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

Date	24 October 2022
Team ID	PNT2022TMID18193
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	User Requirements	Smartphone / Laptop Internet QR code Scanner
FR-2	User Registration	Registration through website Manual Registration
FR-3	User Confirmation	Confirmation via OTP sent via Email Confirmation via OTP sent via Phone Number Authentication
FR-4	Payment Options	Net Banking/ UPI Credit/Debit card Digital Wallet
FR-5	User Feedback	Feedback via website Contact the authority via mail Direct Complaint
FR-6	Installation	Directly use via website

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Have an easy to use and understand. Mobile friendly for better reach. Offline access.
NFR-2	Security	Multi-Factor authentication Strong password policy Having strong encryption. Facial Recognition.
NFR-3	Reliability	Periodic updates to fix any bugs in the application. Offline mode for important features for better reliability to use in place with no internet connectivity.
NFR-4	Performance	The payment should be quick and reliable. The application should be user friendly and easy to use.
NFR-5	Availability	The up-time should be 24*7 as train journeys take place throughout the day. Databases should have a history of data.
NFR-6	Scalability	The database should be able to handle a large volume of data especially during peak times. It

		should scale automatically to be cost effective. It should be able to store the data for a certain period of time. It should also handle multiple request and live location.