**PROJECT DESIGN PHASE-1**

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| Date | 16 October 2022 |
| Domain Name | Internet of Things (IoT) |
| Project Name | Smart Solutions for Railways |
| Team ID | PNT2022TMID28701 |

**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) | * To provide an efficient way by introducing paperless tickets using QR code * To design a GPS module to track the location of the train. |
| 2. | Idea / Solution description | * GPS tracker is placed in the train so that the passengers can track the location of the train even it is delayed. * Passengers can book their tickets using the website which is possible atanytime, anywhere. * Smart ticketing to avail seasons so that physical work is eradicated. |
| 3. | Novelty / Uniqueness |  This project stands unique from the existing ones, by implementing facilities for getting train seasons online and the passenger is alerted through mobile phone before destination arrives. |
| 4. | Social Impact / Customer Satisfaction | * No Queuing to get tickets and burdenless because of e-tickets. * Elimination of dilemma whether the train has left or yet to arrive. * Can get the status and avail of e-seasons instead of visiting the station physically every time. |
| 5. | 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. |
| 6. | 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. |