

PROJECT DESIGN PHASE-I

PROBLEM – SOLUTION FIT

Date	26 September 2022
Team ID	PNT2022TMID46424
Project Name	Project - Smart Waste Management System For Metropolitan Cities
Maximum Marks	2 Marks

1. CUSTOMER SEGMENT(S) CS <ul style="list-style-type: none"> ❖ Waste holders, such as private individuals, property owners or companies are our customers. 	6. CUSTOMER CC <ul style="list-style-type: none"> ❖ As it is technology based it needs internet access to work properly. ❖ Customers need to buy some IOT Devices to access. ❖ They may use solar energy instead of electrical power. 	5. AVAILABLE SOLUTIONS AS <ul style="list-style-type: none"> ❖ Shop eco_friendly with reusable bags. ❖ Join buy -and-sell groups. ❖ Digital trash bins are alternative to dustbins, because digital bins can detect the trash level and send notifications to the customers.
--	---	--

2. JOBS-TO-BE-DONE / PROBLEMS J&P <ul style="list-style-type: none"> ❖ Separate your waste. ❖ Create a composite site. ❖ Growing pressure in outdated waste management infrastructure, with declining level of capital investments and maintenance. 	9. PROBLEM ROOT CAUSE RC <ul style="list-style-type: none"> ❖ Lack of industry expertise. ❖ Emission of greenhouse gases. ❖ Poor recycling quality due to lack of education. 	7. BEHAVIOUR BE <ul style="list-style-type: none"> ❖ If the sensors are not working properly contact the customer care or drop a message.
---	--	---



CC BY NC ND

3. TRIGGERS TR <ul style="list-style-type: none"> ❖ Seeing how neighbors are having a clean environment after using it people will get admire my seeing others. 	10. YOUR SOLUTION SL <ul style="list-style-type: none"> ❖ Our solutions is to manage the waste efficiently by indicating the garbage level to the users as well as authenticating persons to collect it and proceed to further process with the garbage. ❖ The purpose is of making clean Environment. <p style="text-align: center;">REDUCE- REUSE-RECYCLE</p>	8. CHANNELS of BEHCHANAUIOUR CH <p>ONLINE:</p> <ul style="list-style-type: none"> ❖ If it is in online mode, the bin is full it sends the notification to the authorized persons <p>OFFLINE:</p> <ul style="list-style-type: none"> ❖ If it is offline every day the waste collecting trucks will collect garbage from home.
---	--	---

