**Project Design Phase-I**

**Proposed Solution**

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| Date | 19 September 2022 |
| Team ID | **PNT2022TMID53615** |
| 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.

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| **S. No.** | **Parameter** | **Description** |
|  | 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. |
|  | Idea / Solution description | * Smart Solutions for railways are designed to reduce the work load of the user and also eliminate the use of paper. |
|  | 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. |
|  | 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. |
|  | 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. |
|  | 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. |