

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

Date	19 September 2022
Team ID	PNT2022TMID27503
Project Name	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)	Smart Solutions for railways is designed to reduce the work load of the user and also the use of paper.
2.	Idea / Solution description	A web page is designed for public where all the booking details of the customers will be stored in the database with a unique ID and they can be retrieved back when the Ticket Collector scans the QR Code.
3.	Novelty / Uniqueness	<ul style="list-style-type: none"><li>• A Ticket collector can scan the QR code and extract the information from the QR code i.e., Unique ID.</li><li>• With that Unique ID, data is fetched from the Cloudant DB, if it is not found, then it displays Not a Valid Ticket.</li></ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"><li>• Users will have a QR code generated with the unique ID which can be used for further process and they can track the live location of the train.</li><li>• User can cancel their tickets accordingly if they have any change of plans accordingly.</li></ul>
5.	Business Model (Revenue Model)	Revenue can be generated from the users booking their train tickets through online transactions.
6.	Scalability of the Solution	<ul style="list-style-type: none"><li>• No need of taking printout of the counter ticket, as it needs to be handled with care, a SMS on the mobile is enough.</li><li>• Online booking generates the OR code with unique ID makes it easy for the passengers to travel.</li></ul>