

Project Title:**TRAFFIC MANAGEMENT SYSTEM**

Project Steps

Phase 1: Problem Definition and Design Thinking

- **Project Definition:** The project involves using IoT devices and data analytics to monitor traffic flow and congestion in real-time, providing commuters with access to this information through a public platform or mobile apps.
- The objective is to help commuters make informed decisions about their routes and alleviate traffic congestion.
- This project includes defining objectives, designing the IoT traffic monitoring system, developing the traffic information platform, and integrating them using IoT technology and Python.

Design Thinking:

1. **Project Objectives:** Define objectives such as real-time traffic monitoring, congestion detection, route optimization, and improved commuting experience.
2. **IoT Sensor Design:** Plan the deployment of IoT devices (sensors) to monitor traffic flow and congestion.
3. **Real-Time Transit Information Platform:** Design a web-based platform and mobile apps to display realtime traffic information to the public.
4. **Integration Approach:** Design a web-based platform and mobile apps to display real-time traffic information to the public.