

Project Design Phase-I - Solution Fit Template

Project Title: Smart Waste Management System for Metropolitan Cities

Team ID: PNT2022TMID43325

Date: 1 November 2022

Define CS, fit into CC	1. CUSTOMER SEGMENT(S) CS Corporation, Municipality/ Local body, Private organizations, Schools & Colleges(Educational Institutions) , Apartments and Hotels has been identified as the Stake holders.	6. CUSTOMER CONSTRAINTS CC Provide control over spread of disease and intolerable smell caused.	5. AVAILABLE SOLUTIONS AS Segregation and collection of Bio-degradable and non bio-degradable waste. Weekly Garbage collections. Deployed public garbage collection containers.	Explore AS, differentiate
	2. JOBS-TO-BE-DONE / PROBLEMS J&P Control the breeding of insect prone disease Control spread of Bad Odor Eco-friendly disposal of waste	9. PROBLEM ROOT CAUSE RC Mass waste productions like Industries, food waste, Household waste, agricultural waste and others.	7. BEHAVIOUR BE Smart monitoring and keep track of the waste disposal rate and amount. Place for Experiment.	
Focus on J&P, tap into BE, understand RC	3. TRIGGERS TR A major inconvenience that is encountered everyday in public locations.	10. YOUR SOLUTION SL Disposal of waste at regular interval. Keep track on the waste production and disposal rate.	8.CHANNELS of BEHAVIOUR CH 8.1.Online Get the levels of waste in bins and action to be done for it. 8.2. Offline Collectors as made to collect the garbage form the respective locations.	Identify strong TR & EM
	4. EMOTIONS: BEFORE / AFTER EM Frustration and spoils mood when ever the smell reaches the sensitive nose. Calm and peaceful environment.			