

**Project Design Phase-I**  
**Proposed Solution Template**

Date	19 September 2022
Team ID	PNT2022TMID08702
Project Name	Project – Smart Solutions for Railways
Maximum Marks	2 Marks

**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)	Present railway network is overburdened which requires smart solutions to meet the new challenges of a fast-growing economy.
2.	Idea / Solution description	A web page is designed for booking tickets which generates a QR code that is scanned by the ticket collector. The live location of the train is tracked using GPS module and stored in the cloud. The QR code contains a unique ID which contains the complete information about the individual passenger that is stored in cloud.
3.	Novelty / Uniqueness	A unique web page is designed with smooth interface to book tickets which generates a QR code. The QR code contains a unique ID which contains the complete information about the past travel info that is stored in cloud.
4.	Social Impact / Customer Satisfaction	Tracking the live location of the train that helps the passenger to manage their timing. User friendly online ticket booking interface that can be even used by the people who have not already used such ticket booking platforms.
5.	Business Model (Revenue Model)	Mainly focused for providing services to the public who relies on railways as their major mode of transport. As IRCTC is the major railways network this application provides a major support.
6.	Scalability of the Solution	As the project involves public sector it provides a greater chance for growth as it contributes greatly to the economy by increasing GDP.