

**Project Design Phase-III**  
**Proposed Solution Template**

Date	2 <sup>nd</sup> November 2023
Team ID	592031
Project Name	Project - AI Enable car parking using OpenCV
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none"> <li>i. Other lot owners have increased the price for parking the cars.</li> <li>ii. Lack of trust in AI due to low accuracy.</li> <li>iii. Cars are not properly alleged in the parking lots.</li> </ul>
2.	Idea / Solution description	<ul style="list-style-type: none"> <li>i. By giving some amount from our parking revenue (20-30%).</li> <li>ii. By increasing the accuracy and giving awareness that AI can be useful.</li> <li>iii. Creating an ecosystem/application in the car so that the parking lines are clearly visible and park the car perfectly.</li> </ul>
3.	Novelty / Uniqueness	<ul style="list-style-type: none"> <li>i. Real-time imaging and showing accurate parking space and tracking.</li> <li>ii. Environment sustainable – finding the best parking for EVs.</li> </ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"> <li>i. Traffic can be reduced by proper parking more efficiently.</li> <li>ii. By giving rewards (like 5% off) for every successful parking in the parking lots.</li> <li>iii. Reduces search time for the parking</li> </ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> <li>i. Pay-per-use: Charging customers based on the time or number of times they use the parking system.</li> <li>ii. Advertising: Generating revenue through ads on your platform or partnering with local businesses.</li> </ul>
6.	Scalability of the Solution	<ul style="list-style-type: none"> <li>i. Network Scalability: Plan for network infrastructure that can handle increased data transmission and communication between cameras, sensors, and the central system.</li> <li>ii. Giving exclusive features for monthly and yearly subscribed users.</li> </ul>