PROJECT DESIGN PHASE-1

Date	19 0CT 2022
Domain Name	Internet Of Things (IoT)
Project Name	*Online Railway Reservation System*
Team ID	PNT2022TMID27374

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	• Our solution is to design a website where we can book ticket and receive QR Code which can be scanned during boarding. Passengers can also monitor the train status and as well as they are alerted through mobile before their destination arrives. • 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.