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

Date	10 October 2022
Team ID	PNT2022TMID11042
Project Name	Project – IOT based 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 Requirements	Ticket Booking through Seat availability Unique ID verification using QR code
FR-2	User Registration	Manual Registration Registration through webpage Registration through Application
FR-3	User Confirmation	Confirmation via Phone Confirmation via Email Confirmation via OTP
FR-4	Payment options	Direct cash payment Net Banking/UPI Credit/Debit/ATM Card
FR-5	Service Feedback	Through Webpage Through Phone calls

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Should be easy for the customers to book the tickets by seeing the seat availability. Even senior citizens should not find any difficulty in ticket booking.
NFR-2	**Security**	Application has to be secured with 2 step authorisation Passwords and passkeys will be assigned as per the users need.
NFR-3	**Reliability**	Software should be updated periodically. Required measures should be taken during server failure.
NFR-4	**Performance**	The Web application must have a good user interface. Payment should also be simpler and faster.
NFR-5	**Availability**	All the features will be available when the user requires and customization has to be done according to the user preference.