

Project Design Phase-I
Proposed Solution Template

Date	16 September 2022
Team ID	PNT2022TMID18248
Project Name	Project – Smart Solution 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)	<ul style="list-style-type: none">• Usage of paper has to be reduced• Security has to be increased• Carrying id proof can be avoided
2.	Idea / Solution description	<ul style="list-style-type: none">• Using QR code for verifying tickets.• Using GPS module to track the train.• Web application to book ticket.
3.	Novelty / Uniqueness	<ul style="list-style-type: none">• The QR code is generated using AES algorithm so the security is high.• User friendly interface.• Indication to the user when the train is in the previous station.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none">• By using a single web application people can book tickets which is so secured and they can also track the train and the notification of the train is also included.
5.	Business Model (Revenue Model)	<ul style="list-style-type: none">• By using the cloud, the storage is high and data can also be retrieved easily.• It can be concentrated in the area where the train usage is high.
6.	Scalability of the Solution	<ul style="list-style-type: none">• The scalability is also possible by the userfriendly interface.