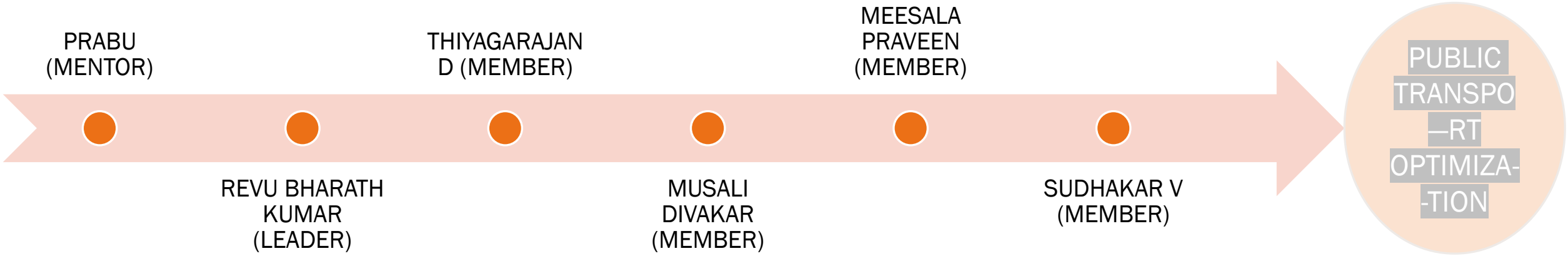
PUBLIC TRANSPORT OPTIMIZATION

TEAM DETAILS



PROJECT DEFENITION :

- The project involves integrating IOT sensors into public transportation vehicles to monitor ridership monitoring.
- To track locations and predicts arrival times.
- The goal is to provide real time transmit information to the public through a public platform enhancing the efficiency and quality of public transportation services.

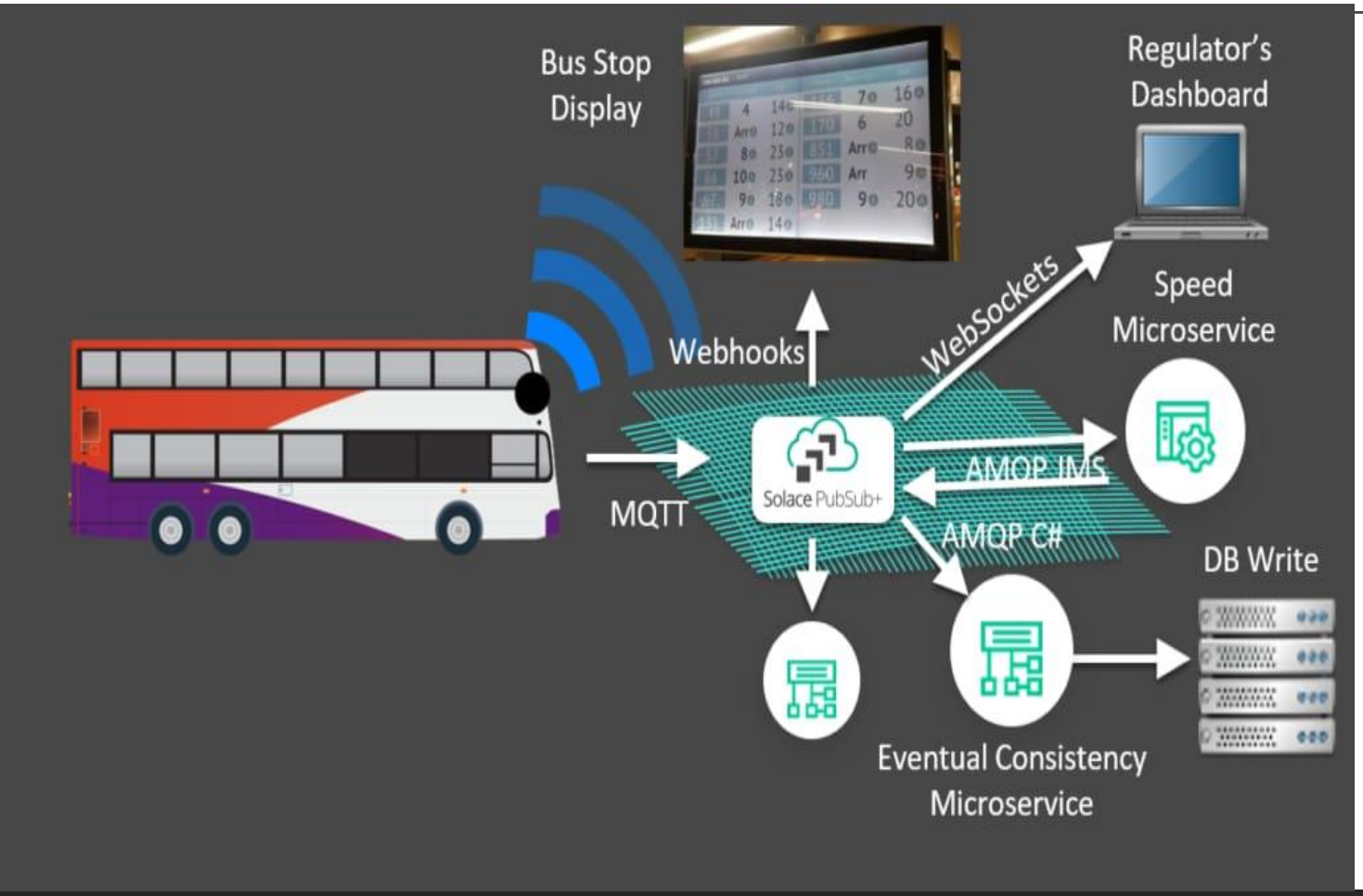
PROJECT OBJECTIVES :

- This projects includes defining objectives designing the IOT sensor system, developing the IOT sensor system, developing the real time transit information platform, integrating using IOT technology and python.
- This project main aim is to find a set of routes, each assigned to a vehicle by using IOT sensor system technology.
- This optimization can help to track the moving object in real time and minimize the cost of user incentives.

DESIGN THINKING :

- IOT sensor design;
- Real –Transit information platform;
- Integration approach;

IOT SENSOR DESIGN :



- We use GPS(Global Positioning System) sensor is used for tracking the bus.
- The GPS are used for tracking the precise location of buses in real time.
- From the sensor, we analyse the location and send the data to other platform like websites.

REAL TRANSIT INFORMATION PLATFORM :

- We need to create a website that accepts our GPS data's.
- We need to create a website using javascript code and that code receives and process the sensor data sent from frontend.
- We need a database storage system to store the data.

INTEGRATION APPROACH :

- To merge GPS sensor data into a website, we use javascript to fetch and display the data directly in the web browser.
- We can use web application and the web app is accessed through a web browser and runs on web server.
- Throughout the testing our website to ensure that it is accurately display our data.

Thank you