Project Design Phase-I
Proposed Solution

Date	19 September 2022
Team ID	PNT2022TMID53640
Project Name	Project – Smart Solutions For Railways
Maximum Marks	2 Marks

Proposed Solution Template:

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

S. No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	• In this we are providing an efficient way by introducing paperless tickets using QR code for people. • To design a GPS module to track the location of the train for alerting the people.
2.	Idea / Solution description	• Smart Solutions for railways are designed to reduce the work load of the user and also eliminate the use of paper.
3.	Novelty / Uniqueness	• After booking the ticket a QR code will be generated so that ticket collectors will scan to get the details of passengers. • In this the people will be alerted in the mobile phone before their destination arrives.
4.	Social Impact / Customer Satisfaction	• People will start using trains since we are using a GPS module for tracking the location of train it will be updated in the Web app continuously. • Eliminate the suffering of people as they need not stand in long queues to get tickets thus reducing the burden.
5.	Business Model (Revenue Model)	• This project enables railways to optimise their services by implementing e- ticketing when compared to the cost involved in paper ticketing thereby profiting with an increase in the number of users. • Nowadays, the paper tickets are printing with many errors so that we are introducing e – tickets.
6.	Scalability of the Solution	• The solution comprises high scalability to meet the increasing demand of users over the nation for more efficient and comfortable services.