PROBLEM: “Overflow of dustbin and unhygienic society”

The biggest population concern today is the overflow of garbage. This creates

unhygienic conditions for individuals and creates a bad smell in the environment

which in turn leads to avoid this problem keep the environment clean and create

healthy environment.

IDEA: We used some electronic components like GSM to send the message and sensors for detection.

SOLUTION: now a days people are fascinating towards technology so we brought up with a idea to keep environment.

It is based on IOT mechanism, The GSM module is used to send a message for

updating the status of the bin of the device when the bin level exceeds the

threshold limit. The system transmits the given-ID. After that, their dustbin

will automatically close the door. once the bin overloaded. The user will notable to

access the bin. the status of the bin will be able to indicate on the LED display and

it will send a message with the help of GSM to concern authorities

To prevent the bad smell. The usage of spray mechanism is done to spray

fragrances and disinfectant diffuser. smart garbage bin can be operated

through both electricity and battery. Sensors use din this system help to open lid

of a bin automatically with the help of servo motor. ultrasonic sensor is used to

manage level of trash in the bin.

Within this frame work there are four developed subsystems. Smart waste bin,

short messaging service (SMS) notification system. Real-time monitoring

system, spray mechanism.

For fragrances and disinfectant diffuses these are interrelated to each other

to perform as an efficient, cost-effective waste management system that

yield to a given and healthy living environment.

