

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

Date	17 October 2022
Team ID	PNT2022TMID41264
Project Name	Project - SMART SOLUTION 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 Web page
FR-2	User Confirmation	Confirmation via OTP through SMS
FR-3	User QR code generation	QR code generation
FR-4	GPS tracker	Current location of train is tracked
FR-5	Available of seat	Based on the available of the seat,we can be book the ticket
FR-6	Testing	UQR =scanned QR from the user ; CQR= the code already obtained by the ticket collector ; if(UQR==CQR) { Print("PASS"); } else { Print("FAIL"); }

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	User can navigate easily to find the location of the train
NFR-2	Security	The details are secured in the database(cloud)
NFR-3	Reliability	Reliable to the user without any failure as it is not fixed to limited number of user
NFR-4	Performance	User -friendly,the performance should effective and efficient
NFR-5	Availability	Available at any time and any where we want.
NFR-6	Scalability	Support the user with their needs in reserving or booking tickets and tracking the location of train