

Project Design Phase-I Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID32277
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)	Web page for train ticket booking and check train status. QR code for ticket verification.
2.	Idea / Solution description	<ul style="list-style-type: none"> ➤ A Web page is designed for the public where they can book tickets by seeing the available seats. ➤ After booking the train, the person will get a QR code which has to be shown to the Ticket Collector while boarding the train. ➤ The ticket collectors can scan the QR code to identify the personal details. ➤ A GPS module is present in the train to track it. The live status of the journey is updated in the Web app continuously ➤ 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	Digitalizing maximum features of Railways with increased security.
4.	Social Impact / Customer Satisfaction	It creates an impact in the society by making all the railways features digitalized and as a result customer satisfaction increases.
5.	Business Model (Revenue Model)	<p>Business Model</p> <p>Key activities What are the key steps to move ahead to your customers?</p> <p>Key resources What resources do you need to make your idea work?</p> <p>Key propositions How will you make your customers' life happier?</p> <p>Key relationships How often will you interact with your customers?</p> <p>Key segments Who are your customers? Describe your target audience in a couple of words.</p> <p>Key channels How are you going to reach your customers?</p> <p>Key revenue streams How much are you planning to earn in a certain period? Compare your costs and revenues.</p> <p>Key cost structure By marketing the maximum customer features and making the idea do all hard and heavy work.</p>
6.	Scalability of the Solution	The Project related to Railways especially with IoT, it will effective at all time.

