Project Design Phase-II
Data Flow Diagram & User Stories

Date	11 May 2023
Team ID	NM2023TMID11913
Project Name	AI enabled car parking using OpenCV

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.

Data Flow Diagram:
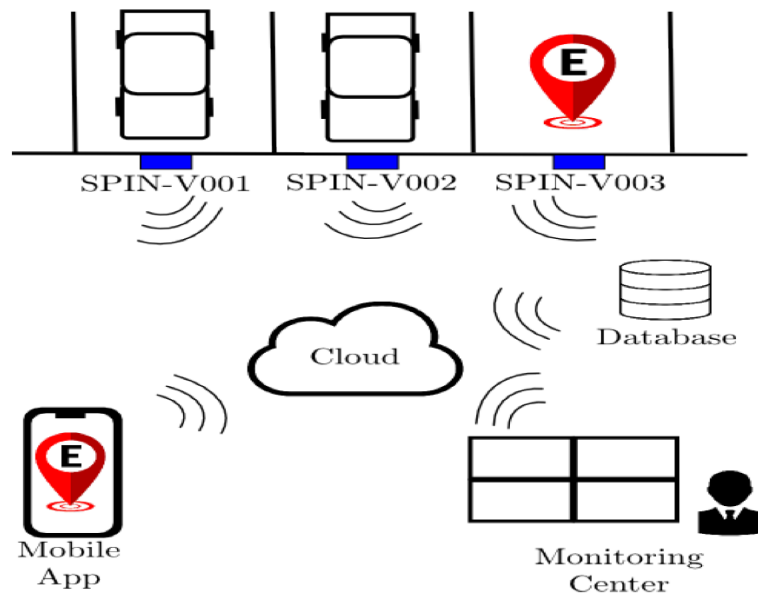
User Stories

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 Member
Customer (Mobile user)	Checking	USN-1	As a driver, I want to be able to locate an available parking spot quickly and easily using the car's built-in camera and OpenCV technology.	The AL-enabled car parking system using OpenCV should accurately detect the presence of a vehicle within the parking lot and allocate the nearest available parking spot to the vehicle.	High	Rogith
	Checking	USN-2	As a parking lot operator, I want to be able to monitor the occupancy of my lot in real-time using OpenCV technology.	The system should be able to handle a high volume of vehicles entering and exiting the parking lot and allocate parking spots in real-time without any significant delays or errors.	High	Nithin prithiv
	Checking	USN-3	As a security officer, I want to be able to identify any suspicious activity in the parking lot using OpenCV technology.	I can register & access the dashboard	Low	Santhosh kumar
	Checking	USN-4	As a user, I can register for the application through Gmail		Medium	lokesh
	Checking	USN-5	As a manager, I want to be able to generate reports on parking lot usage, occupancy rates, and revenue using data collected by OpenCV technology.		High	Mahabob basha
Customer (Web user)			As a security officer, I want to be able to identify any suspicious activity in the parking lot using OpenCV technology.			