

## PROJECT DESIGN PHASE-I

### Problem solution fit

TEAM ID: PNT2022TMID10155

Project Name: smart solution for railways

<b>1.customer segments</b>  Customers are: <ul style="list-style-type: none"><li>• Functional Traveller</li><li>• passenger</li></ul>	<b>6.CUSTOMER LIMITATION:</b>  Customer can access only to book a seat through application using mobile phones or pc from anywhere.	<b>5.AVAILABLE SOLUTION:</b> <ul style="list-style-type: none"><li>➤ Online web application to book the train tickets QR code is generated once ticket is booked.</li><li>➤ In web application we can be able to track the live location and arriving time of the train</li></ul>
<b>2.PROBLEMS/PAINS:</b> <ul style="list-style-type: none"><li>➤ passengers wasting a lot of time by booking tickets in counter</li><li>➤ TTE has to process huge paperwork to verify passenger tickets</li></ul>	<b>9.PROBLEM ROOT/CAUSE:</b> <ul style="list-style-type: none"><li>➤ To spend long time to book a ticket in station</li><li>➤ Passengers are not properly verified before entering into train</li></ul>	<b>7.BEHAVIOR:</b>  Detects the motion of the passenger and tally that count with the Number of tickets booked
<b>3.TRIGGERS TO ACT:</b> Railway passengers see their neighbours easily booking tickets without having to wait in long lines <b>4.EMOTIONS (BEFORE/AFTER):</b> Previously, passenger sees the ticket booking as time-consuming. After using an online method, passenger feeling it as time convenience.	<b>10.YOUR SOLUTION:</b> <ul style="list-style-type: none"><li>➤ Passenger can book ticket in online</li><li>➤ They have the unique generated QR code, by that they can verify that QR code ticket collector</li></ul>	<b>8.CHANNEL OF BEHAVIOR:</b> <b>ONLINE:</b> They can able to track the location of train. <b>OFFLINE:</b> <ul style="list-style-type: none"><li>➤ Scan the QR code in the ticket to verify the information.</li><li>➤ Based on the passenger counts the automated doors are opened.</li></ul>