**Project Title: SMART SOLUTION FOR RAILWAYS Project Design Phase-I** - **Solution Fit Team ID:** PNT2022TMID35911

**Explore AS, differentiate**

**Deﬁne CS, ﬁt into CC**

**AS**

**5. AVAILABLE SOLUTIONS**

Water refilling is done in any of the intermediate stations

Location updation in station

• Health Concern

• safety and comfort

**CC**

**6. CUSTOMER CONSTRAINTS**

**CS**

**1. CUSTOMER SEGMENT(S)**

The passengers travelling in the train

**Explore AS, differentiate**

**Define CS, fit into CC**

**BE**

**7. BEHAVIOUR**

**Directly related**: The comfort and health of people is maintainted.

**Indirectly related**: Reduces the hesitancy of people in using restroom.

Reduces the travelling pressure by knowing the exact location.

**RC**

**9. PROBLEM ROOT CAUSE**

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

**J&P**

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

• The train location tracking must be made more accurate

• More automations can be brought in train

**Focus on J&P, tap into BE, understand RC**

**Focus on J&P, tap into BE, understand RC**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Identify strong TR & EM** | **3. TRIGGERS TR**  Peoples are unaware of flusing after using the restroom. Making people aware of the best of automation | **10. YOUR SOLUTION SL**  • To track and update the live location of all the trains.  • To increase smart facilities in train | 1. **CHANNELS of BEHAVIOUR CH**   .During their journey in the train |  |
| **4. EMOTIONS: BEFORE / AFTER EM**  Before: Frustration, Unsatisfied and unhygiene  After: Happy, feeling free |