

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

Date	11 October 2022
Team ID	PNT2022TMID42281
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	Ticket booking	Booking through website Booking through developed application Booking through form in the railway station
FR-2	User Confirmation	Generation of e-ticket Generation of QR code
FR-3	Database management	Storing the details of the journey in the server
FR-4	GPS	Tracking the location of the train at any instant
FR-5	GSM	To get a wakeup call prior to the destination
FR-6	E-CATRERING	Providing foods for the registered passengers

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Availability of digital tickets instead of carrying the physical one.
NFR-2	Security	As there is a train tracking facility , It will be an safe journey.
NFR-3	Reliability	Data are saved in the secured server so they doesn't provide any loopholes for the hackers.
NFR-4	Performance	No server crash or server down even many numbers of users access the website at the same time.
NFR-5	Availability	Accessibility through website or application.
NFR-6	Scalability	Easily accessible website with high reliability.