DATA FLOW DIAGRAM

IOT CLOUD

Wi-Fi

Motor		Stepper Motor
Ultrasonic To detect waste	Microcontroller	Ultrasonic Sensor to detect level
Power Supply		Bins

LCD

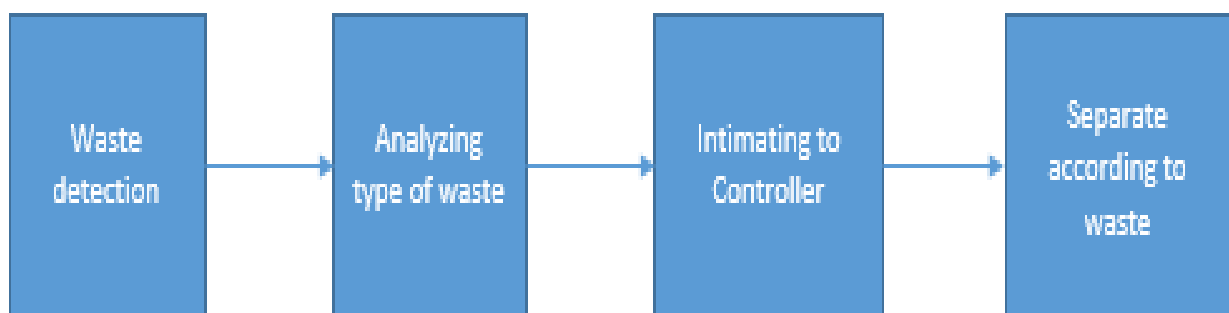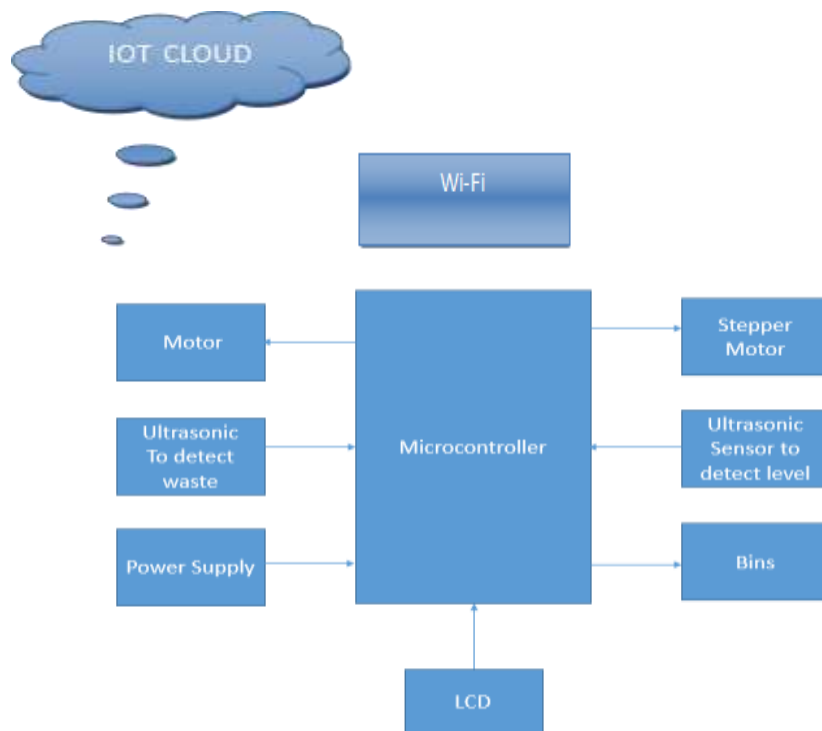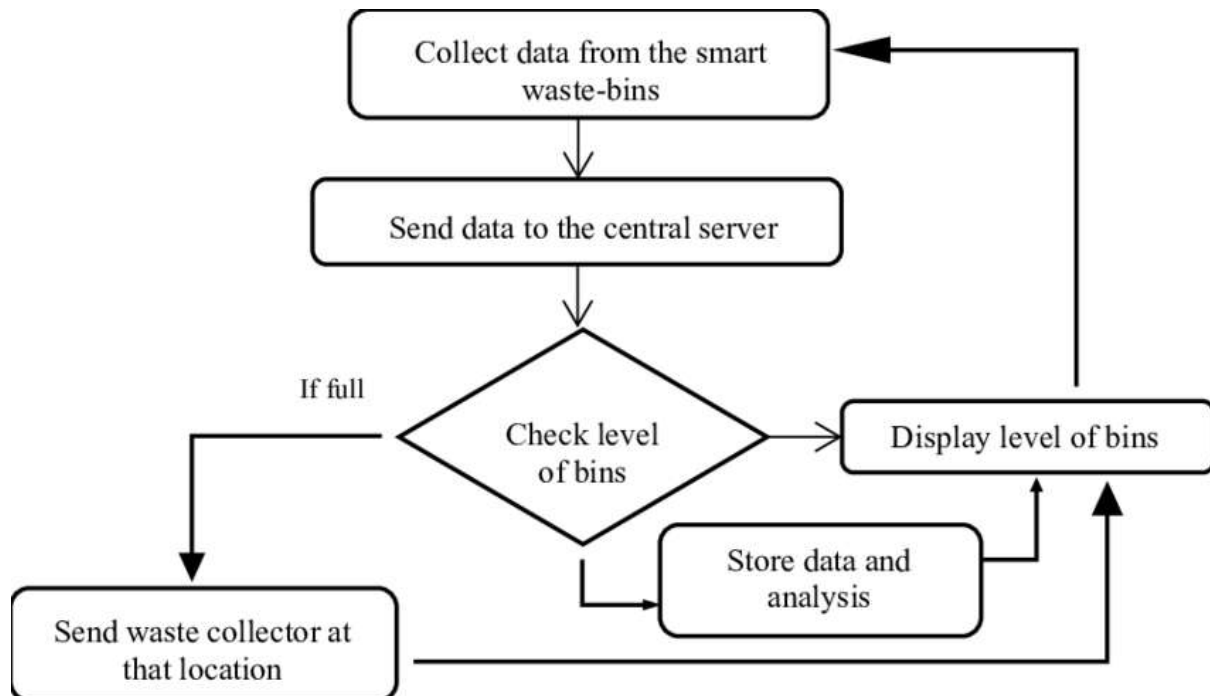| Waste detection	→	Analyzing type of waste	→	Intimating to Controller	→	Separate according to waste

FLOW CHART

DATA FLOW DIAGRAM: A data flow diagram is the graphical representation of the flow of data through an information system. DFD is very useful in understanding a system and can be efficiently used during analysis. A DFD shows the flow of data through a system. It views a system as a function that transforms the inputs into desired outputs. Any complex systems will not perform this transformation in a single step and a data will typically undergo a series of transformations before it becomes the output. With a data flow diagram, users are able to visualize how the system will operate that the system will accomplish and how the system will be implemented, old system data flow diagrams can be drawn up and compared with a new systems data flow diagram to draw comparisons to implement a more efficient system. Data flow diagrams can be used to provide the end user with a physical idea of where they input, ultimately as an effect upon the structure of the whole system. In the perspective of application development Data

Flow Diagram (DFD) is a special chart type which lets graphically illustrate the "flow" of data through various application component. So the Data Flow Diagrams can be successfully used for visualization of data processing or structured design.