

PROBLEM-SOLUTION FIT

1. Customer Segment

The passengers travelling in the train

6. Customer Limitations

- Health Concern
- Safety and Comfort
- Timing Concerns

5. Available Solution

Emergency train stopping
Location updation in stations

2. Problems/Pains

- Existing ticket checking methods must be made contactless
- The train location tracking must be made more accurate
- More automations can be brought in trains

9. Problem Root Cause

The investment in improving railway sectors is less and also research in this area is limited

7. Behaviour

Directly related: The comfort and safety of people. Saves a lot of waiting time
Indirectly related: Reduces the manpower involved and makes railways computer based

3. Triggers to Act

Seeing people without tickets. Making people aware of the best of automation

4. Emotions

Before: Frustration, Unsatisfied

After: Happy, feeling safe and secure

10. Your Solution

- To enable QR based ticket verification
- To track and update the live location of all the trains using GPS module
- To increase smart facilities in railways

8. Channels

During their journey in the train