

	Project Design Phase-II	
	Solution Requirements (Functional & Non-functional)	
Date		13 October 2022
Team ID		PNT2022TMID01176
Project Name		Project - IOT based Smart Booking and Travel
		System for Railways
Maximum Marks		4 Marks

Functional Requirements:

The Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Requirements	1.Mobile Phone
		2.Internet
		3.QR Code Scanner
FR-2	User Registration	1.Manual Registration
		2.Registration through web page
		3.Registration through Application
FR-3	User Confirmation	1.Confirmation via Phone.
		2.Confirmation via Email.
		3.Confirmation via OTP.
		4.Confirmation via SMS.
FR-4	Payment Options	1.Net Banking/UPI.
		2.Credit/Debit/ATM Card.
		3.Digital Wallet.
FR-5	Application	1.Free Installation via Play Store and App store.
	Installation	2.Website is available for free and will function always.
FR-6	Application Feedback	1.Through Web page
		2.Through Phone calls

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	1. Have a Simple and Efficient application demo Video. 2. Easier to use. 3. If a Traveller has a Mobile Phone, they may easily Understand the procedure and make Reservations.
NFR-2	Security	1. Two-step authorization is required to secure the application. 2. Username and password will be assigned in accordance with user requirements.
NFR-3	Reliability	1. Periodic updates should be made to websites and applications. 2. If the booking process is interrupted by an internet outage, we offer an offline mode to complete the detail process.
NFR-4	Performance	1. The user interface of the web application must be user-friendly. 2. Payment methods should be quick and easy.
NFR-5	Availability	1. Provided with the proper train location. 2. Databases are maintained for passenger history. 3. Anytime and Anywhere for online ticket booking