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

Date	03 October 2022
Team ID	PNT2022TMIDB4-4M6E
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	The passenger should register himself in order to precede the book tickets service.
FR-2	Booking Tickets	For booking tickets passenger needs to be login, check availability of train and confirmation of seats.
FR-3	Check Train & OR code Scanner	If the searched train are available, then the passenger scan the OR code of a train in which they want to travel.
FR-4	Faulty Tickets Identification	Passenger QR ticket has been verified by In-charges through the application. Thus faulty tickets has been identified

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	It has transformed the railway ticket booking from waiting in the long queue into booking tickets from the comforts of your home.
NFR-2	**Security**	Defines how the system should confront the malwares.
NFR-3	**Reliability**	Ability to access system from external environments via secure web interfaces based on privilege access control.
NFR-4	**Performance**	Define the systems capability to handle the workloads.
NFR-5	**Availability**	Stands for the systems reliability and accessibility to the user.
NFR-6	**Scalability**	An application program would be scalable if it could be moved from a smaller to a larger OS and take full advantages of the larger OS in terms of performance and the larger number of users that could be handled.