**Introduction**

As a bustling metropolis and economic hub in Malaysia, Johor Bahru relies heavily on its public transportation network to facilitate the mobility of its residents and workforce. However, navigating the city's bus system often presents challenges for commuters, particularly in predicting bus arrival times and minimizing wait times at bus stops. The inherent variability of traffic conditions, coupled with the lack of real-time information, exacerbates the uncertainty and inconvenience experienced by passengers as they plan their journeys across the city. Therefore, this project aims to enhance the user experience and efficiency of public bus systems in Johor Bahru by introducing a real-time tracking system. Specifically, our objectives include reducing average waiting times, increasing ridership levels and improving overall satisfaction among commuters.

This project proposal provides a comprehensive clarification of the project overview, organizational background study including problem definitions, feasibility study, and project planning. It offers detailed insights into each aspect, shedding light on the objectives, challenges, economic viability, and strategic planning involved in enhancing public bus systems.