

**Project Design Phase-II
Data Flow Diagram & User Stories**

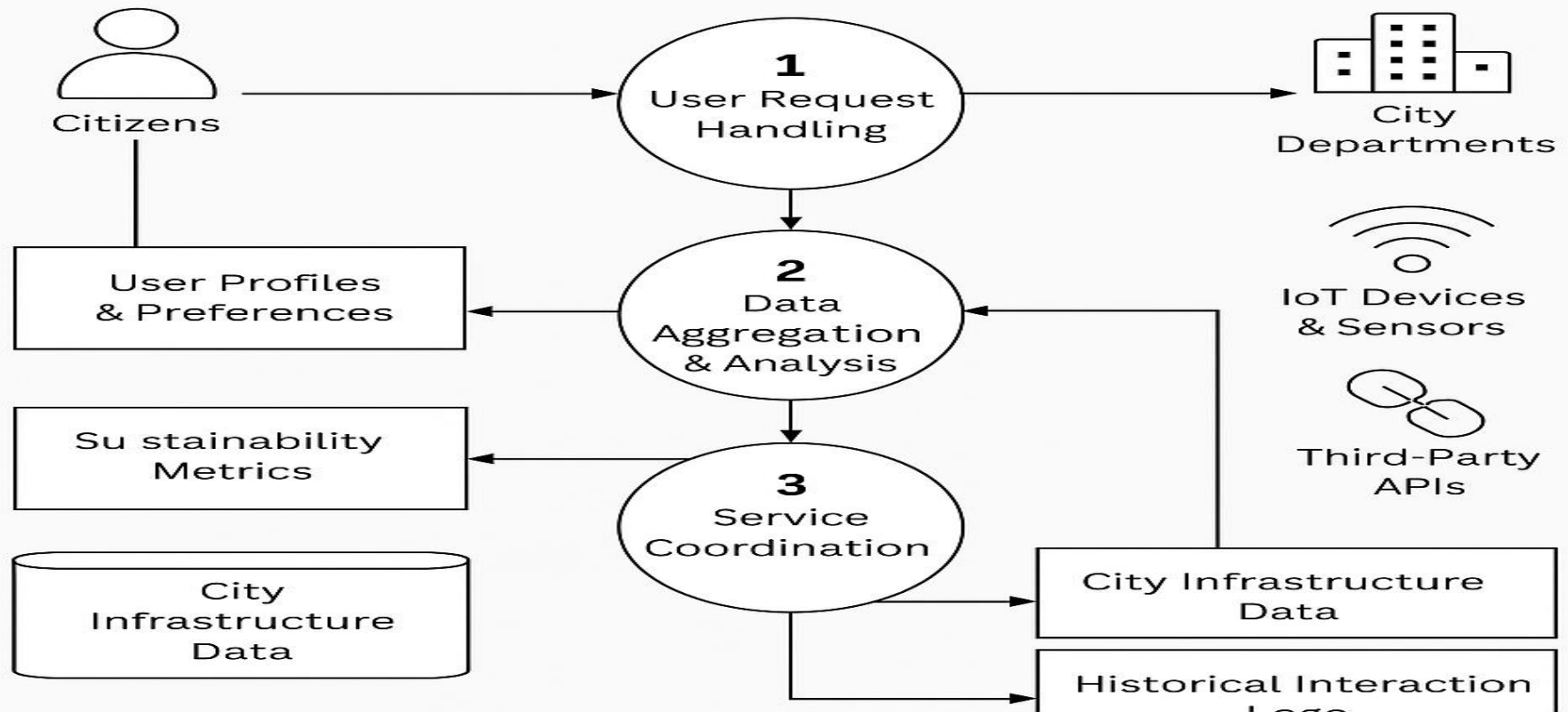
Date	28 June 2025
Team ID	LTVIP2025TMID35907
Project Name	Sustainable Smart City Assistant
Maximum Mark	4 Marks

Data Flow Diagrams:

A sustainable smart city assistant connects people, data, and technology to promote greener, more efficient living. It gathers information from citizens, sensors, and policies—analyzes it—and delivers useful insights, eco-friendly tips, and city services in real time. Simple, smart, and sustainably aligned.

- **User interactions are managed through a conversational interface. Real-time data from sensors and APIs is aggregated and cleaned.**
- **Analytics predict resource usage and detect anomalies.**
- **Policy documents are summarized into digestible insights.**
- **Recommendations are generated for citizens and planners.**

SUSTAINABLE SMART CITY ASSISTANT



User Stories

user stories for a Sustainable Smart City Assistant:

- **Citizens** want *helpful, everyday tools*—like eco-tips, real-time transit updates, and issue-reporting features—to make more sustainable choices and stay engaged with their city.
- **City Officials** need *data-driven insights* and *summarized feedback* to shape responsive policies and prioritize citizen needs effectively.
- **System Administrators** focus on *system reliability* and continuous improvement through monitoring and testing of AI models and sensor data.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
citizen	Registration	USN-1	As a resident, I want personalized eco-tips based on my habits	citizens believe the assistant improves their daily life or decision-making.	High	Sprint-1
		USN-2	As a commuter, I want real-time transport and traffic updates	The system is intuitive and accessible to users of all digital skill levels.	High	Sprint-1
		USN-3	As a concerned citizen, I want to report issues like leaks or dumping	Citizens feel their data is secure and the assistant is reliable.	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail		Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password		High	Sprint-1
	Dashboard					

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
city officer			Supports local, state, and national sustainability goals and urban development plans.			
Customer Care Executive			Provides actionable insights from real-time and historical data to inform planning.			
Administrator						