CMR College of Engineering & Technology

(UGC Autonomous)

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Centre for Engineering Education & Research (CEER)

UNAUTHORISED PARKING IDENTIFIER

Project Objective

The main aim of our project is to reduce manual work of the traffic police by preventing unauthorized parking with the help of automation.

Existing features

The existing features include 'No Parking' boards which are majorly ignored by the violators. Another existing feature is for the traffic police to take picture manually which may not be accurate.

Identification of a problem

GROUP PHOTO:

Many of us face difficulties due to the traffic caused by many of the people who park their vehicles in unauthorised parking zones. We identified this problem and wanted to find something innovative to solve this problem.

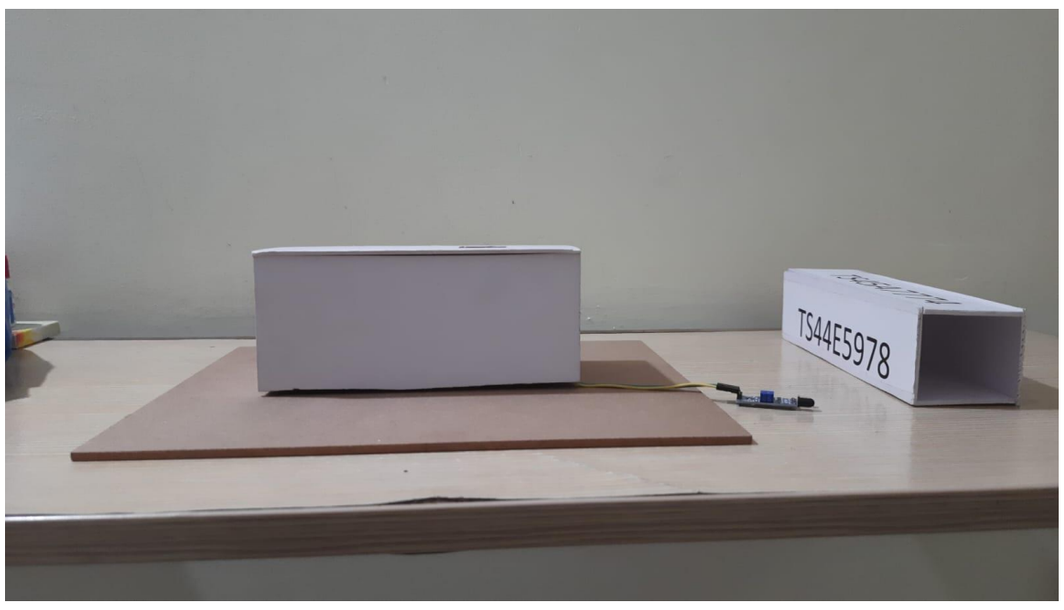
Gaps in existing solutions

One of the most predominant existing solution is the use of 'No Parking' boards in various places. These are almost completely ignored by many people. Another means is for the traffic police to manually capture number plates of vehicles in no parking zone. This requires manpower and sometimes may not be completely accurate.

Required materials

- Raspberry Pi
- Pi Camera
- IR Sensor
- Raspberry Pi OS
- Python IDE(open cv module)

Business model



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