**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 31-October- 2022 |
| Team ID | PNT2022TMID14986 |
| Project Name | Smart Solution 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) | Smart Solution for Railways |
|  | Idea / Solution description | Smart Solution for Railways Powered by IoT is a project report that focus on the necessity of the Smart Solution for Railways in this we will be developing the QR CODE. The passenger has to book a ticket in the railway website & the ticket will be convert as QR Code this will be send through the passenger number. The ticket collector will be scan the QR Code of the passenger & he can know the details of the passenger.In this we can track the train at what station train is moving we track. |
|  | Novelty / Uniqueness | In the smart solution for Railways A QR code will be provided by the webpage to the user which will reduce the paper work. 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 QRCode. You can also view interactive seat map |
|  | Social Impact / Customer Satisfaction | The customer will be notified on email as well as cell phone on all confirmation and cancellations. 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. |
|  | Business Model (Revenue Model) | Without this solution- they have to travel to the station to book tickets and also have to carry their tickets to show ticket collector. With this solution-By using this applications, the customer can schedule their destination, view interactive seat map and select their seat for their convenience. |
|  | Scalability of the Solution | * We cannot take a print of a ticket. * Counter ticket has to be handled with care, but SMS on mobile is more than enough * 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 |