AS

Define CS, fit into CC

### 1. CUSTOMER SEGMENT(S)

Passengers, Voyagers who wish to CS travel to different locations

### 6. CUSTOMER CONSTRAINTS

Passengers cannot choose the seats they prefer.

They have to carry a physical ticket which may get lost.

Passengers who got to go quick may not have enough time to wait for the train indefinitely.

### 5. AVAILABLE SOLUTIONS

Passengers can take multiple physical copies of a ticket to prevent losing them

TTE will have to manually verify the identity of each passenger

Explore AS, differentiate

cus on J&

# on J&P, tap into BE,

### 2. JOBS-TO-BE-DONE / PROBLEMS

J&P

The live location of the train must be easily accessible by the users

Ticket verification must be streamlined

Unnecessary documents should not be carried by passengers

### 9. PROBLEM ROOT CAUSE.

RC

CC

Train booking infrastructure is outdated

Popularity of train travel has exploded

Trains are rarely on schedule

### 7. BEHAVIOUR

BE

Bring original documents on train rides

Take multiple copies of train tickets

Arrive at station early to ensure they don't miss the train

ocus on J&P, tap into BE, unders

# 3. TRIGGERS



Holidays

Neighbours going on vacation Work-related travel

### 4. EMOTIONS: BEFORE / AFTER



Confident -> Confused: No way to know about the validity of the ticket

Excited -> Impatient: Not sure when train will arrive

Energetic -> Tired: TTE ticket verification takes too long per person

# 10. YOUR SOLUTION



Using GPS modules to provide users with the train's location and estimated time of arrival.

A web UI will be used as a portal for users, which also generates unique QR codes on successful ticket booking.

QR codes can be used to streamline the ticket verification process.

# 8. CHANNELS of BEHAVIOUR



# 8.1 ONLINE

Ticket booking through IRCTC website

# 8.2 OFFLINE

Arriving at station early to check train status

Verifying passenger's ID proof