

PROJECT DESIGN PHASE-1

Date	18 October 2022
Domain Name	Internet Of Things (IoT)
Project Name	SMART SOLUTIONS FOR RAILWAYS
Team ID	PNT2022TMID44540

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">To provide an efficient way by introducing paperless tickets using QR codeTo design a GPS module to track the location of the train.
2.	Idea / Solution description	<ul style="list-style-type: none">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 anytime, anywhere.Smart ticketing to avail seasons so that physical work is eradicated.
3.	Novelty / Uniqueness	<input type="checkbox"/> 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	<ul style="list-style-type: none">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)	<input type="checkbox"/> 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	<input type="checkbox"/> The solution comprises high scalability to meet the increasing demand of users over the nation for more efficient and comfortable services.