

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	IBM-EPBL/IBM-Project-27934-1660101572
Project Name	Project –Smart Solutions for Railways
Members	Vasanth Titus .E (Team Lead), Thangamuthu .B Sumesh Kumar .MGK , Vijay.S

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 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Our solution is highly scalable,it can support a huge amount of passengers.
----	-----------------------------	---