

TEAM ID:
PNT2022TMID21674

To raise public
awareness of utilizing
renewable energy,
Improve street
sanitation,
Encourage recycling

Smart waste management is
characterized by the usage of
technology
in order to be more efficient
when it
comes to managing waste.
This makes it
possible to plan more efficient
routes for
the trash collectors who empty
the bins

Collect and analyze area-specific
data
on waste volumes for better
planning

The ultrasonic sensor is used
for measuring the level of
waste in the dustbin

Smart Waste
management
system for
Metropolitan
Cities

the fusion of sensors,
identification technology, and internet
connectivity will lead to a uniquely smart
disposal trash bin.

In this system, a 24×7
monitoring system is designed for
monitoring dumpsters

Together with the cloud, these
trash
bins would become
irreplaceable
elements in the waste
management cycle
where the collection,
transportation,
storage, and recycling of
waste could be
automated.

conservation of natural
resources,
reduction of air, water and
land pollution,
support for community
development – the
advantages go beyond
simply protecting
our health and environment

EMPATHY MAP