Phase 2: Innovation

PROJECT: TRAFFIC MANAGEMENT

Requirement and Objectives of the Project

The main objective of our Project is to Analysis of the Traffic places and providing the Data of that Traffic Place and Provide easy way for Management.

Materials that mainly used : Arduino Microcontroller, Analog and Digital Sensors, Camera and other basic components.

Software Platform: Either TinkerCad or WOKWI

Innovative things to solve the Traffic problems in Our Projects are Listed Below:

- ✓ Analysis of the Traffic signal Place parameters and also provide all Data that Required to Manage the Traffic.
- ✓ To Provide the notification to the Traffic Police when Any Vehicles are Run in the Over speed with the time and speed of the Vehicle.
- ✓ Also this send the message with which type of Vehicle like two wheelers or Four wheelers.
- ✓ And this provide communication between others Traffic Places .
- ✓ When an Emergency situation like Ambulance Vehicle this communicate with other signals to clear the traffic before it comes.
- ✓ It contain a sensors like Gas sensors that provide the analysis of the surrounding environmental gas pollution level.
- ✓ All the Data are recorded in the cloud for a particular period of the time.
- ✓ It Provide the Efficiency of the traffic level inn common to open website. This helps the people to know the traffic is free or heavy to travel along that side.

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