**Project Design Phase-I**

**Proposed Solution Template**

| Date | 30 september 2022 |
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| Team ID | PNT2022TMID11445 |
| Project Name | Smart Solution For Railways Using IoT |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

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

| **S.No.** | **Parameter** | **Description** |
| --- | --- | --- |
|  | Problem Statement (Problem to be solved) | Smart Solution For Railways Using IOT |
|  | Idea / Solution description | Smart Railways includes the passenger ticket generation ,ticket validation and authorization under IoT system.Managing and securing the passengers data is the most important aspect of using smart railways. |
|  | Novelty / Uniqueness | Accuracy of information.  Efficiency of operation is high.  Low maintenance cost. |
|  | Social Impact / Customer Satisfaction | In terms of needs and comforts of passengers using smart railway availability of seats,comfortable in units of carriage,temperature,smoothness of ride,and punctuality are important aspects. |
|  | Business Model (Revenue Model) | Global System Mobile Communications Railway  Long Term Evaluation  Fifth Generation  Wireless Sensor Networks |
|  | Scalability of the Solution | The Smart railways enters passengers details as input that will match with the the UIDAI database and that information is stored in railway reservation database.Experimental results are obtained by using PYTHON programming language.The total time required to book a ticket is not more than 4 mile seconds which provides efficient searching and operation for fast booking. |