CAPE INSTITUTE OF TECHNOLOGY

LEVINGIPURAM

DEPARTMENT OF ELECTRONICS AND COMMUNICATION

ENGINEERING

IBM NALAIYA THIRAN

Project Design Phase-II

Solution Requirements (Functional & Nonfunctional)

DATE	24 SEPTEMBER 2022
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PROJECT NAME	PROJECT – SMART SOLUTION FOR RAILWAYS
MAXIMUM MARKS	2 MARKS

DATE	24 October 2022
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	Registration through Form
FR-2	User Confirmation	Confirmation via EmailConfirmation via OTP
FR-3	User QR code generation	QR code is generated
FR-4	GPS tracker	Location is tracked

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Users can navigate easily
NFR-2	**Security**	The details are secured in the database
NFR-3	**Reliability**	Reliable to the users without any failure as it is not fixed to limited number of users
NFR-4	**Performance**	User-friendly
NFR-5	**Availability**	Available any time at the time of ease
NFR-6	**Scalability**	Support the users with their needs in reserving ticket and tracking the location.