Project Design Phase-I
Proposed Solution Template

Date	31 October 2022
Team ID	PNT2022TMID31441
Project Name	Project - SMART SOLUTIONS FOR RAILWAYS
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in the proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	➤ On-site ticket booking may take a lot of time and there is an issue of losing their manual tickets. ➤ Even in online booking we should have a copy of the ticket as softcopy, in case if that ticket gets erased or lost it will be sometimes difficult to retrieve it. ➤ Here we need to show the printed copy or soft copy of tickets and ID card proofs to Ticket checker.
2.	Idea / Solution description	➤ Book tickets using QR Code in the railway ticket booking system. ➤ We get the details of the passengers. We track the current location of the particular train. ➤ We provide a unique ID for passengers to secure their information and we will have a chatbot for customer queries.
3.	Novelty / Uniqueness	➤ Efficient booking system, verifying validity of the ticket and only registered users can book the tickets. ➤ Each passenger will be provided by giving a unique ID to them during first login so that their data will be stored and processed securely. ➤ GPS tracking facility will be provided to track the current location ➤ We provide chatbot for customers queries and that will be solved as soon as possible.
4.	Social Impact / Customer Satisfaction	➤ Passenger data will be more securely maintained. ➤ Perfect way to reserve tickets.

		➢ User friendly environment

		➢ Query section for customer
5.	Business Model (Revenue Model)	➢ Using a chat bot, we can contact the user's ticket booking. ➢ The chatbot can give instructions to the users based on their location. ➢ It will store the customer's details and ticket orders in the database. ➢ The chat bot will send a notification to customers if the booking is confirmed. ➢ Chat bots can also help in collecting customer feedback.
6.	Scalability of the Solution	➢ This model can be easily adopted among online users and it can be easily deployed. ➢ It can be used and accessed by everyone and it can handle the requests from the customers