Project Definition: The project involves integrating IOT sensors into public transportation vehicles to monitor ridership, track locations, and predict arrival times. The goal is to provide real-time transit information to the public through a public platform, enhancing the efficiency and quality of public transportation services. This project includes defining objectives, designing the IOT sensor system, developing the real-time transit information platform, and integrating them using IOT technology and Python.

Design Thinking:

1. Project Objectives: Define objectives such as real-time transit information, arrival time prediction, ridership monitoring, and enhanced public transportation services.

2. IOT Sensor Design: Plan the deployment of IOT sensors (e.g., GPS, passenger counters) in public transportation vehicles.

3. Real-Time Transit Information Platform: Design a web-based platform to display realtime transit information to passengers

4. Integration Approach: Determine how IOT sensors will send data to the real-time transit information platform.