Project Design Phase-I Proposed Solution Template

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| Date | 12 September 2022 |
| Team ID | PNT2022TMID41962 |
| Project Name | 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** |
| 1. | Problem Statement (Problem to be solved) | Smart Solutions for railways is designed to reduce the work load of the user and also the  use of paper. |
| 2. | Idea / Solution description | A web page is designed for public where 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 | * A Ticket collector can scan the QR code and extract the information from the QR code i.e., Unique ID. * With that Unique ID, data is fetched from the Cloud DB, if it is not found,   then it displays Not a Valid Ticket. |
| 4. | Social Impact / Customer Satisfaction | * Users will have a QR code generated with the unique ID which can be used for further process and they can track the live location of the train. * User can cancel their tickets accordingly if they have any change of plans accordingly. |
| 5. | Business Model (Revenue Model) | Revenue can be generated from the users booking their train tickets through online  transactions. |
| 6. | Scalability of the Solution | * No need of taking printout of the counter ticket, as it needs to be handled with care, a SMS on the mobile is enough. * Online booking generates the OR code with unique ID makes it easy for the passengers to travel. |