# Project Design Phase-I-Solution Fit

**Project Title: Smart Waste Management for Metropolitan Cities**     **Team ID: PNT2022TMID41040**

### 1.CUSTOMERSEGMEN

- ❖ The processing segment has a higher incremental growth than the landfill segment
- ❖ One of the key trends for this market will be the advent of smart technology
- ❖ Improving profitability and effectiveness of the product offering

### 2. CUSTOMERS CONSTRAINS

- ❖ Collect data from the smart waste bins
- ❖ Send data to the untral seven
- ❖ Send waste collector at that locatoin

### 3. AVAILABLESOLUTIONS    AS

- ❖ Waste monitoring
- ❖ fleet management
- ❖ Waste asset management
- ❖ Waste level monitoring.

### 4.JOBS-TO-BE-DONE/PROBLEMS J&P

- ❖ In the role waste management officer organize and manage waste disposel collection and recycling facilities
- ❖ Some posts combine waste management and recycling function

### 5.PROBLEM ROOTCAUSE    RC

- ❖ Poor waste management contributes to climate change and air pollution
- ❖ Directly affects many ecosystem and species
- ❖ Release methane

### 6. BEHAVIOUR    BE

- ❖ An innovative approach to handling and collection water
- ❖ More intelligent business decision
- ❖ Increase the sustainability of waste service

### 7. TRIGGERS **TR**

- ❖ Smart application
- ❖ Application layer
- ❖ Perception layer

### 8. EMOTIONS: BEFORE/AFTER

- ❖ Replaceable containers with prepress /without prepress
- ❖ Containers for separate collection of garbage
- ❖ Small containers
- ❖ Garbage chutes

### 9. YOURSOLUTION **SOLN**

- ❖ Supply chain demands increased traceability
- ❖ Sustainability and complains
- ❖ Digital monitoring

### 10. CHANNELS OF BEHAVIOUR **CB**

1. **ONLINE**
   - ❖ Municipal solid waste is generated annually around the globe
   - ❖ Traditional method of waste collection

2. **OFFLINE**
   - ❖ Increases in fixed consumption and excessive and use of resources
   - ❖ System cause waste of time