

**PROJECT DESIGN PHASE – I**

**Problem Solution fit**

Date	01 October 2022
Team ID	PNT2022TMID30278
Project Name	Smart Solutions for Railways using IOT
Maximum Marks	

Define CS, fit into CL	<b>1. CUSTOMER SEGMENT(S)</b> <span>CS</span> <div> Passenger Government </div>	<b>6. CUSTOMER LIMITATIONS</b> EG. BUDGET, DEVICES <span>CL</span> <div></div>	<b>5. AVAILABLE SOLUTIONS</b> PROS & CONS <span>AS</span> <div></div>	Explore AS, differentiate
	<b>2. PROBLEMS / PAINS + ITS FREQUENCY</b> <span>PR</span> <div></div>	<b>9. PROBLEM ROOT / CAUSE</b> <span>RC</span> <div> Customer can access only to book a seat through application using mobile phones or pc from anywhere.  Online web application to book the train tickets QR code is generated once ticket is booked. In web application we can be able to track the live location and arriving time of the train. </div>	<b>7. BEHAVIOR + ITS INTENSITY</b> <span>BE</span> <div></div>	
Identify strong TR & EM	<b>3. TRIGGERS TO ACT</b> <span>TR</span> <div> Most of the People are traveling without booking their ticket  No Proper Guidance in the Online booking Website </div>	<b>10. YOUR SOLUTION</b> <span>SL</span> <div> To spend long time to book a ticket in station  Passengers are not properly verified before entering into train </div>	<b>8. CHANNELS of BEHAVIOR</b> <span>CH</span> <div> <b>ONLINE</b> <div> Detects the motion of the passenger and tally that count with the Number of tickets booked. </div> <b>OFFLINE</b> <div> Scan the QR code in the ticket to verify the information.  Based on the passenger counts the automated doors are opened. </div> </div>	Extract online & offline CH of BE
	<b>4. EMOTIONS</b> BEFORE / AFTER <span>EM</span> <div> Before - Frustrated, Confused After - Satisfied </div>			

Proper checking of their respective ticket before entering the platform.

GPS Tracking is set available to track the location of the train.

Passenger need to be at the railway station 15 minutes prior for authenticate themselves with generated QR code to get access for their journey and with the same QR code passenger can verify their details with ticket collector or checker. From this railway management can prevent the ticketless travel.

They can able to track the location of train