

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

Date	19 May 2023
Team ID	NM2023TMID10156
Project Name	AI Enabled Car parking

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through the website
FR-2	User Confirmation	Confirmation via Email, Phone number Confirmation via OTP
FR-3	Highlighted Parking Availability Section	to know the total number of parking spaces in the parking area and the available number of spaces.
FR-4	Availability Status Notification	Facilitating User Awareness of Availability
FR-5	Radio buttoned GUI	Enabling the user to secure a singular position within the available space
FR-6	Confirmation popup	Ensuring the user's allocation.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Intuitive and Accessible User Interface (UI)
NFR-2	Security	Secured Login Credentials with Password and Registration Confirmation OTP
NFR-3	Reliability	Real-time Database Management System Updates
NFR-4	Performance	LTE-powered website, Seamless, high-speed connectivity for enhanced digital experience.
NFR-5	Availability	An optimized asset-driven website: Fast, responsive, and visually captivating
NFR-6	Scalability	Easily scales to accommodate growing user demand.