

**Project Design Phase-I**  
**Proposed Solution**

Date	02 May 2023
Team ID	NM2023TMID16367
Project Name	AI Enabled Car Parking Using Open CV
Maximum Marks	2 Marks

**Proposed Solution – AI Enabled Car Parking Using Open CV**

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## Problem Statement - 1



S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	I am the long traveller , I'm trying to park my car in lawn , but I am not able to park because there is insufficient space in the lawn which makes me feel bad .
2.	Idea / Solution description	The solution given by car owners is park manually with help of our car parking AI in outside the park area (or) Wait for few minutes to some one give u space to park your car.
3.	Novelty / Uniqueness	The uniqueness is We have to park our car based upon the lawn place & the environment situation .
4.	Social Impact / Customer Satisfaction	The owner feels very happy by got space to park his car safely and the owner gets satisfy .
5.	Business Model (Revenue Model)	On the revenue based its profit for the users No need of any external maintenance and System needed .
6.	Scalability of the Solution	The searching for car parking space time become reduced and to park our car safely without any crash .

## Problem Statement - 2



S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	I am sports car racer when I'm trying to park my car but I couldn't find place to park because that is not fit for parking which makes me confuse.
2.	Idea / Solution description	Unique car lot should be allocated for super cars with regular car paring spot and the super car spot should be booked by the owner to park.
3.	Novelty / Uniqueness	The apt idea and different suggestion will be added . super car should be park in appropriate spots pre booked by them and should no intercept the regular cars.
4.	Social Impact / Customer Satisfaction	Extra space needed for super car parking . normal people can't use the super car parking its unique for that car holders only . the super car holder has free space and feel so happy and safe .
5.	Business Model (Revenue Model)	Unique spots for super car can be charged up to 10% more than that of regular car parking spots.
6.	Scalability of the Solution	AI controlled car parking portal can be developed for parking of all the cars .