Project Design Phase-II
Functional Requirements

Date	03 October 2022
Team ID	PNT2022TMID35177
Project Name	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	Registration through Form Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via Mobile OTP
FR-3	Journey Details	The system must enable the users to search for the available trains with the expected time of arrival and travel for a given source and destination.
FR-4	Ticket Booking	The system must allow the users to book Railway tickets for the seats they prefer.
FR-5	Payment Gateway	The system must provide the payment gateway, using which the users can pay the price of the tickets that they booked.
FR-6	Ticket Verification	The system must generate a unique QR code for each booked ticket and store it in the database so that it can be verified by the Train Ticket Examiner.
FR-7	Live Tracking the Train	The system must track the location of the trains in real time and make it accessible to the users.
FR-8	Push Notification	The system must send push notification to the passengers in case there is a delay in the arrival of the train.
FR-9	Waiting List	The system must show the probability that a ticket will be confirmed from the waiting list.