Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	**IBM-Project-16485-1659615527**
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)	• To make travel comfortable for customers providing paperless tickets by generating QR code attached with ID proof. • 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 when it is delayed and can be notified. • Using the webpage the passengers can book tickets from anywhere,anytime. • Smart doors are fixed in the train to avoid passengers getting in/out in running trains. • Smart lights are fixed in the train so that power can be saved.
3.	Novelty / Uniqueness	• No more queue,only QR code. • Locating the train using GPS 24/7. • Smart Door System enabling automatic door open and close. • Smart Light System that enables automatic light on/off.
4.	Social Impact / Customer Satisfaction	• Any time,Anywhere booking making ease of travelling. • Planning the arrival and departure of passengers is well-planned. • QR code makes it possible to reduce paper usage.
5.	Business Model (Revenue Model)	• There is a lot of electricity shortage in the country,and there is a need to reduce its consumption.So our Smart Light System enables us to reduce consumption of light in train.

6.	Scalability of the Solution	• Our solution is highly scalable,it can support a huge amount of passengers.