

Ideation Phase

Define the Problem Statement

Date	29 April 2023
Team ID	NM2023TMID01052
Project Name	Project- AI Enabled Car Parking using Open CV
Maximum Mark	2 Marks

Problem Statement Template:

Develop an AI-enabled car parking system using OpenCV that can accurately detect and track vehicles entering and exiting a parking lot, and provide real-time information about available parking spaces.

Car parking is a common problem faced by drivers in busy urban areas. For example, imagine you are driving to a shopping mall during peak hours. However, as time passes, you realize that the parking lot is overcrowded, and it's becoming increasingly difficult to find a spot. You start to feel frustrated and anxious, knowing that you might be late for your appointment or miss out on a great shopping opportunity.

AI-enabled car parking using OpenCV is a computer vision-based project that aims to automate the parking process. The project involves developing an intelligent system that can identify empty parking spaces and it gives the count of available parking spots. The system uses a camera and OpenCV (Open Source Computer Vision) library to capture live video footage of the parking lot.

