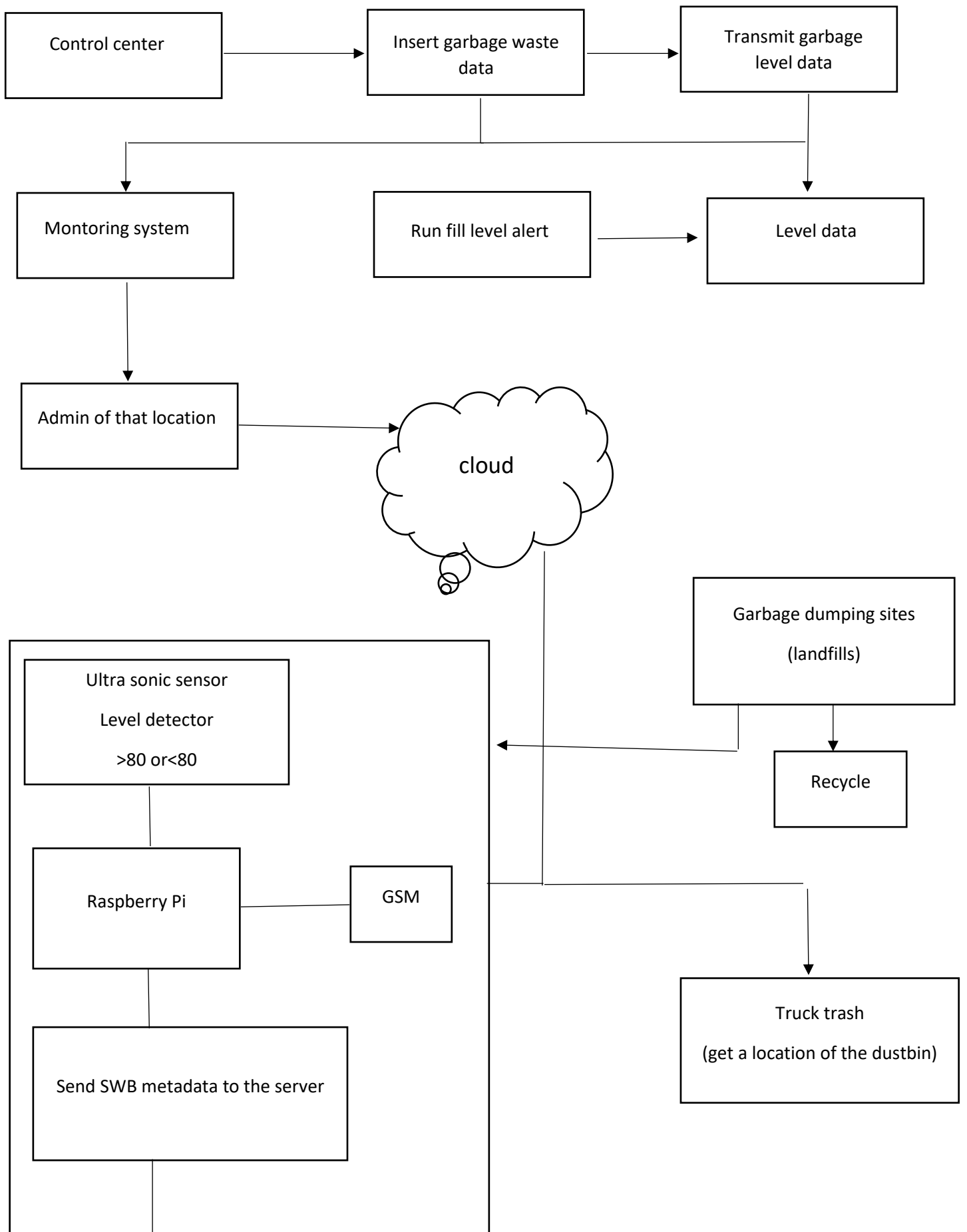


DATA FLOW DIAGRAM



DATA FLOW DIAGRAM

Truck Trash Webportal to show the location of garbage id which can access by waste collector Truck track car Smart Fone (To get gps location for dustbins which is filled)

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of t graphically. requirement It shows how data enters and leaves the system, what changes the information, and where data is stored. A smart waste management platform uses analytics to translate the data gather in your bins into actionable insights to help you improve your waste You can receive data on metric such as:

The first test conducted is the situation where arbage bin is empty or its garbage level is very low. Then, the bin is filled with more garbage until its level has surpassed the first threshold alue, which is set to 80% then the first warning SMS is being sent, as depicted

The first notification SMS sent by the system, once the waste reaches the level of 85% full

The second notification SMS sent by the system, indicating that bin is at least 95% full and the garbage needs to be collected immediately • Locations prone to overflow

The number of bins needed to avoid overflowing waste

- The number of collection services that could be saved
- . The amount of fuel that could be saved
- The driving distance that could be saved