

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

Date	03 October 2022
Team ID	PNT2022TMID18248
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 Form Registration through Gmail Registration through mobile number
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	selecting train and its details	select the train and providing details about from and to information about the travel
FR-4	booking ticket	booking is done by providing personal details of the user
FR-5	payment methods	selecting payments whether it is UPI or debitcard or anyother payment method
FR-6	Ticket confirmation message	ticket confirming message is send to the particular person through number or mail id
FR-7	Tracking live location	for tracking we use GPS to provide live location of the train.
FR-8	cloud	atlast all the details of the users are stored in cloud .

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	providing QR code for each user instead of providing the tickets which reduce using paper
NFR-2	Security	it can provide security so that third party applicant cannot able to see or alter any data
NFR-3	Reliability	It works properly in all situations.
NFR-4	Performance	performance is well and run at faster rate without any server down. No slow down of process.
NFR-5	Availability	Availability is good .we can access anytime anywhere.
NFR-6	Scalability	It provide ability to handle a growing number of users and load without compromising on performance.

