

Naan Mudhalvan – IoT Project



Project Name: Traffic Management

Project Description: Use IoT devices and data analytics to monitor traffic flow and congestion in real-time. This information can be accessible on a platform or through mobile apps, aiding commuters in choosing optimal routes.

Team Name: Proj_224783_Team_2

Idea Name: GPS manager

Team Member Details

Member 1 Name: Praajeet M R

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Mentor Name: Pratheeba R S

Evaluator Name: Jeba Sundar

Innovation

Steps:

- Connect a custom chip with esp32 board at appropriate pins
- Write the C/C++ code for simulating a GPS using NMEA library
- Compile the code onto the physical device and start testing
- Send the data to a database with the help of an WiFi

Innovation



Steps:

- Create and host a web application for user to interact with
- After authentication fetch and display the data on the site
- Integrate google maps API to show map view with Traffic insights