Project Design Phase-II
Technology Stack (Architecture & Stack)

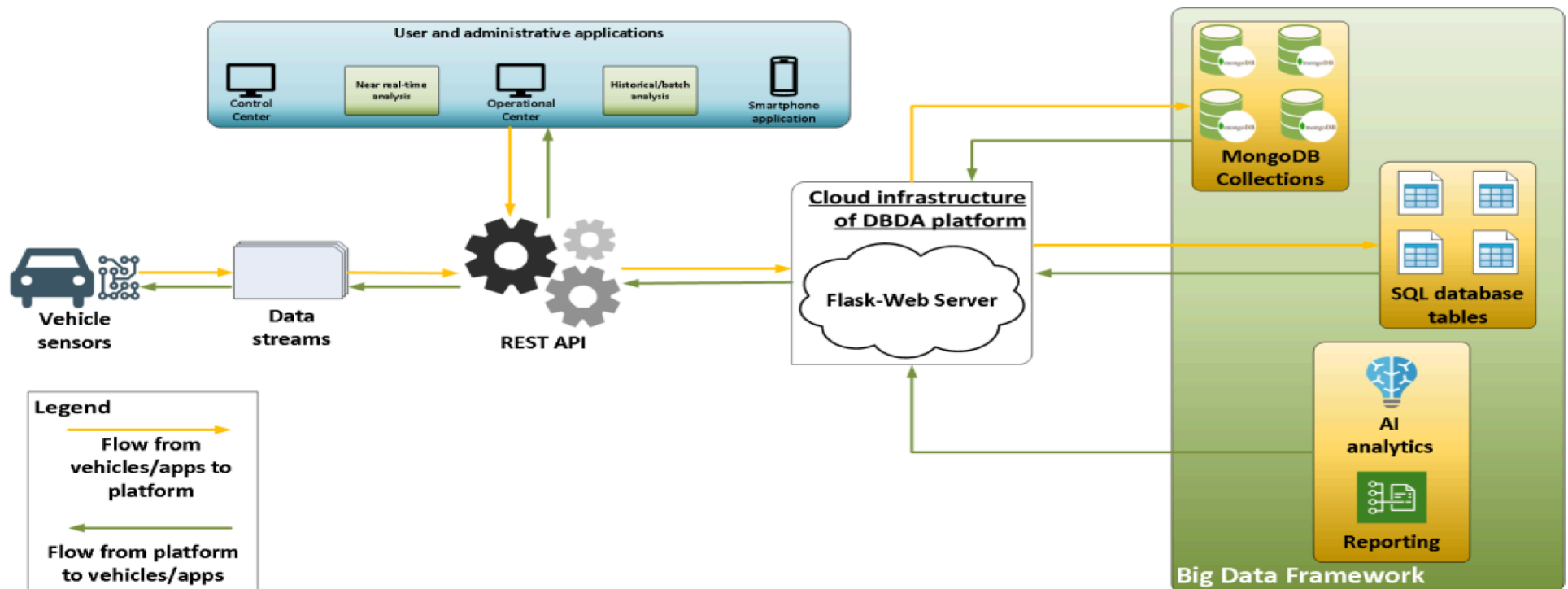| Date	25 February 2026
Team ID	LTVIP2026TMIDS40890
Project Name	Visualization Tool For Electric Vehicle Charge and Range Analysis
Maximum Marks	4 Marks

Technical Architecture:

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Dashboard Viewing	Tableau Dashboard
2.	Application Logic-1	Data Processing	Tableau Excel/Prep
3.	Application Logic-2	Visualization Logic	Tableau Desktop
4.	Database	CSV Storage	Local Files
5.	File Storage	Dataset Storage	Local System
6.	External API	Not Used	NA
7.	Machine Learning Model	Not Applicable	NA
8.	Infrastructure (Server / Cloud)	Deployment Platform	Tableau Public

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Visualization Tools	Tableau Public
2.	Security Implementations	Public access control	Tableau Permissions
3.	Scalable Architecture	New datasets can be added	Tableau
4.	Availability	Online hosted dashboards	Tableau Public
5.	Performance	Optimized visual rendering	Tableau Engine