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

Date	23 October 2022
Team ID	PNT2022TMID25909
Project Name	Project – Smart Solutions for Railways
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 Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Train Tracking using GPS system	Tracking the Train location via Web Application
FR-4	Train Season Generation	Registration through Form
FR-5	User Confirmation	Confirmation via Email Confirmation via OTP

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	A friendly functionality that supports novice users and makes burdenless instead of maintaining the paper tickets.
NFR-2	**Security**	Users personal data is highly secured because no leakage of data to the third parties.
NFR-3	**Reliability**	Well grounded due to the confirmation and uniqueness of QR Code.
NFR-4	**Performance**	It provides quick and accurate information .This helps in timeliness of passengers and TTEs.
NFR-5	**Availability**	This web application requires only browsers so that it can support any device of all size and the user need not worry about its storage.
NFR-6	**Scalability**	Since the application is built on cloud, it is highly scalable enabling large amount of users to use it efficiently.