**Project Title:** – Smart waste management system for Metropolitan cities          **Team ID:** PNT2022TMID06036

**Define CS, fit into**     **Explore AS, differe**

| 1. CUSTOMER SEGMENT(S) | 6. CUSTOMER | 5. AVAILABLE |
|---|---|---|
| The people who dispose various types of waste and people in metropolitan area **CS** | Traditional ways of segregating waste consumes more time and manpower. It requires more cost | Proper segregation and disposal of waste. Reduce, reuse and recycle of waste. |

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

| 2. JOBS-TO-BE-DONE / PROBLEMS | 9. PROBLEM ROOT | 7. |
|---|---|---|
| Increase in pollution<br>Spread of diseases | Rapid growth in population results in rapid increase in waste and if it is not properly disposed it may spread various diseases | Automatic opening and closing of bin lid in smart bin<br>Automatic segregation of waste improves efficient disposal of waste<br>Continuous monitoring of waste helps in preventing overflow of bins, thereby keeping the place clean |

| 3. TRIGGERS | 10. YOUR | 8. CHANNELS of BEHAVIOUR |
|---|---|---|
| Seeing people with many health problems and living in unhealthy and dirty environment comparing with other countries, their roads and environment which are very clean and healthy | Our system is used to segregate waste properly and intimate to dispose waste when the bin filled **SL** | When the waste bins filled it will send notification to the concerned person to collect and dispose it thereby the surrounding will be clean<br>8.2 OFFLINE<br>It's is easy to segregate the waste and the waste can be reused wisely<br>The unusable waste can be disposed properly. **C** |

## 4. EMOΣIONS: BEΣORE / AΣΣER    EM

Befoíe the waste was not píopeíly segíegated and disposed . It causes bad odouí, healthpíoblem and diíty enviíonment.

Afteí waste management the enviíonment become clean. Waste aíe píopeíly segíegatedand disposed on time.

It íeduces spíead of diseases