

## Project Design Phase-II

### Solution Requirements (Functional & Non-functional)

Date	1-nov- 2022
Team ID	PNT2022TMID40456
Project Name	Smart solutions for railways

#### 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 Mobile no Registration through Gmail
FR-2	User Confirmation	Confirmation via OTP Confirmation via Email
FR-3	Journey details	Provides information such from and to details, date and time of travel.
FR-4	Booking process	Choose a correct train.select seats according to your comfort and confirm your reservation by entering the required details.
FR-5	Confirmation	Ticket confirmation is send to your registered email or mobile number and user can download the e-ticket
FR-6	Tracking	User can view the current location of train.
FR-7	Generation	User can use the QR code which is been generated
FR-8	Reporting issue	User can report the issue
FR-9	Feedback	User can feedback their thoughts.

#### Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	the website should be user friendly and easy to use.
NFR-2	<b>Security</b>	Strong security used to protect the user password and details of the passengers .
NFR-3	<b>Reliability</b>	Easily accessible .Updated and modified as per the convenient of user.Less chance of failure while processing
NFR-4	<b>Performance</b>	The request should be accept in a few second Provides real time notification.
NFR-5	<b>Availability</b>	Consistent performance monitoring.It is available for the user whenever needed.
NFR-6	<b>Scalability</b>	It maintain website traffic with no fast loading speed and top security.