# PROJECT DESIGN PHASE-I

# PROPOSED SOLUTION TEMPLATE

| | |
|---|---|
| Date | 29-10-2022 |
| Team ID | PNT2022TMID34503 |
| Project Name | Smart solutions for railways |
| 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) | • Smart Solutions for railways is designed to reduced the work load of the user and also the use of paper and also provides the live location of the train.<br>• In their busy schedule as fast roaming world public in need of online booking process. The queues in front of the ticket counters in railway stations have been drastically increased over the period of time.<br>• Ticket reservation through counter is not sufficient and convenient for the passengers. The passengers are struggling to get tickets in the time from ticket counters. So they like to switch over online ticket booking. |

| | | |
|---|---|---|
| 2. | Idea / Solution description | • A webpage is designed in which the user can book tickets and will be provided with a QR code which will be shown to the ticket collector and the ticket<br>• The webpage also shows the live locations of the train by placing a GPS module in the train. The location of the journey will be updated continuously in the webpage.<br>• The booking details of the user will be stored in the database which can be retrieved anytime. |
| 3. | Novelty / Uniqueness | • A QR code will be provided by the webpage to the user which will reduce the paper work.<br>• 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.You can also view interactive seat map. |
| 4. | Social Impact / Customer Satisfaction | • The booking tickets is made easy to use and it is also reliable and no need to go to station for booking tickets and the transaction process is also made easy.<br>• One can manage online ticket booking and apply for a cancellation in case of change in plans .<br>• The customer will be notified on email as well as cell phone on all confirmation and cancellations. |
| 5. | Business Model (Revenue Model) | • With this solution - By using this application, the customer can schedule their destination, view availability of the seat, view interactive seat map and select |

| | | |
|---|---|---|
| | | their seat for their convenience.Moreover, it enables your customers to organize trips and daily shuttles effortlessly and it also reduces the carrying of tickets |
| 6. | Scalability of the Solution | 1. No need of taking print out.<br>2. Counter ticket has to be handled with care, but SMS on mobile is more than enough.<br>3. You are becoming environment friendly and contributing for greener planet by ignoring printout.<br>4. No need of taking out wallet and showing your ticket to TTR, just tell your name to TTR thatyou are passenger with a valid proof.<br>5. While booking counter ticket you had to carry cash and while booking E- ticket you are paying through online directly from bank which makes work more easy for you. |