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

Date	13 October 2022
Team ID	PNT2022TMID11066
Project Name	Project - IOT based Smart Booking and Travel System 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**	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 Installation**	1.Free Installation via Play Store and App store 2.Website available for free and always functional
FR-6	**Application Feedback**	1.Through Web page 2.Through Phone calls

Non-functional Requirements:

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.Moreover, payment 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