

PROBLEM – SOLUTION FIT

1.CUSTOMER SEGMENT(S) To minimize waste generation by adopting 5Rs principle including Reduce, Reuse, Recycle, Renewable and Reject.	6.CUSTOMER CONSTRAINTS There may be disadvantages such as increasing cost of dustbin. The concentration of urban waste requires appropriate disposal facilities, infrastructure, and transportation.	5.AVAILABLE SOLUTIONS Reduce, Recycle & Reuse:- Recycling not only saves energy but also prevents the materials from going to landfills & incineration, and provides raw materials for new products. Installing more bins for collecting recycling them.
2.JOBS-TO-BE-DONE It is used to provide a reliable and efficient service for the collection, transportation and disposal of waste. It is responsible of ensuring legislation is followed and budgets are managed effectively.	9.PROBLEM ROOTCAUSE The main problem rootcause are Commercial establishments, Residential houses, Debris from construction and demolition, Debris from roads, Scrap from vehicles, Agriculture.	7.BEHAVIOUR Thanks to real time monitoring, Smart Analytics and smart route planning, cities are able to rely on data-driven decision -making to achieve a collection cost reduction of at least 30% by optimizing the collection routes, pickup frequency and vehicle loads.
3.TRIGGERS Triggers to improve the work of cleaning operators to manage cleanliness issues in real time and to increase their productivity, the research work in processes a Smartbin system that identifies the fullness of litter bins.	10.YOUR SOLUTION They help to: Raise public awareness of utilizing renewable energy, improve street sanitation, encourage recycling, collect and analyze area-specific data on waste volumes for better planning.	8.CHANNELS OF BEHAVIOUR As citizens of a society, we have a responsibility to manage our waste sustainably. We can do this following the five R's of waste management: reduce, reuse, recycle, recover and residual management.
4.EMOTIONS : BEFORE/AFTER Users will feel completely in control of the waste management process because they can trust the system with all their heart.		We can implement the smart waste management by the above processes.