

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	06 May 2023
Team ID	NM2023TMID01151
Project Name	AI Enabled Car Parking using Open CV

Functional Requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Username and Password
FR-4	Dashboard	Username and password verification through mail
FR-5	Customer Care	Mail and message services
FR-6	Notification	Through registered mail Through SMS – Registered mobile number

Non-functional Requirements:

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Mobile application or web server
NFR-2	Security	End to end encryption of customer data
NFR-3	Reliability	Reliability rate is 96%
NFR-4	Performance	Parking information, map route navigation, guidance of parking space, edge computing ,intelligent payment and deep learning algorithm
NFR-5	Availability	Worldwide availability in all WiFi enabled areas
NFR-6	Scalability	This could be supplied to various local , international outlets, commercial and governmental organizations.