

# Project Design Phase – 1

## Proposed Solution

Date	16 November 2023
Team Id	Team-592467
Project Name	AI Enable car parking using OpenCV
Maximum Marks	2 Marks

### **Proposed Solution:**

Project team shall fill the following information in proposed solution template.

S. No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Locating an available parking space at the shortest distance from an initial point.
2.	Idea / Solution description	The aim of this project is to distinguish between vacant and occupied parking slots, assigning sequential numbers to each slot in ascending order to identify the nearest unoccupied slot with the minimum distance.
3.	Novelty / Uniqueness	With the method described above, the parking slots are categorized into occupied and unoccupied slots.
4.	Social Impact / Customer Satisfaction	Implementing this method will decrease the time required to park their vehicle, ultimately enhancing customer satisfaction.
5.	Business Model (Revenue Model)	The outcome of this project could be applied in public spaces, enabling them to attain a high level of accuracy.
6.	Scalability of the Solution	The result of this project will prove highly beneficial for the parking management system.