



Pradnya Niketan Education Society Pune's
**NAGESH KARAJAGI ORCHID COLLEGE OF
ENGINEERING & TECHNOLOGY, SOLAPUR**
An Autonomous Institute

Approved by AICTE, New Delhi, Govt. of Maharashtra & Affiliated to DBATU, Lonere



(With CGPA 3.32)

Department of Artificial Intelligence and Data Science “Real-Time Public Transport Tracking for Small Cities”.

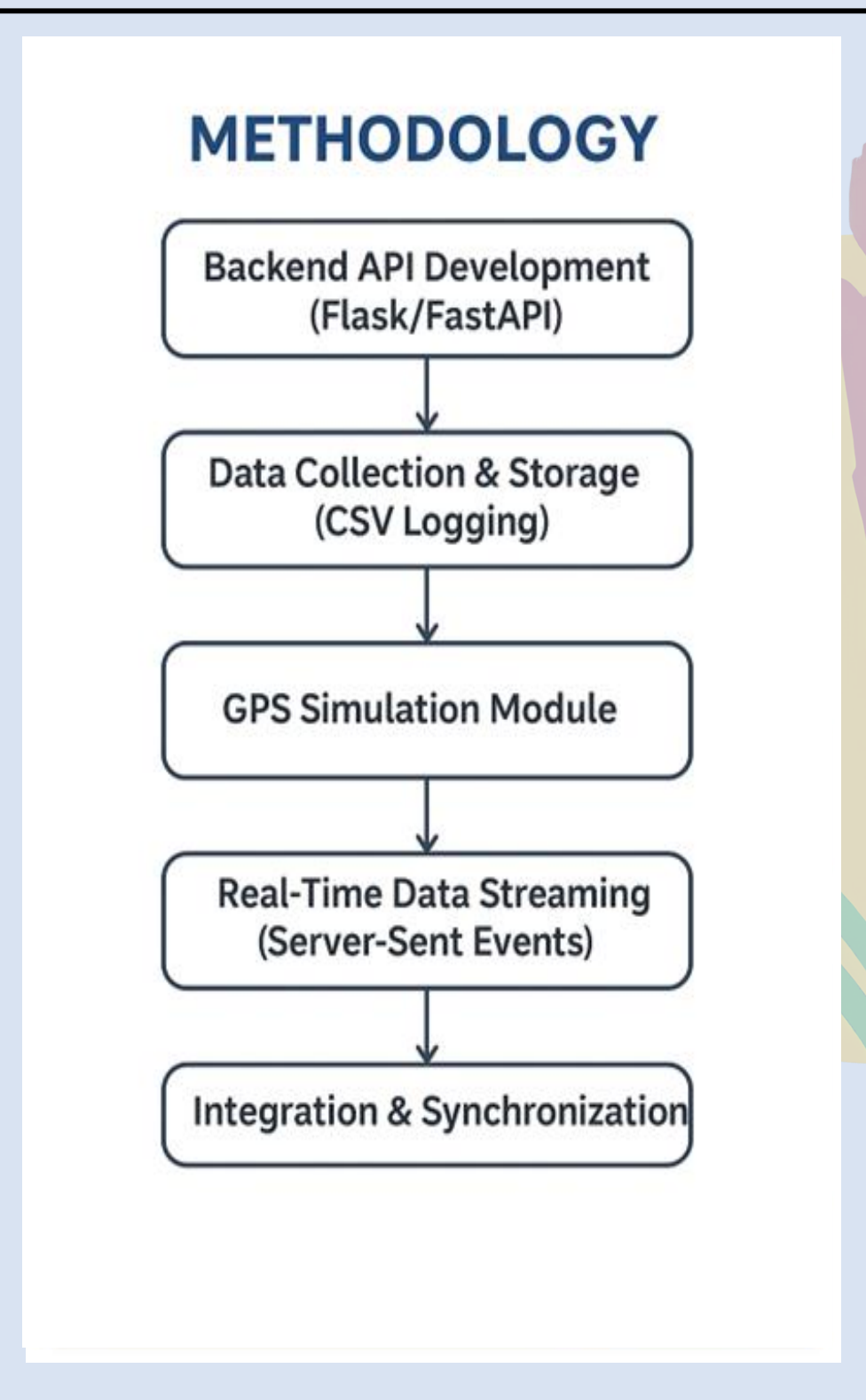
Introduction or Abstract

This project uses a lightweight Flask backend, real-time GPS data, and an interactive web dashboard to track public transport vehicles live in small cities. It includes a simulation engine for testing without hardware and provides route maps, stop details, ETA, and multi-vehicle monitoring—offering a simple, low-cost, and smart solution for managing transportation efficiently..

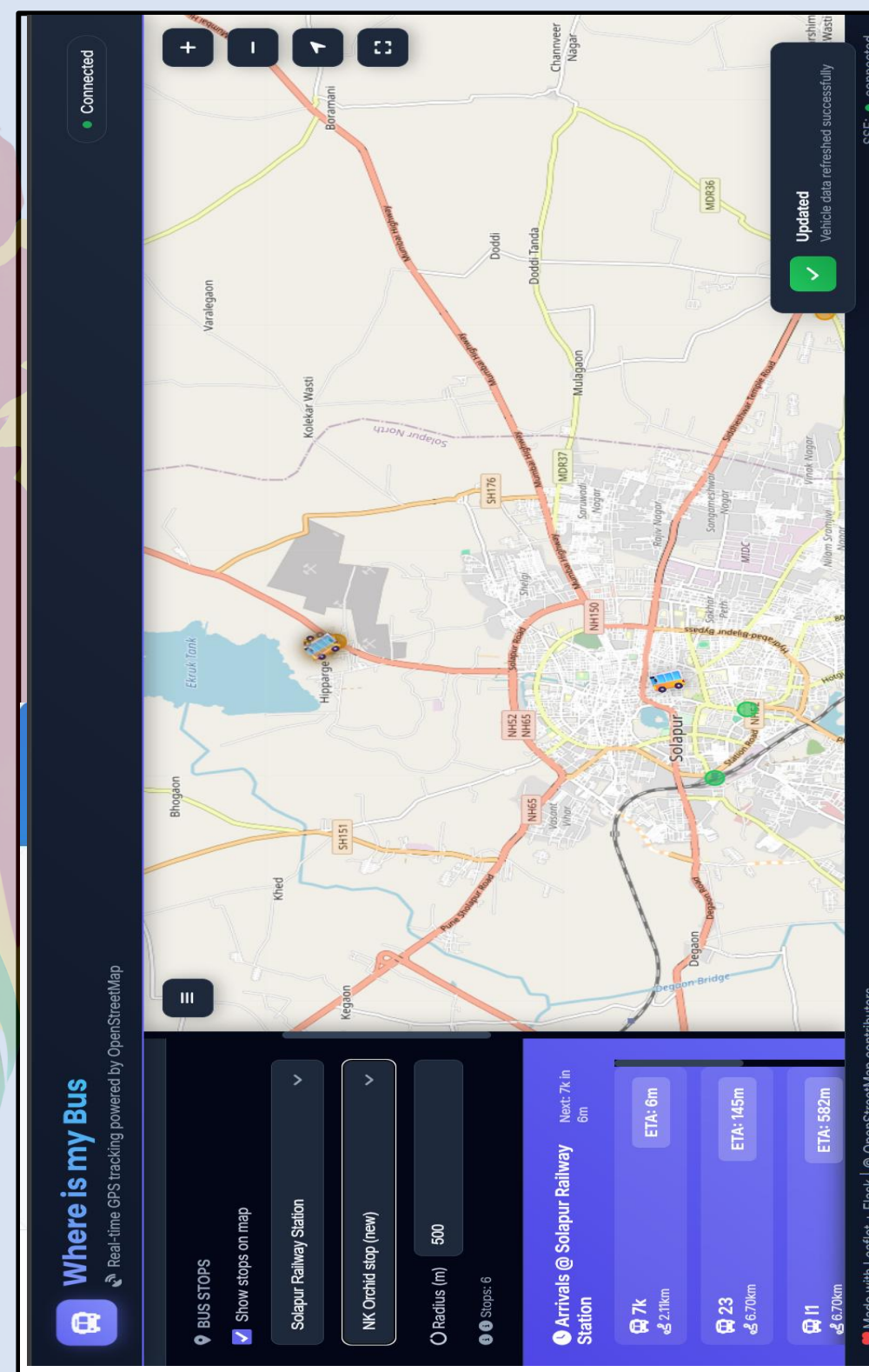
Objective

1. To provide real-time vehicle tracking using a lightweight backend, GPS data, and an interactive map interface.
2. To use a simulation engine and live dashboards to display routes, stops, ETA, and multi-vehicle status for efficient transport monitoring.

Methodology



Result



Conclusion

This project successfully integrates a lightweight backend, GPS tracking, simulation, and an interactive web dashboard to provide real-time vehicle locations, route maps, stops, and ETA, making public transport monitoring more efficient, accurate, and user-friendly.

Project Team

Guide: Prof. N. B. Aherwadi
Zahid Khan – 43
Arshad Perampalli – 63
Sahil Lanadge – 09
Safwan Shaikh – 65