Project Title: SMART SOLUTIONS FOR RAILWAYS Team ID: PNT2022TMID42281

> 1. CUSTOMER SEGMENT(S) WHO IS YOUR CUSTOMER?

cs

í. Normal passengers íí. Working employees in cities

6. CUSTOMER CONSTRAINTS

CC

WHAT CONSTRAINTS PREVENT YOUR CUSTOMERS FROM TAKING ACTION OR LIMIT OF SOLUTIONS? I.E. SPENDING POWER, BUDGET, NO CASH, NETWORK CONNECTION, AVAILABLE DEVICES.

Refund after cancellation of tickets will be only after a day. Preference of seat after allocation cannot be changed Refund after cancellation of tickets will be only after a day Preference of seat after allocation cannot be changed.

5. AVAILABLE SOLUTIONS

NOTETAKING

WHICH SOLUTIONS ARE AVAILABLE TO THE CUSTOMERS when they face the

OR NEED TO GET THE JOB DONE? WHAT HAVE THEY TRIED IN THE PAST? WHAT PROS & CONS DO THESE SOLUTIONS HAVE? I.E. PEN AND PAPER IS AN ALTERNATIVE TO DIGITAL

Schematic view for the available seats in a train Generating a QR code for the passengers booking the tickets, which includes all the details of the passengers.

2. JOBS-TO-BE-DONE / PROBLEMS

WHICH JOBS-TO-BE-DONE (OR PROBLEMS) DO YOU ADDRESS FOR YOUR CUSTOMERS? THERE COULD BE MORE THAN ONE: EXPLORE DIFFERENT SIDES

* poor accessibility of webpage *lack of e-catering *non availability of gr

code for travelling in trains

9. PROBLEM ROOT CAUSE

I. WHAT IS THE REAL REASON THAT THIS PROBLEM EXISTS? WHAT IS THE BACK STORY BEHIND THE NEED TO DO THIS JOB?

i. Forget to take the identification id with them. ii. Due to server problems delay in train booking. iii. Train tracking problem

7. BEHAVIOUR

RC

BE

Explore

AS,

differentiate

AC

E. DIRECTLY RELATED: find the right solar PANEL INSTALLER, CALCULATE USAGE AND BENEfits: INDIRECTLY ASSOCIATED: CUSTOMERS SPEND FREE TIME ON VOLUNTEERING WORK (I.E. GREENPEACE)

ii. The customers try to find the seat they prefer after boarding the train. iii. The customers will take care of their ticket very cautiously until they are approved by the TTR.

CH

rer their needs or in which they

Generally speaking, the process of booking is bad. It should be the website of definitely notifying when the train arrives. The smart app should display the dispatching time of the train to notify the customer.

WITH A SOLUTION THAT fits WITHIN CUSTOMER LIMITATIONS. SOLVES A PROBLEM AND MATCHES CUSTOMER BEHAVIOUR.

As an alternative to static signboards in railway stations, we use smart linked applications. These intelligent

have booked their tickets.

They can also do it using email, messages, etc.

82 OFFLINE

The customers should analyze the working of the ticketing system directly in the train station and

3. W SI P 0

4. EMOTIONS: BEFORE / AFTER

EM

HOW DO CUSTOMERS FEEL WHEN THEY FACE A PROBLEM OR A JOB AND AFTERWARDS

LE. LOST, INSECURE > CONfident, IN CONTROL - USE IT IN YOUR COMMUNICATION STRATEGY & DESIGN.

After choosing an operation mode with the use of online connectivity, customers will feel better and will adhere to the guidelines on the railway websites.

connected applications automatically update with the current speed limits and train arrivals using a web app and weather API

get the ticket. They should ask guidance from the people working in the station.