<u>PROJECT DESIGN PHASE – I</u>

PROPOSED SOLUTION

Date	23 September 2022	
Team ID	PNT2022TMID37898	
Project Name	IOT-Smart Solutions for Railways	
Maximum Mark	2 marks	

S.No	PARAMETER	DESCRIPTION
1	Problem Statement (Problem to be solved)	In order to provide safe and secure journey to the passenger by using NODE-RED Service Web Application.
2	Idea/Solution description	 Using Web application (developed by NODE-RED Services), user will be able to book the tickets based on the availability of seats. The live location of train will be published in the IoT platform using python code The train location can be easily tracked using web application.
3	Novelty/Uniqueness	 The main goal is provide an authenticated and authorized booking system. To provide user friendly platform for the users.
4	Social Impact/Customer Satisfaction	 To improve railway service and the commuter's experience The system will also be useful for crowd analysis. To improve the authentication of railway ticket booking system
5	Business Model(Revenue Model)	 In the business point of view, application is used to manage the passenger flow. Efficiently reduces the labour cost. The ticket collector can easily verify the ticket by scanning the unique QR code.
6	Scalability of the solution	 The passenger flow can be easily measured. The ticket booking system becomes more authenticated. The passenger can track the live location the train from anywhere.