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

Date	03 October 2022
Team ID	PNT2022TMID14953
Project Name	Smart Solution 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 Phone Number Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Login to system	Check Credentials Role of Access
FR-4	Manage Modules	Manage System Admins Manage Roles of User Manage user Permission
FR-5	Check whether details	Candidate Details Booking Details QR Code Generation
FR-6	Log Out	Exit

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Focus on physical accessibility (driven by demo trends) likely stratification by affordability.
NFR-2	**Security**	Smart Design with a holistic view of the design, including safety and hazard issues. While this is an established process, using it for capturing safety risks and hazards is only slowly gaining momentum.
NFR-3	**Reliability**	Modelling of customer relations, embracing the understanding of customer experience, cross - channel coherence including self-service.
NFR-4	**Performance**	This will result in standardization, transparency, and scalability in the data, which operators can then use to gain better insights and increased efficiencies.

NFR-5	**Availability**	Predictive maintenance incorporates condition-based monitoring and is based on a forecast of future condition of a railway component using advance analytics with real-time conditions data.
NFR-6	**Scalability**	Often, they suffer from the lack in smart technologies and latest technological updates to provide the most efficient passenger services. This is expected to induce rail executives to build rail systems that are smarter and more efficient.