

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

Date	15 October 2022
Team ID	PNT2022TMID18159
Project Name	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	Registration	Registration through Form Registration through Website
FR-2	Confirmation	Confirmation via Email Confirmation via OTP
FR-3	QR Code	Unique QR code is generated and send via email
FR-4	Scanning QR Code	The QR code is scanned by the ticket collector and once he scanned, the details of the user will be displayed to ticket collector
FR-5	User Travel in Train	Using a GPS, the train location is tracked and it is updated live in the website.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	QR Code generated tickets are user-friendly
NFR-2	Security	Since, the data is stored in cloud. The data is secured and can easily retrieved.
NFR-3	Reliability	The live location of user travel is updated in the website and highly reliable
NFR-4	Performance	User-friendly
NFR-5	Availability	Website is available for all time and users can ask queries any time
NFR-6	Scalability	The codes written are highly scalable where any implementation can be done anytime needed.