

Phase 1

Project name: Traffic management

Project ID:proj_223733_Team_4

College:Gnanamani college of technology

Branch: Information Technology

Year:III

Problem Definition and Design Thinking:

1. Problem Definition:

ABSTRACT:

the integration of GPS sensors into traffic management systems has significantly improved the efficiency of urban transportation. Real-time data collection and analysis enable traffic authorities to make informed decisions, reduce congestion, enhance public transportation, and contribute to a more sustainable and commuter-friendly urban environment. Further research and technological advancements in GPS-based traffic management systems continue to hold great promise for addressing the challenges of modern urban mobility.

Requirements:

GPS sensors

Traffic Cameras

Infrared Sensors

Ultrasonic Sensors

Inductive Loop sensors

Bluetooth and wifi Sensors.

Environmental Sensors.

Mobile App Integration

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