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

Date	25 October 2022
Team ID	PNT2022TMID01035
Project Name	Project – SMART SOLUTIONS 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	Before the user registration there will be language selector .All the language is applicable. When user enter in to the application they can see the page of showing enter the email , mobile number and name. After that in screen it shows the verification code is sended through the email id.
FR-2	User Confirmation	Confirmation via Email or via phone number OTP Which takes you to the login page .
FR-3	User verification	Verification code is sent to your mobile through text messages.
FR-4	Process of booking	When the home page is opened there will be a from and to option .We must enter the details then after that we can able to see the number of trains availability and seats availability .We can select the particular train and particular seats which we need and click the confirm option.
FP-5	Payment Process	After entering all the details select the payment option like google pay,phone pay, paytym ,etc…….. When we select that method it process through selected payment option then payment should be done carefully,then the ticket is confirmed. After confirmation it will return to the page and we can see the details of booking
FR-6	Confirmation message	After all the QR code will be send through the sms and email id. QR code will be shown to the ticket collector when the QR code is scanned booking details will be shown .

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	In this all content are visible in user requested languages
NFR-2	**Security**	There will be only limited number of access not more than that can enter the portal to download the ticket
NFR-3	**Reliability**	When the user are entering the details,that time if network connection is disabled. All the details will be stored automatically. No need to enter the details again.
NFR-4	**Performance**	This application is very efficient and can be operated from any place with a decent network connection
NFR-5	**Availability**	QR code is sent through the registered mail and through message and also it can be downloaded from the portal before onboarding the train
NFR-6	**Scalability**	At a time more than 300050 people can access the portal and the issues are resolved within 10 min after it is mentioned in the help desk.