Problem-Solution Fit canvas

Purpose / Vision

Version:

Define CS, fit into CL

1. CUSTOMER SEGMENT(S) CS

a) Operation
b) Maintenence
c) Train Driving
d)Customer Orientation
e)Investing

6. CUSTOMER LIMITATIONS EG. BUDGET, DEVICES CL

1.Unsituable for Perishable and Fragile items
2. Lot of Overcrowding
3. Unsituable for short distance

5. AVAILABLE SOLUTIONS PROS & CONS AS

They can book tickets by seeing the available seats and QR code was scanned. A GPS module is present in the train or track it and user can set a notification for intimating the train live status for boarding and destination stations .

Explore AS, differentiate

Focus on PR, tap into BE, understand RC

2. PROBLEMS / PAINS + ITS FREQUENCY PR

The railway requires is large investment of capital. The cost of construction, maintenance and overhead expenses are very high as compared to other modes of transport. Moreover, the investments are specific and immobile

9. PROBLEM ROOT / CAUSE RC

As railways require huge capital outlay, they may give rise to monopolies and work against public interest at large. Even if controlled and managed by the government, lack of competition may breed inefficiency and high costs

7. BEHAVIOR + ITS INTENSITY BE

Track trains in real-time, and receive alerts to potential inefficiencies or failures in equipment.
Monitor the status of trackside equipment to better optimize maintenance schedules
lower fuel costs compared to road transport, especially when shipping a high volume of freight

Focus on PR, tap into BE, understand RC

Identify strong TR & EM

3. TRIGGERS TO ACT TR

Pollution less with less traffic and managble with all climatic conditions
Infrastructure maintenance with all advanced features
lower fuel costs compared to road transport, especially when shipping a high volume of freight

4. EMOTIONS BEFORE / AFTER EM

BEFORE :
Time Delay,Dependability,Undesirable
AFTER :
Faster,Time Saving,Lower fuel cost,Comfortable,Flexible

10. YOUR SOLUTION SL

Automated train operation (ATO) is a solution that provides support for automation of driving function (example : starting, accelerating, braking, and stopping) that is used in conjunction with the safety automatic train protection (ATP) function of train control systems. higher resilience of international transportation.in oder to improve safety, modern track structure

8. CHANNELS of BEHAVIOR CH

ONLINE

sharing of rail data across rail infrastructure components, such as passengers, control centers, ticketing department

OFFLINE

Reduced traffic congestion results in cleaner air, less wasted time and reduced energy consumption

Extract online & offline CH of BE