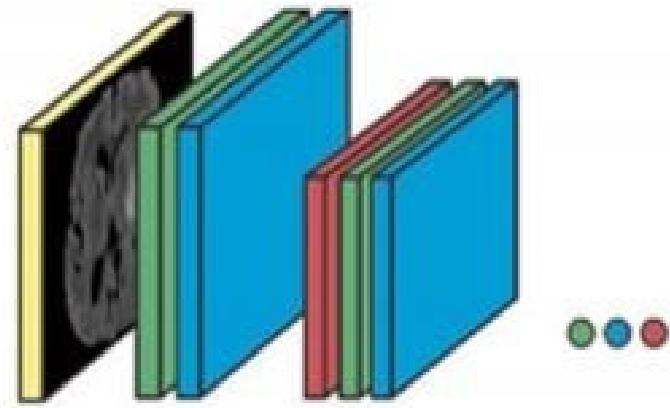
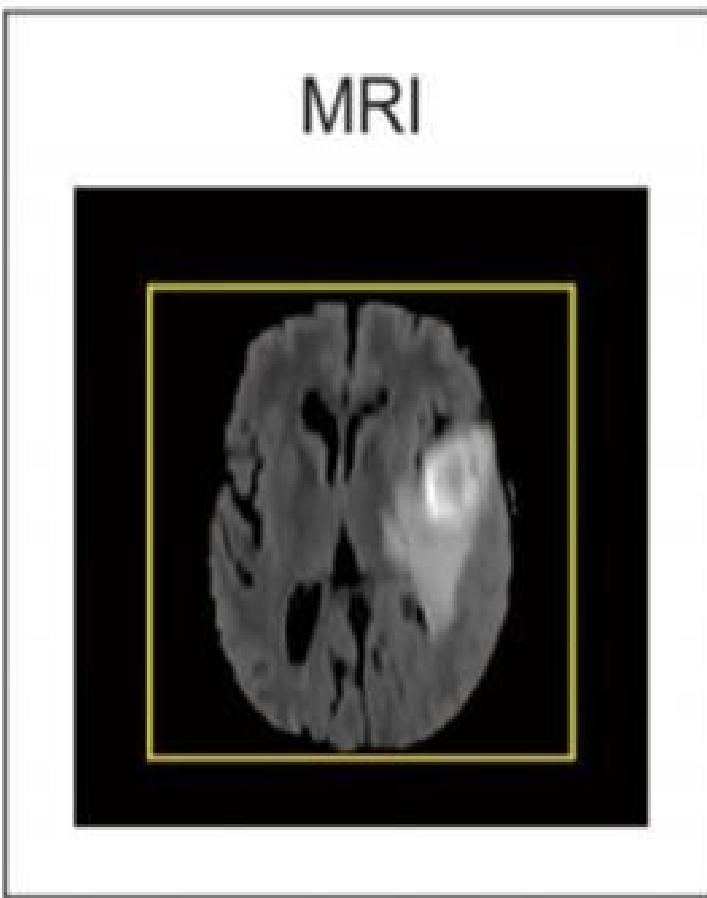
Smart Wearable Jacket for the Safety of Coal Miners

Domain :- Assistive Aid,
Wearable Technology



Brain Tumor Detection using Deep Learning

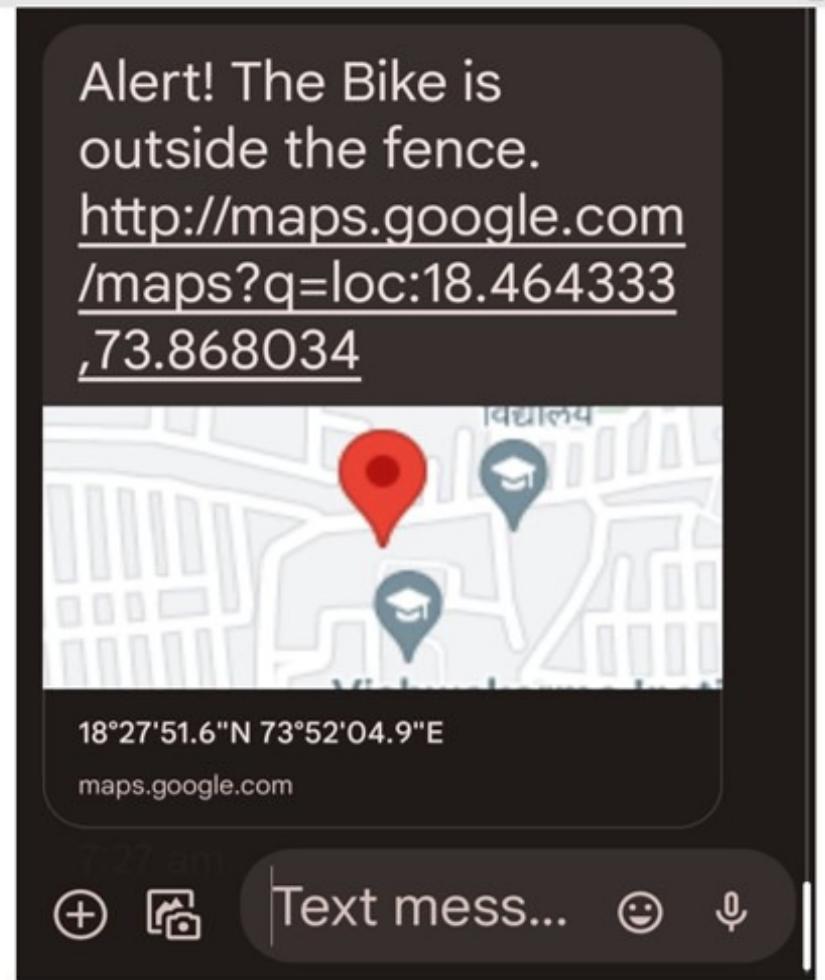
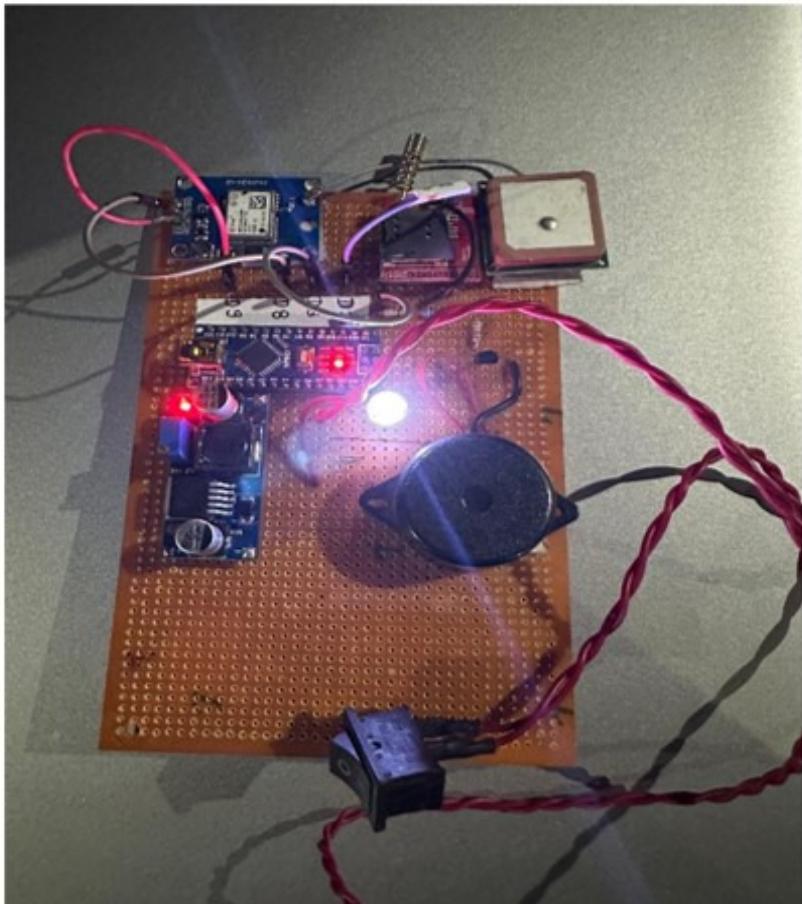
Domain :- Health Care, AI



 Input  Convolutional
 Activation  Pooling

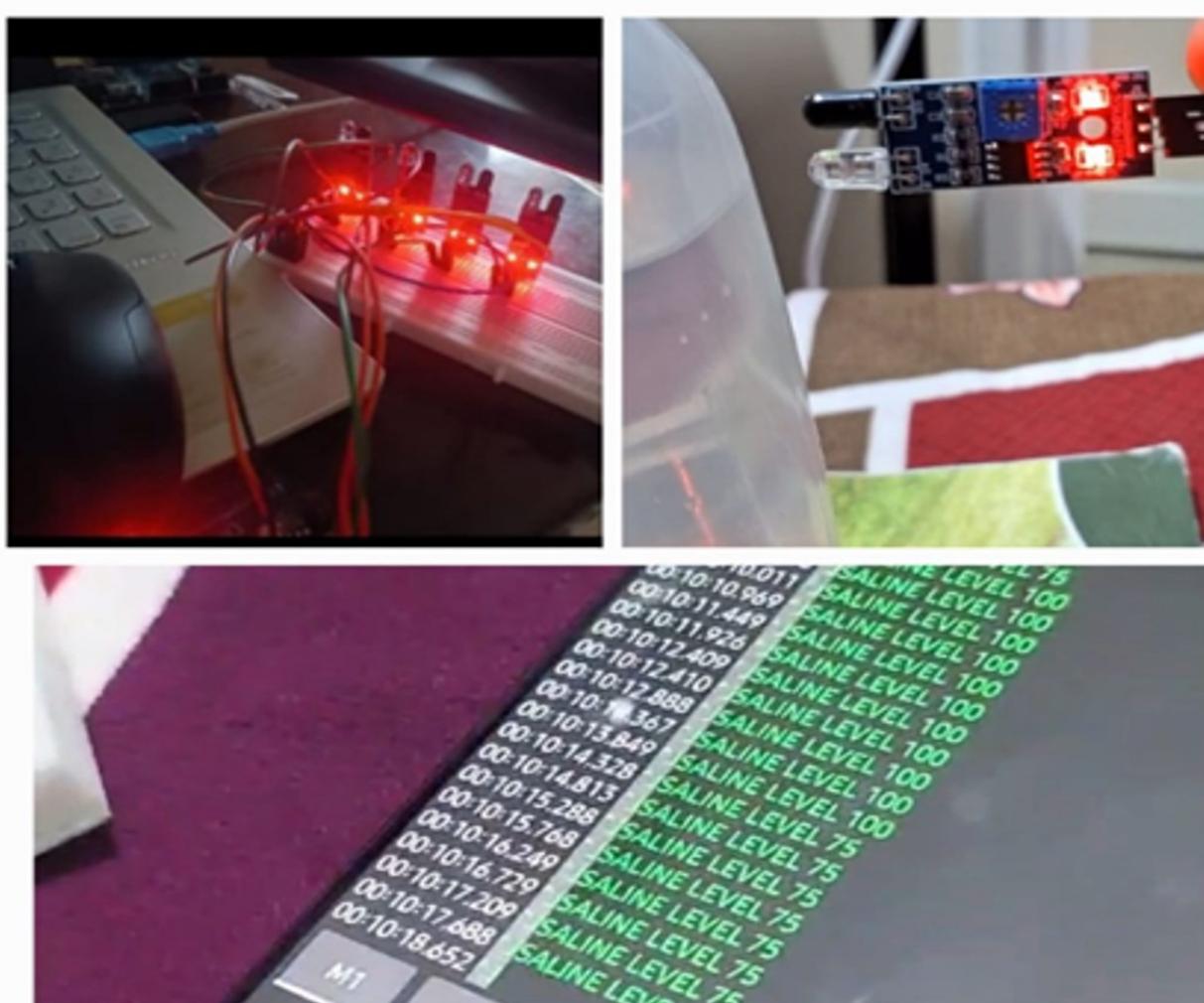
Geofencing for Bike

Domain :- Security



Automated Intravenous Fluid Tracking and Monitoring System along with Air Embolism

Domain :-Healthcare



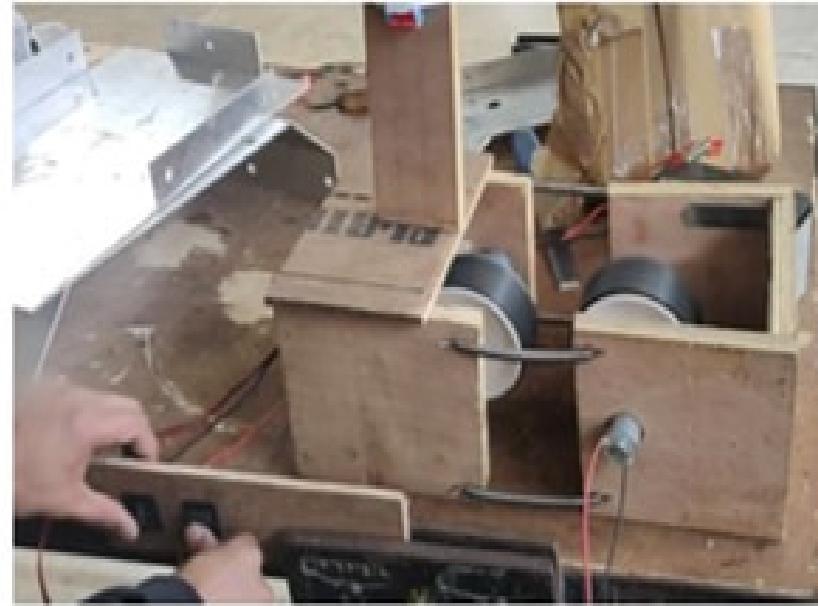
The Dual Axis Automated Solar Tracker



Domain :- Sustainable
Technology

Coconut Tree Climbing Robot

Domain :- Agriculture



Photovoltaic Bottle with Multiple Features



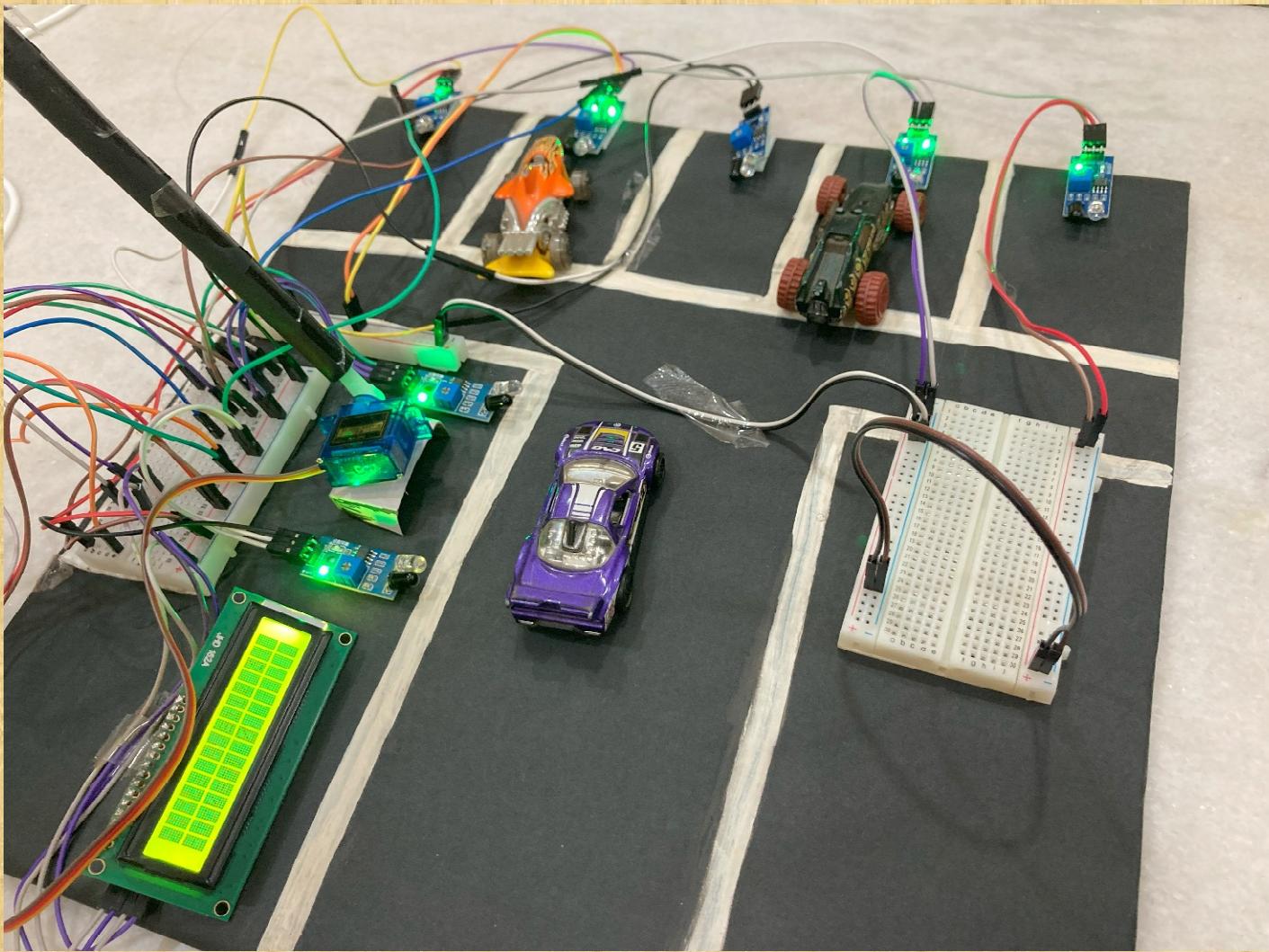
Domain :- Assistive Aid

AI Powered Shape Shifting Rover for Uneven Terrain

Domain :-Robotics, AI



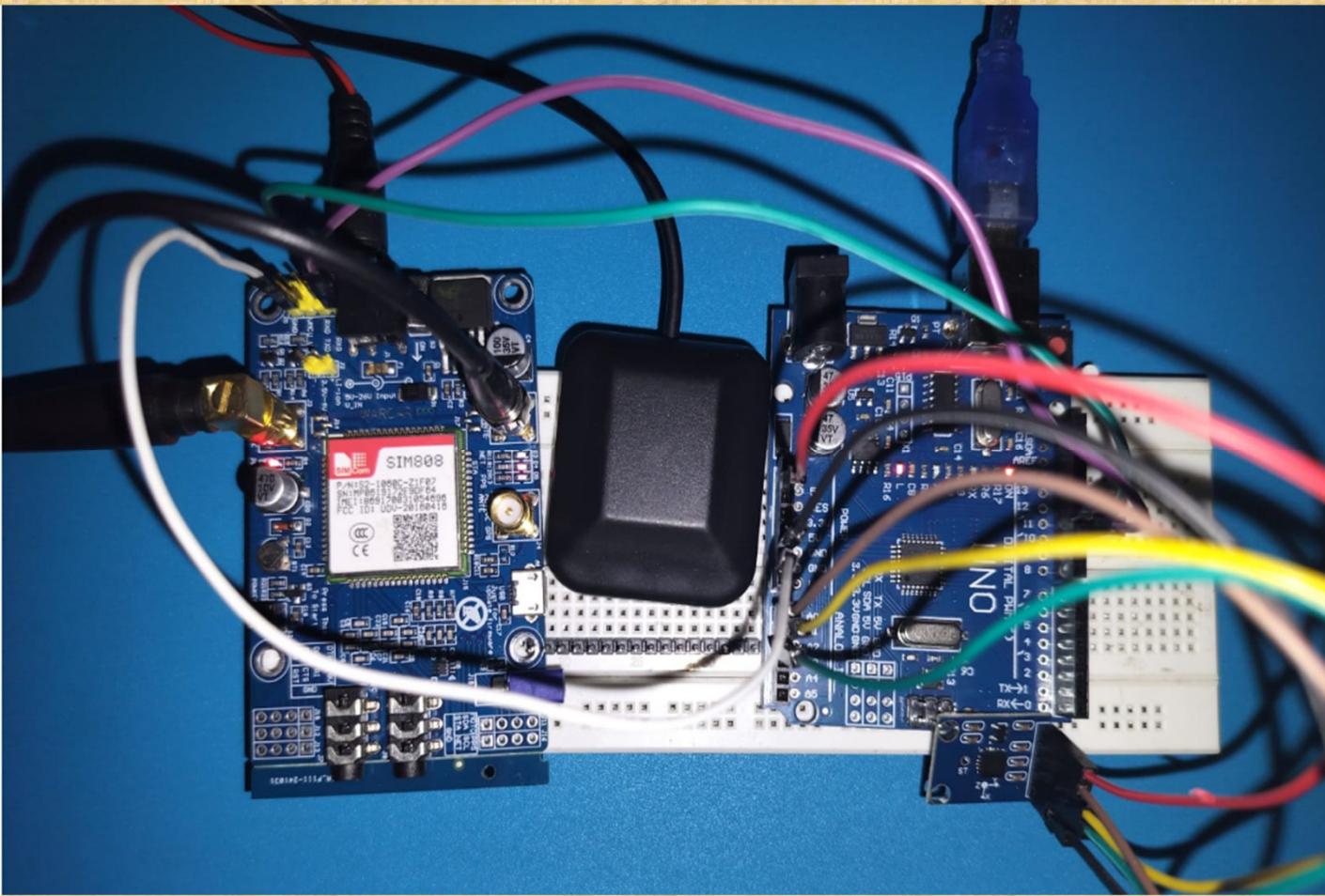
Smart WiFi-Enabled Parking Slot Counter Using ESP-32



Domain :- IoT, Smart City

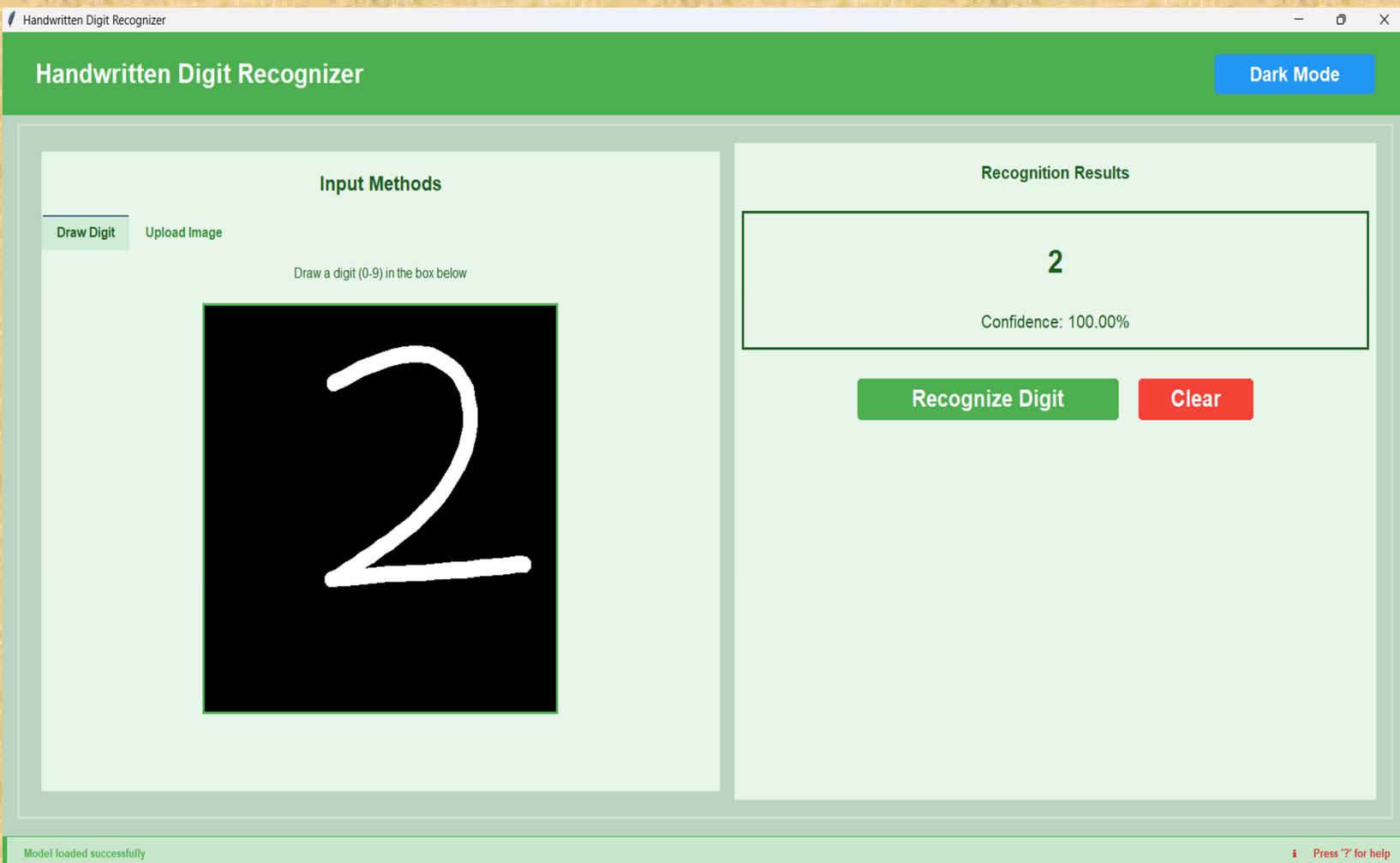
G-Sensor Based Accident Alert System

Domain :- Embedded System, IoT



Handwritten Digit Recognizer

Domain :- Computer Vision



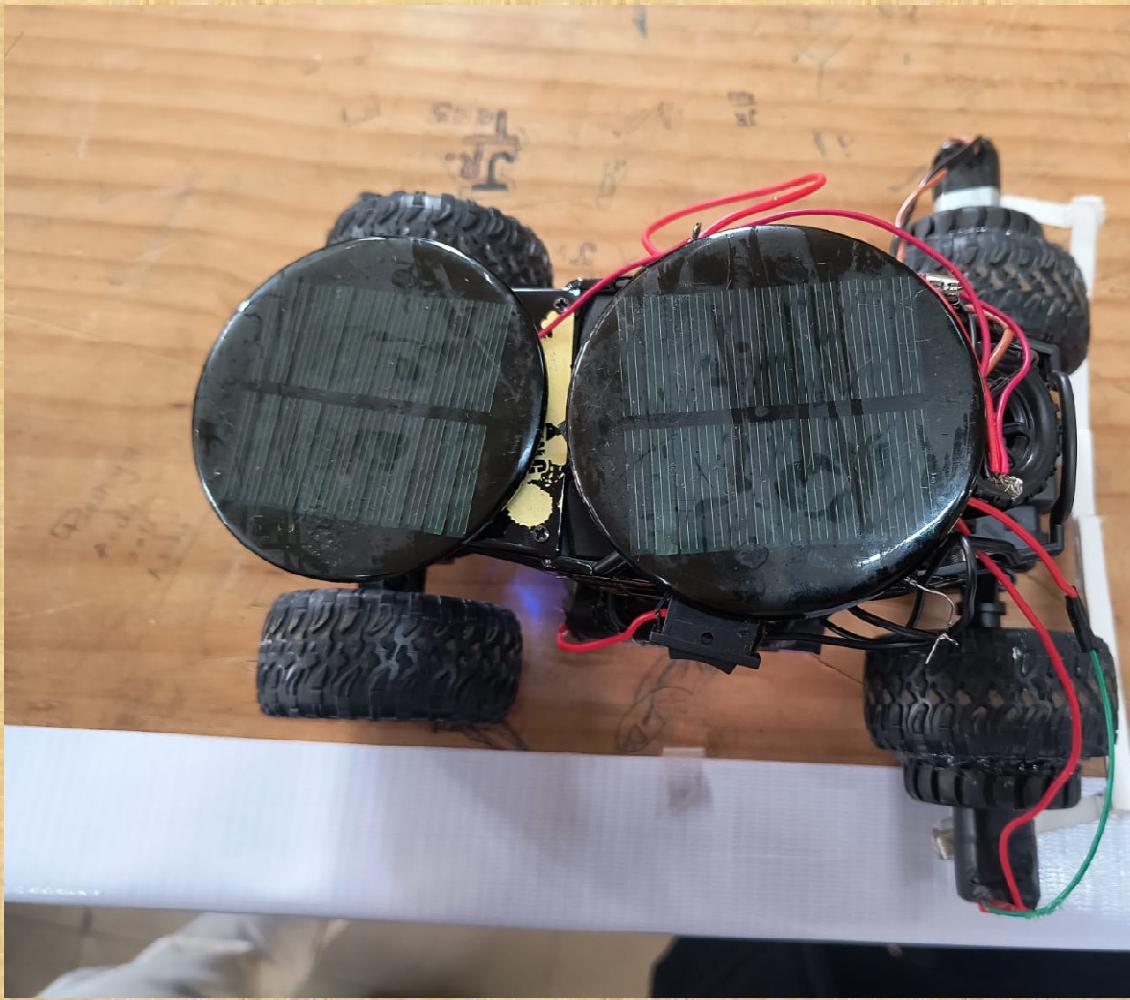
The screenshot shows a Windows application window titled "Handwritten Digit Recognizer". The window has a green header bar with the title and a "Dark Mode" button. The main interface is divided into two main sections: "Input Methods" on the left and "Recognition Results" on the right.

Input Methods: This section contains two buttons: "Draw Digit" (highlighted in green) and "Upload Image". Below these buttons is a placeholder text: "Draw a digit (0-9) in the box below". A large black square input field contains a white handwritten digit "2".

Recognition Results: This section displays the recognized digit "2" in a large green font inside a rectangular box. Below the digit, the text "Confidence: 100.00%" is shown. At the bottom of this section are two buttons: "Recognize Digit" (green) and "Clear" (red).

At the very bottom of the application window, there is a green footer bar with the text "Model loaded successfully" on the left and "Press '?' for help" on the right.

Solar Powered Electric Vehicle



Domain :- Electric Vehicle,
Renewable Energy