Project Design Phase-I
Proposed Solution

Date	07/MAY/2023
Team ID	IBM--18527-1682584903
Project Name	AI Enabled Car Parking Using OpenCv
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	The problem to be solved is the difficulty in finding available parking spaces in busy areas, which can cause frustration and waste of time for drivers.
2.	Idea / Solution description	The proposed solution is an AI-enabled car parking system using OpenCV, which can detect and classify available parking spaces in real-time. This system can guide drivers to available parking spaces using a mobile app, reducing the time and effort required to find a parking spot.
3.	Novelty / Uniqueness	The proposed solution is unique in that it uses OpenCV, an open-source computer vision library, to detect and classify available parking spaces. This system can be easily implemented and customized for various parking areas, making it a cost-effective and efficient solution.
4.	Social Impact / Customer Satisfaction	The proposed solution can have a significant social impact by reducing traffic congestion and emissions caused by drivers circling around in search of parking spaces. Additionally, it can improve customer satisfaction by providing an easy and convenient way to find available parking spaces.
5.	Business Model (Revenue Model)	The business model for this solution can be based on a subscription-based model, where customers pay a monthly fee to use the parking guidance system. Additionally, revenue can be generated through partnerships with parking lot operators or municipalities.
6.	Scalability of the Solution	The proposed solution is highly scalable as it can be easily implemented in various parking areas. It can also be expanded to include additional features, such as payment integration and parking reservation, to further enhance the user experience.

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Written and submit by.

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