

ANNAI VEILANKANNI'S
COLLEGE OF
ENGINEERING

BATCH NO : B1-1M3E

STUDENT NAME:

Hemalatha.R Team leader

Abirami

Jenifa marry.s

PROJECT SOLUTION FIT

CUSTOMER SEGMENT

Municipal corporates **employees are our users**

JOB TO BE DONE

monitoring the levels of bins and
alerting the user to clean
provide location of the
bin

EMOTIONS

provide better environment for people live
around bins because it alerts the
person whenever it overflow

TRIGGER

on and the change to a better environment which

increases their
profit.

AVAILABLE SOLUTIONS

Maintenance of sensors are simple it also
reduce the manpower and handle
the garbage
collection

CUSTOMER CONSTRAINTS

Rough action of user may damage the
sensor

The product may have short lifespan
Network connection required
properly
Installation cost will be high

BEHAVIOUR

Find the required sensor based on
the requirements and get the expected
results

CHALLENGES OF BEHAVIOUR

ONLINE The customer can view the levels of bins and shortest

routing

OFFLINE Customers need to process their regular waste collection techniques.

PROBLEM ROOTCASE

Municipal solid Waste management is of critical concern and needs alternation. The rapid urbanization and industrialization has led to increased solid waste generation, the traditional methods became costly and inefficient. The main objective is to maximize waste collection and optimize the work for municipal corporation .

YOUR SOLUTION

Our solution is to provide a smart waste management system where sensors are fitted inside the dustbins which collect the waste in the locality and alert the respective people to collect and segregate the waste. The system also provides route planning for the collection of the waste..