

## PROJECT DESIGN PHASE-1

Date	22 October 2022
Domain Name	Internet Of Things (IoT)
Project Name	<b><i>Smart Solutions for Railway Systems</i></b>
Team ID	PNT2022TMID51678

### Proposed Solution Template:

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

SI 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 burdenless 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>