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

Date	16 October 2022
Team ID	PNT2022TMID50070
Project Name	IoT based Signs with Smart Connectivity For Better Road Safety
Maximum Marks	4 Marks

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 e-mail id & Mobile Number
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Web Application	Node -Red-Service
FR-4	Configure to Device	IBM Watson IoT Platform
FR-5	Database	RRI & Road Database
FR-6	Python Script	IBM IoT Platform

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	To help the People to prevent from accident
NFR-2	**Security**	Information sends the Traffic Control Department
NFR-3	**Reliability**	More Consistency and Dependability
NFR-4	**Performance**	Provide Safety and Prevent from accident
NFR-5	**Availability**	Available in Radar sensor, Lidar gun, Geofence
NFR-6	**Scalability**	To exceed future demand