

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

Date	03 October 2022
Team ID	PNT2022TMID12354
Project Name	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
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User QR code	QR code is used for displaying the passenger ticket details.
FR-4	GPS tracker	It tracks the location of the train

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	User can access the application very easily because the application is designed in simple manner because the illiterate can also get benefited by using the application.
NFR-2	Security	The data given by the user is stored in a confidential or in a secure manner and the user data is stored in a highly secured database.
NFR-3	Reliability	It is very easy and reliable for user to access this application and it is user friendly.
NFR-4	Performance	In this application we use cloud server so there are no issues with server down and server crash. so, the performance of this application is very high
NFR-5	Availability	This application is available at 24/7 use the user can avail the application at any time at any location.
NFR-6	Scalability	This application is very adaptable and flexible for users in any kind of situations.