Team ID	PNT2022TMID53688
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 Web page
FR-2	User Confirmation	Confirmation via OTP through SMS or OTP through gmail
FR-3	User QR code generation	QR code generator
FR-4	GPS tracker	Current location of train is tracked
FR-5	Available of seat	Based on the availability of the seat respective to gender, we can be book the ticket with own convenience.

FR-6	Testing	UQR =scanned QR from the user ;
		 CQR= the code already obtained by the ticket collector ;
		 if(UQR==CQR)
		 {
		   Print("PASS");
		 }
		 else
		 {
		   Print("FAIL");
		 }

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	User can navigate and easily to find the location of the train
NFR-2	**Security**	Each individual is safe and details are secured in the cloud database
NFR-3	**Reliability**	Reliable to the user without any failure.
NFR-4	**Performance**	User friendly and easy to use.
NFR-5	**Availability**	Availability we can access it 24*7 using the internet.
NFR-6	**Scalability**	Support the user cost of the reservation, available seats and track the train's status.