Ideation Phase

Define Problem Statement

Team ID	NM2023TMID21776
Project Name	AI Enabled Car Parking Using OpenCV

Problem Statement:

Developing a computer vision-based system that can automatically detect and monitor parking spots in a parking lot using cameras. The system should be able to analyze live video feeds from the cameras and determine the availability of parking spaces.

- This system will use algorithms to detect vehicles and determine whether a parking spot is occupied or vacant.
- The primary goal of this system is to improve the efficiency of parking management, reduce congestion in parking lots, and provide a better parking experience for customers.
- The system should be able to provide real-time information on the availability of parking spots, allowing drivers to find parking quickly and easily.
- The system should be able to handle different types of vehicles, including cars, trucks, and motorcycles, and should be able to detect and track multiple vehicles simultaneously.
- The goal of this project is to create an AI-enabled car parking system that is reliable, efficient, and user-friendly.

Template for Problem Statement: