PROJECT DESIGN PHASE-1

Date	15 October 2022
Domain Name	Internet Of Things (IoT)
Project Name	*Online Railway Reservation System*
Team ID	PNT2002TMID36478

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)	• 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.