Project Design Phase-I
Proposed Solution

Date	29 September 2022
Project Name	Smart Railway Solutions
Maximum Marks	2 Marks

Proposed Solution Template:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To reduce the workload of the user and also the use of paper.
2.	Idea / Solution description	1. A Web page is designed for the public where they can book tickets by seeing the available seats. 2. After booking the train, the person will get a QR code which has to be shown to the Ticket Collector while boarding the train. 3. The ticket collectors can scan the QR code to identify the personal details. 4. A GPS module is present in the train to track it. The live status of the journey is updated in the Web app continuously. 5. All the booking details of the customers will be stored in the database with a unique ID and they can be retrieved back when the Ticket Collector scans the QR Code.
3.	Novelty / Uniqueness	This project provides a live location tracking of the train to every passenger.
4.	Social Impact / Customer Satisfaction	This will bring an elite feel and this project will reduce the paperwork .It will bring in a choice for the passengers to choose their own seats and can keep a live track of the route of the train.

| 5. | Scalability of the Solution | This will take the technology level to the next stage and will reduce the hypertension of passengers during the last minute of booking.This can also bring in the awareness of trains being delayed well in advance due to live tracking. |