

IOT BASED TRAFFIC MANAGEMENT

**A Project report submitted in partial fulfilment of
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Information Technology

By,

V.SABARINATHAN(513221205018)

**Under the supervision of professor &HOD
Department of Information Technology**

TRAFFIC MANAGEMENT INNOVATION

Traffic management is a critical aspect of urban planning and transportation infrastructure. Innovations in traffic management aim to improve the efficiency, safety, and sustainability of transportation systems.

CONTENT

- Smart traffic signals
- Dynamic pricing and congestion charging
- Traffic management Apps
- Connected vehicles
- Autonomous vehicles
- Road infrastructure upgrades

Innovative Ideas to Manage Urban Traffic:

- Activity for Daily Traffic Problems.
- Dynamic Culture and Mobility.
- Societal and Environmental Changes.

ACTIVITY FOR DAILY TRAFFIC PROBLEMS

The traffic problem is increasing day by day in big cities. There are many main reasons for this. Distorted urbanization, the increase in population, and the increase in the number of vehicles are the 3 biggest factors causing traffic problems in cities.



DYNAMIC CULTURE AND MOBILITY

To maintain good traffic flow, municipalities and provinces use dynamic traffic management. Key components include Dynamic Route Information Panels (also known as DRIPs), matrix signalisers, and also parking guidance systems.



Societal and Environmental Changes

Our transport system is not on a sustainable path. Achievements in terms of mobility have come at some considerable environmental, economic and social cost. Sustainability is a long-term concept, also demanding attention to its social dimension.

