PROPOSED SYSTEM

The technology is built on the concept of IoT, Android, web and cloud. The system

A. System Architecture

1. Smart Bins- The bins will be connected with some sensors, so that it can give the status of the bins to the garbage

collector, and the admin side the data of the bins will be collected in the cloud database, and from the cloud database it

can be used.

2. GPRS Vehicle Tracking- Garbage collecting vehicles can be tracked using the GPS module and the RFID tags, once the

vehicle reaches the particular region where the bins are located, the RFID tags on the vehicle and dustbins read and

transmit the signal of the status to the cloud. And from the cloud, the data will be shared to the user’s app and the admin

dashboard.

3. Android Application- The Android app will act as a bridge between the users and the municipal cooperation people. The

user can be provided with some features like tracking of the garbage vehicle, day to day activity of the society cleanliness

and users can have an interaction with the municipal peoples also, and they can also raise their voice against the issues

which they are facing in their region. People even can give some suggestions to the government regarding some better

solution against the fight for Waste management. Along with that one more feature is added for the user, where he/she

can book the garbage vehicle to take waste from his location on the user chargeable basis.