Empathy Map

THINK & FEEL

THINKS IN REDUCTION IN OVERFLOWS AND LANDFILSS.

WASTE GENERATION ANALYSIS TAKEN FOR ALL METRO CITIES.

FEELS REDUCTION IN COLLECTION COST.

HEAR

KNOWING THE FILL LEVEL OF THE DUTBINS WITHOUT HAVING TO VISIT THE SPECIFIC LOCATION MAKES IT EASIER.

REDUCE THE BINS REQUIRED-DECLUTTER AND IMPROVING STREET SCENE USING IOT MAKES ADVANCED IN METRO CITIES.

ENCOURAGE RECYCLING ON-THE-GO BY ENSURING DUSTBIN ARENT OVERFLOWING.

DO & SAY

WASTE COLLECTION CAN USE THE SMART WASTE MANAGEMENT SOFTWARE TO OPTIMISE THEIR COLLECTION ROUTES.

ENSURE HEALTH AND SAFETY WITH SMART DUSTBINS.IT PROVIDES 100% HYGIENIC SOLUTION TO EVERYDAY WASTE MANAGEMENT.

AUTOMATIC SENSORS AND SMART INDICATORS USED TO MEASURE THE LEVEL OF WASTE AND SEND INFO TO DATA MANAGEMENT SYSTEM OF THE LEVEL OF WASTE.

SEE

LEVEL OF STREET CLEANLINESS WERE NOT AFFECTED.

SMART DUSTBINS IS JUST A NORMAL BIN WHERE EVERYONE CAN DISPOSE WASTE BUT INTEGRATION OF SOME HARDWARE COMPONENTS IS DONE FOR MORE EFFICIENT USE OF IT.

24 STANDARD BINS WERE REPLACED WITH 10 COMPACTORS SMARTBINS.

PAINS

1.NON- OPTIMIZED TRUCK ROUTES
2.THE SYSTEM CAN BE COSTLY INITIALLY BECAUSE FOR MORE TESTING REQUIRED
3.IT IS DIFFICULT TO LINK SYSTEMS FROM DIFFERENT VENDORS

GAINS

1.TRANSPARENCY AND SUSTAINABILITY.
2.IT REDUCES INFRASTRUCTURE OPERATING AND MAINTENANCE COSTS UPTO 30%.
3.OPTIMIZED ROUTES ARE EASY TO CHOOSE DATA ANALYTICS.