Project Design Phase-II
Data Flow Diagram & User Stories

Date	19 October 2023
Team ID	Team-593022
Project Name	Project – Vehicle Counter
Maximum Marks	4 Marks

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.
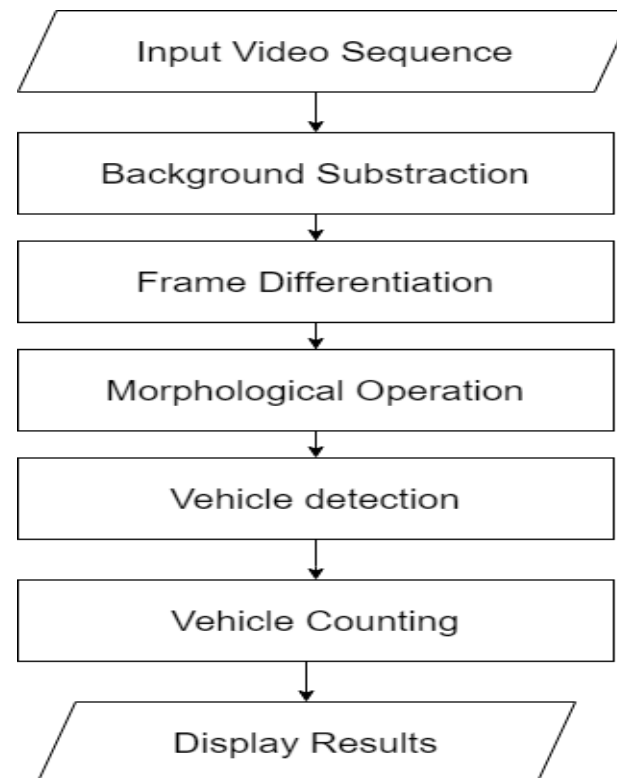
User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer		USN-1 Traffic manager	As a user, I want to monitor real-time vehicle counts at multiple intersections to optimize traffic flow and respond to congestion effectively.		High	Sprint-1
		USN-2 City planner	As a user, I want to access historical vehicle count data to analyze traffic patterns and make data-driven decisions for road improvements and expansion.		High	Sprint-1
		USN-3 Security Officer	As a user, I want to receive immediate alerts when the system detects an unusual pattern of vehicles or an unauthorized entry, so I can respond promptly.		Low	Sprint-2
		USN-4 Traffic engineer	As a user I want the system to distinguish between different vehicle types (e.g., cars, trucks, bicycles) to improve lane assignment and road management.		Medium	Sprint-1
	Login	USN-5 Citizen	As a user, I want access to a public website or app that displays real-time traffic conditions and expected delays based on the vehicle count data.	I want access to a public website or app that displays real-time traffic conditions	High	Sprint-1
	Dashboard	USN-6 Camera operator	As a user, I want the system to provide live feedback on camera alignment and image quality to ensure accurate vehicle counting.		High	Sprint-1