Project Design Phase-II

Functional Requirements (Functional and Non-functional)

Date	14 October 2022
Team ID	PNT2022TMID16033
Project Name	Smart Solution 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 Visibility	QR –code should be in clear manner. Using the QR-code through computer vision, operators can monitor passenger flow and gather data for advanced analytics to help enable more-informed decision-making around staffing and security.
FR-2	User Understanding	For better understanding of the Users, the QR-code shouldbe big, clear and legible and it can also include illustrations which will make it easily understandable to the Railway officer.
FR-3	User Convenience	The QR-code should be Available anywhere that it should be Scanned form anywehre

Non-Functional Requirements:

Following are the Non-Functional Requirements of the proposed solution

FR No.	Non-Functional Requirements	Description
NFR-1	**Usability**	It should be able to Upgrade and Update when there is a need for it.
NFR-2	**Security**	It should have good security system so that no other person is able to hack and display their own details
NFR-3	**Reliability**	It should be able to get the information correctly and error-free.
NFR-4	**Performance**	It should be able to automatically update itself when Certain number of persons scan the code.
NFR-5	**Availability**	It should be available 24/7 so that it can be beneficial to the customer
NFR-6	**Scalability**	It should be able to easily change and upgrade according to change and need in requirement.