Project Design Phase-II
Data Flow Diagram & User Stories

Date	22 May 2023
Team ID	NM2023TMID15643
Project Name	Intelligent people and vehicle counting system for secretariat

Data Flow Diagrams:A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.
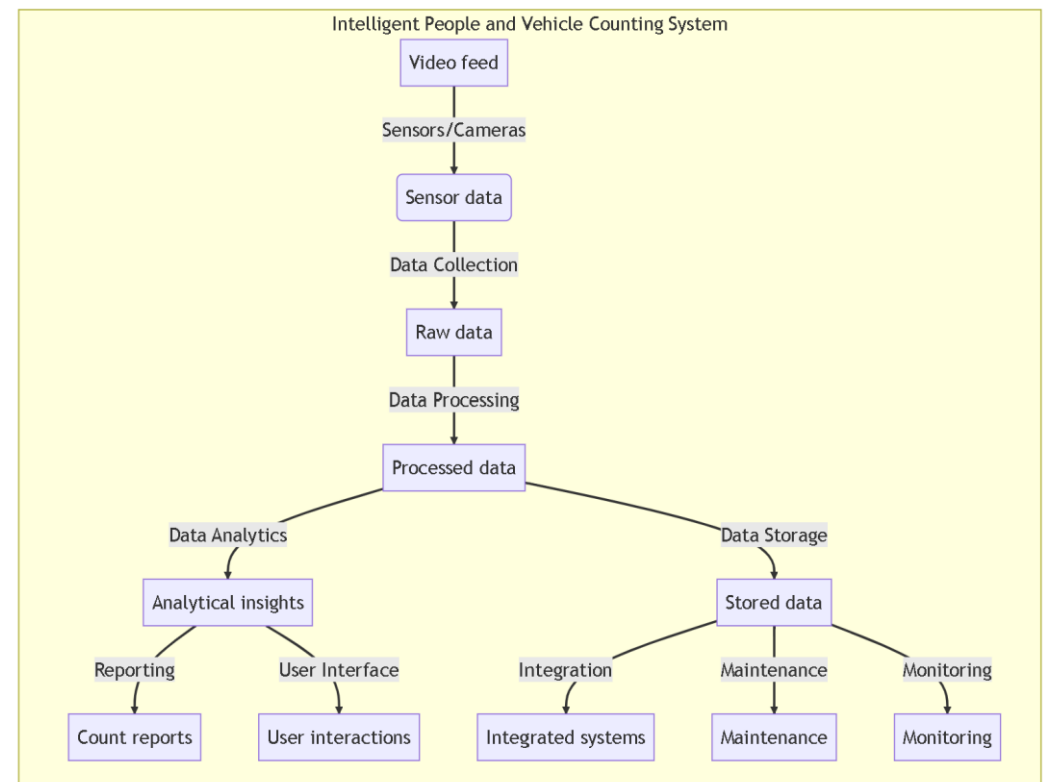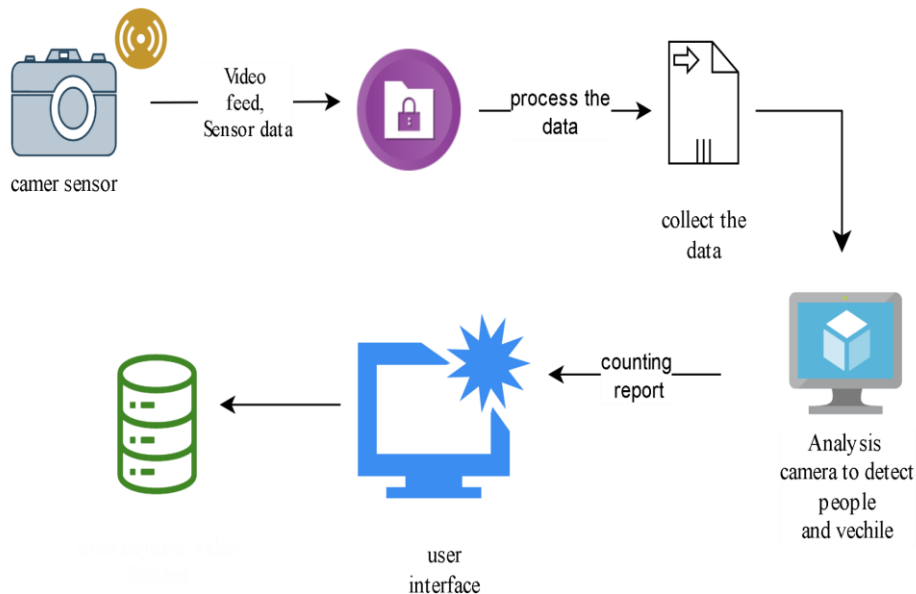
User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Team
Security Personnel	Real-time People Counting	USN-1	As a security personnel, I want real-time people counting at entry/exit points so that I can monitor and control access.	People count is updated in real-time at entry/exit points.	High	Akalyasri D
Facility Manager	Parking Occupancy Tracking	USN-2	As a facility manager, I want to track parking occupancy levels to efficiently manage parking space availability.	Real-time parking occupancy information is displayed.	High	Dhivyadharshini M
Management Staff	Comprehensive Reports	USN-3	As a management staff member, I want comprehensive reports on people and vehicle counts for different areas	Reports include historical and real-time data.	Medium	Anusurya N
Maintenance Team	Sensor/Camera Notifications	USN-4	As a maintenance team member, I want to receive notifications of sensor or camera malfunctions for timely troubleshooting.	Automated notifications are sent for sensor/camera malfunctions.	Medium	Sandra Grace G
User	Integration with Security Infrastructure	USN-5	As a user, I want the counting system to integrate with the existing security infrastructure for seamless access control.	Integration enables authentication and authorization processes.	Medium	Akalyasri D
Administrator	User-Friendly Interface	USN-6	As an administrator, I want a user-friendly interface to configure counting zones, adjust sensitivity settings, and customize reporting parameters.	Interface allows easy configuration and customization.	High	Anusurya N
Data Analyst	Clean and Structured Data	USN-7	As a data analyst, I want clean and structured data on people and vehicle counts for in-depth analysis and insights.	Data is clean, well-structured, and suitable for analysis.	High	Sandra Grace G
Visitor	Signage and Wayfinding Assistance	USN-8	As a visitor, I want clear signage and wayfinding assistance based on the counting system data.	Signage and assistance are based on real-time counting data.	Medium	Dhivyadharshini M

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Team
Security Manager	Data Privacy Compliance	USN-9	As a security manager, I want the counting system to ensure compliance with data privacy regulations.	System follows data privacy regulations for captured data.	High	Akalyasri D
System Administrator	Scalability	USN-10	As a system administrator, I want the counting system to be scalable for future expansion and growth.	System can easily scale to accommodate additional areas.	Medium	Dhivyadharshini M