PROJECT DESIGN PHASE-I
PROPOSED SOLUTION

Date	22 September 2022
Team ID	PNT2022TMID16033
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 USING IOT.
2.	Idea / Solution description	The general public has access to a website where they may view the available seats and purchase tickets. The individual who reserved the train will receive a QR code, which must be presented to the ticket collector while boarding the train. Customers' whole booking information will be kept in the database with a special ID.
3.	Novelty / Uniqueness	We here developed a python script to publish data to IBM IoT Platform and to integrate Cloudant DB with Python Code.
4.	Social Impact / Customer Satisfaction	The ticket collectors can identify the personal information by scanning the QR code. The train has a GPS module to be tracked. The Web app regularly updates the journey's live status. When the ticket collector scans the QR Code, all of the client booking information will be stored in the database with a special ID and be retrievable.
5.	Business Model (Revenue Model)	This application is recommended for passengers who will travel through trains to book a ticket.
6.	Scalability of the Solution	This method is used to book the ticket anywhere and anytime .In addition to this, it aids in reduction of work load of the user.