

## PROJECT DESIGN PHASE-1

|              |                                     |
|--------------|-------------------------------------|
| Date         | 15 October 2022                     |
| Domain Name  | Internet Of Things (IoT)            |
| Project Name | <b>SMART SOLUTIONS FOR RAILWAYS</b> |
| Team ID      | PNT2022TMID18884                    |

### Proposed Solution Template:

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

| S.No. | Parameter                                | Description  |
|-------|--|--|
| 1.    | Problem Statement (Problem to be solved) | <ul style="list-style-type: none"><li>To provide an efficient way by introducing paperless tickets using QR code</li><li>To design a GPS module to track the location of the train.</li></ul>  |
| 2.    | Idea / Solution description              | <ul style="list-style-type: none"><li>GPS tracker is placed in the train so that the passengers can track the location of the train even it is delayed.</li><li>Passengers can book their tickets using the website which is possible at anytime,anywhere.</li><li>Smart ticketing to avail seasons so that physical work is eradicated.</li></ul> |
| 3.    | Novelty / Uniqueness                     | <ul style="list-style-type: none"><li>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.</li></ul>   |
| 4.    | Social Impact / Customer Satisfaction    | <ul style="list-style-type: none"><li>No Queuing to get tickets and burden less because of e-tickets.</li><li>Elimination of dilemma whether the train has left or yet to arrive.</li><li>Can get the status and avail of e-seasons instead of visiting the station physically Every time.</li></ul>   |
| 5.    | Business Model (Revenue Model)           | <ul style="list-style-type: none"><li>This project enables railways to optimize 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.</li></ul>  |
| 6.    | Scalability of the Solution              | <ul style="list-style-type: none"><li>The solution comprises high scalability to meet the increasing demand of users over the nation for more efficient and Comfortable services.</li></ul>  |