

## Ideation Phase

### Empathize & Discover

Date	10 May 2023
Team ID	NM2023TMID16367
Project Name	AI enabled Car parking using Open cv.
Maximum Marks	4 Marks

#### Problem statement:

Design an automated car parking system that uses artificial intelligence and computer vision techniques to detect and guide cars into available parking spaces. The system should be able to

- Detect and recognize the presence of a car in a parking space using OpenCV.
- Determine the availability of a parking space by analysing the occupancy status of each parking spot in real-time.
- Guide drivers to available parking spaces by providing real-time information about the location of available spots. Monitor the parking lot and generate reports on occupancy trends, usage patterns, and other relevant statistics

