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

Date	03 October 2022
Team ID	PNT2022TMID11580
Project Name	Project – Smart Solutions For Railways Using IOT
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 App
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Login	Login the app using username and password Search the train details
FR-4	Booking Ticket	Choose the train based on their own journey Give the personal details Book the ticket via online
FR-5	Online payment	After booking you need to pay amount via online Many online payments are available in the app You can easily pay amount via online with securely
FR-6	Ticket Cancelation	If you want to cancel the ticket ,it is very easy in the online reservation. You must cancel ticket before the schedule allotment . Then only you can easily get your refund.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	It can be assessed from efficiency of use , intuitive , low perceived work .
NFR-2	**Security**	Security requirements ensure that the software is protected from unauthorized access to the system and its stored data.
NFR-3	**Reliability**	Reliability defines how likely it is for the software to work without failure for a given period of time.
NFR-4	**Performance**	Performance is a quality attribute that describes the responsiveness of the system to various user interactions with it.
NFR-5	**Availability**	Availability is gauged by the period of time that the system's functionality and services are available for use with all operations.
NFR-6	**Scalability**	serving more users, processing more data, and doing more transactions.