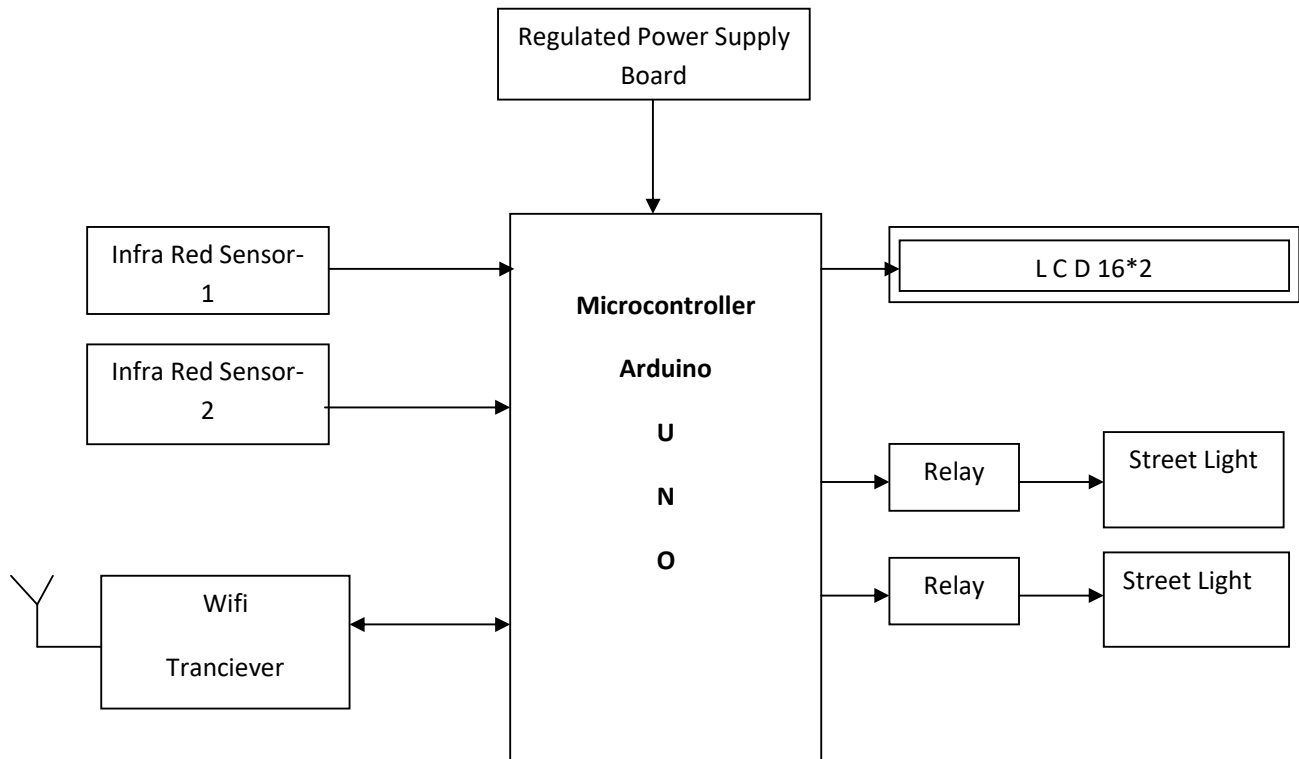
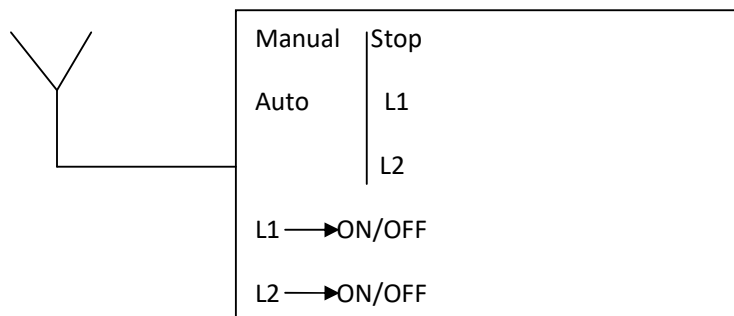


IoT BASED STREET LIGHT MONITORING & CONTROL SYSTEM

HARDWARE



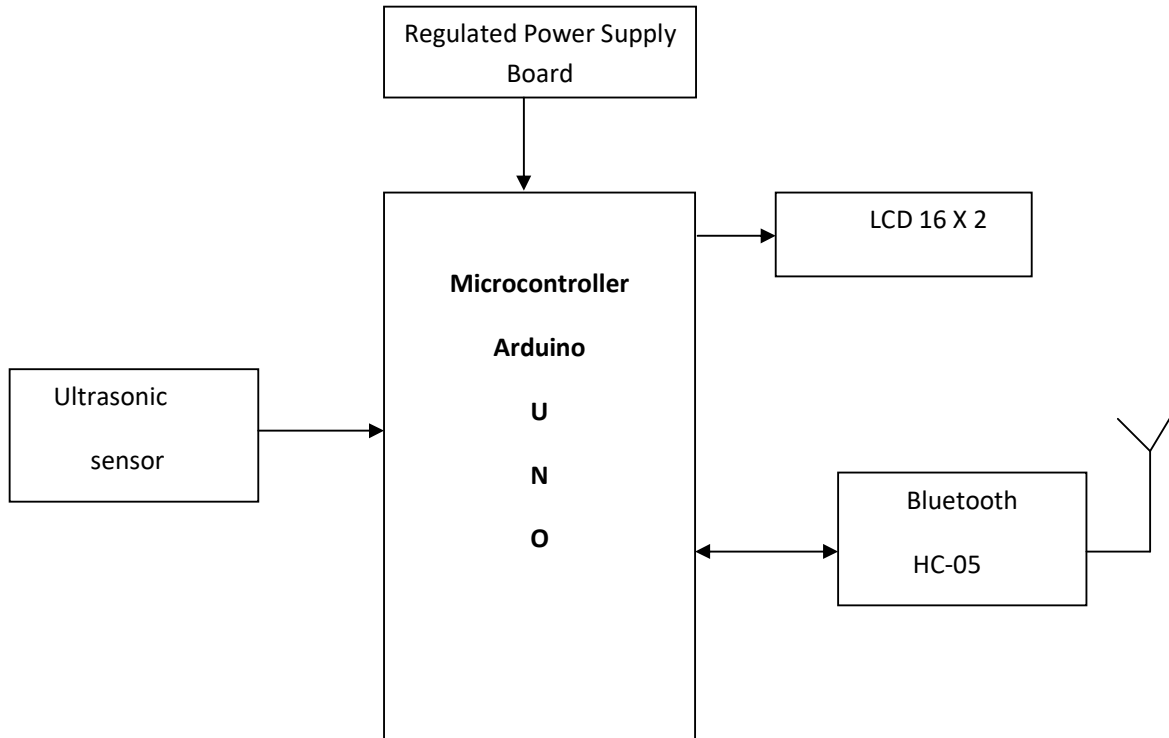
SOFTWARE



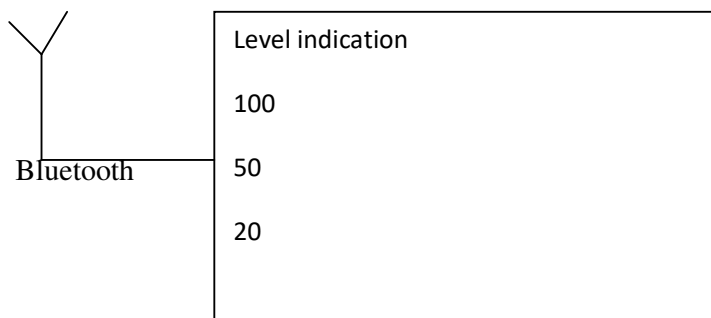
- There will be 2 modes of operation. 1.Manual 2.Atomatic
- In manual mode, the street lights are controlled by remote application and in auto mode the lights will be controlled with respect to sensors.
- The software application gets connected to the hardware through Wi-Fi.

SMART DUSTBIN

HARDWARE



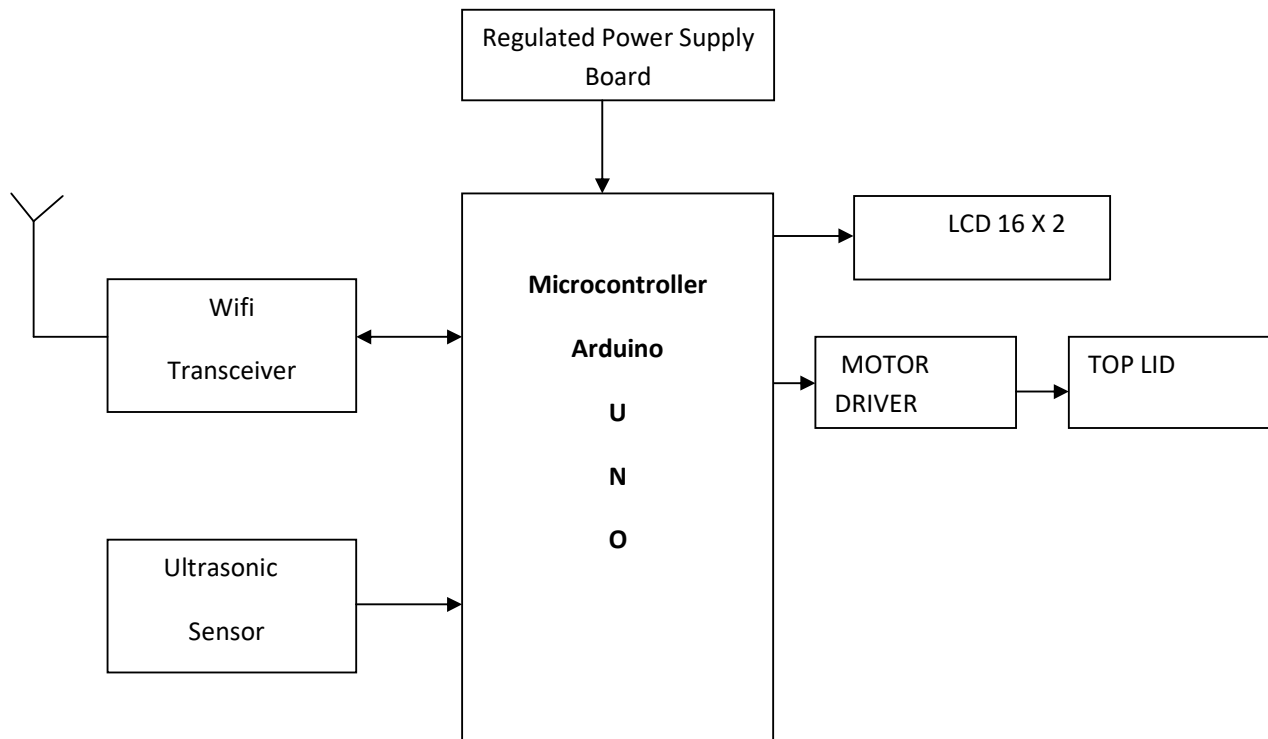
SOFTWARE



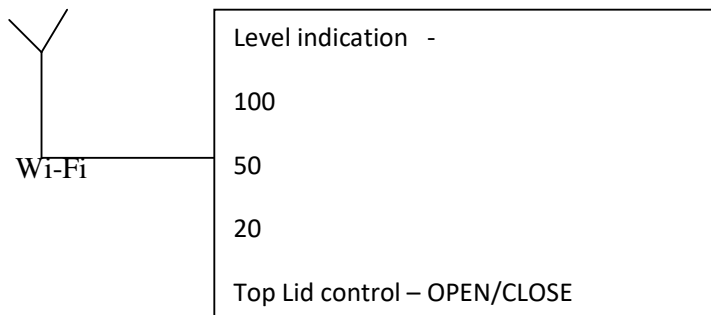
- The waste level of the dustbin is monitored through ultrasonic sensors.
- As per the level of waste present, the controller will send the data to the remote application through Bluetooth communication.
- Software indicates the level of waste present in the bin.

IoT BASED DUSTBIN MONITOTING AND CONTROL SYSTEM

HARDWARE



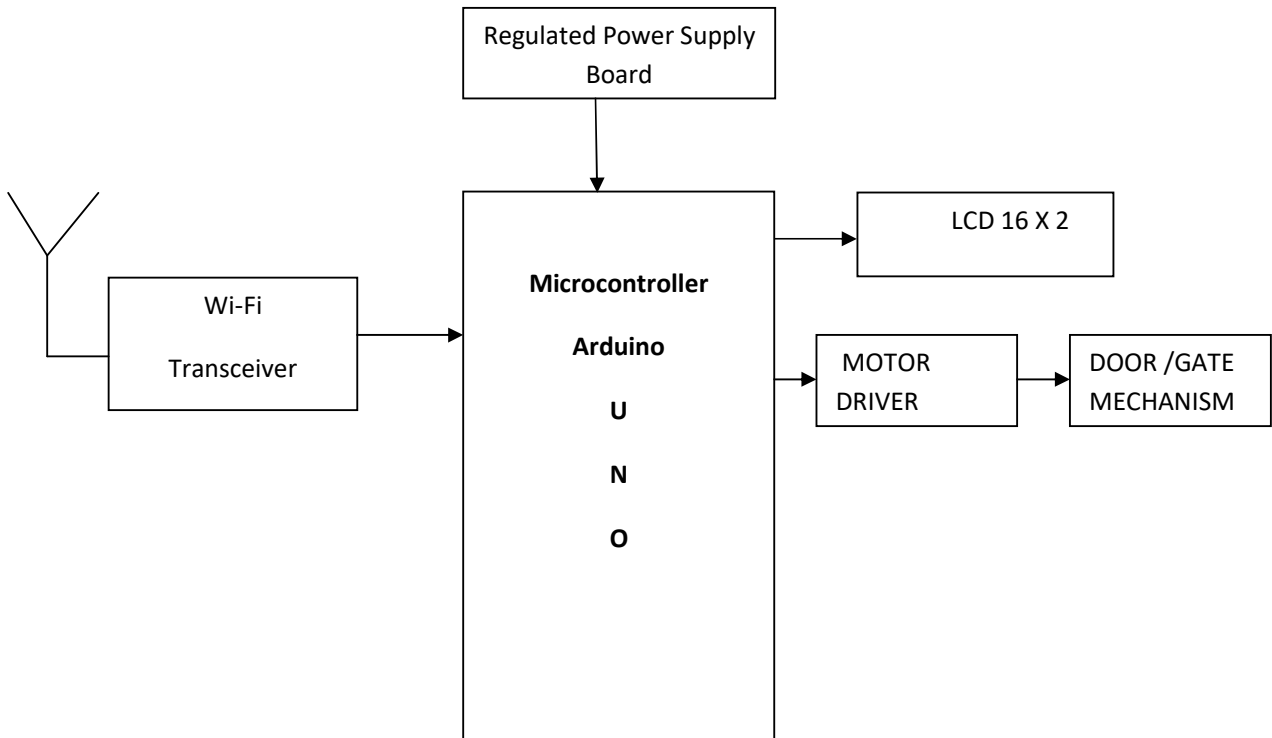
SOFTWARE



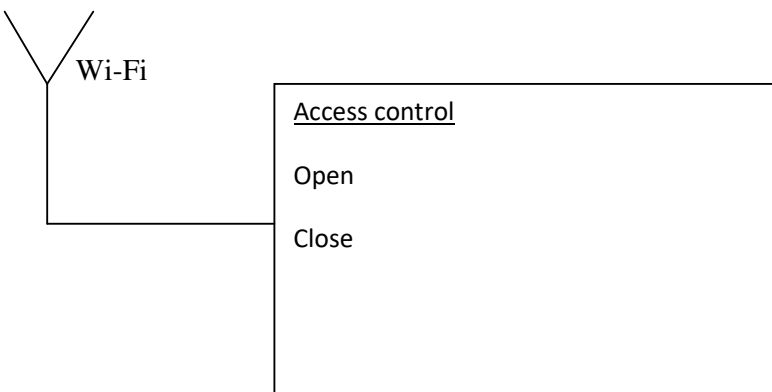
- The waste level of the dustbin is monitored through ultrasonic sensors.
- As per the level of waste present, the controller will send the data to the remote application through Wi-Fi access.
- Software indicates the level of waste present in the bin.
- If the bin is full, the top lid of the bin will be automatically closed.

IoT BASED ACCESS CONTROL SYSTEM

HARDWARE



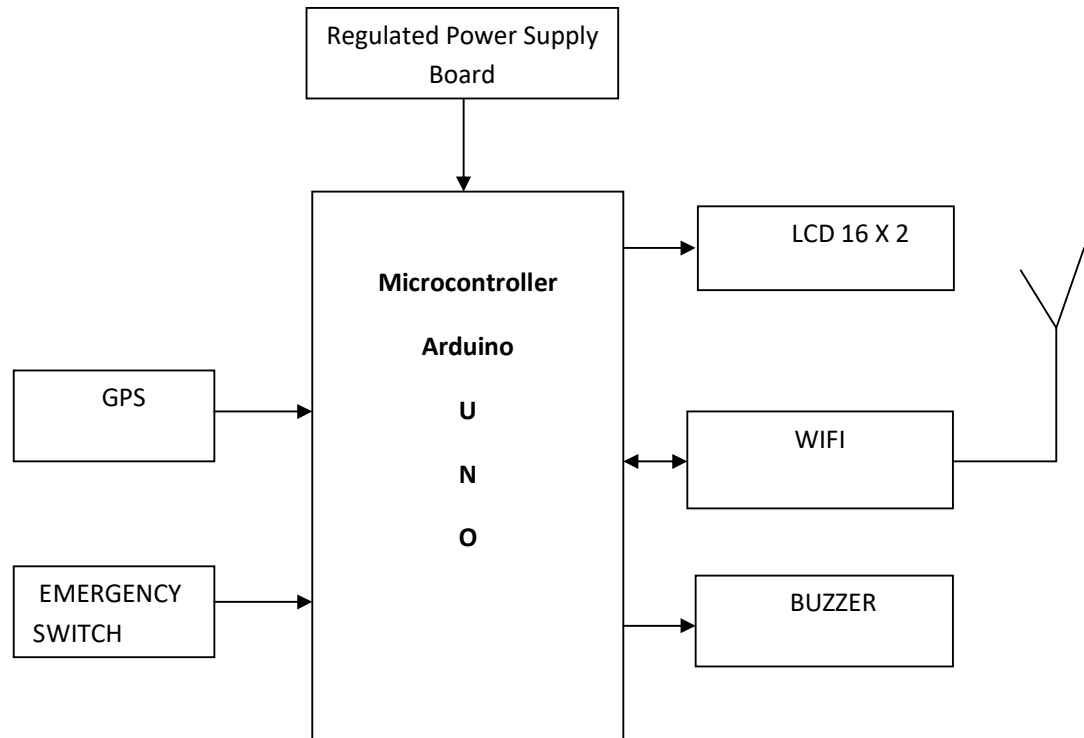
SOFTWARE



- This system enables the user to control his gates / doors with remote Wi-Fi application.(Android / Windows)

CHILD SAFETY WEARABLE DEVICE (IoT SYSTEM)

HARDWARE



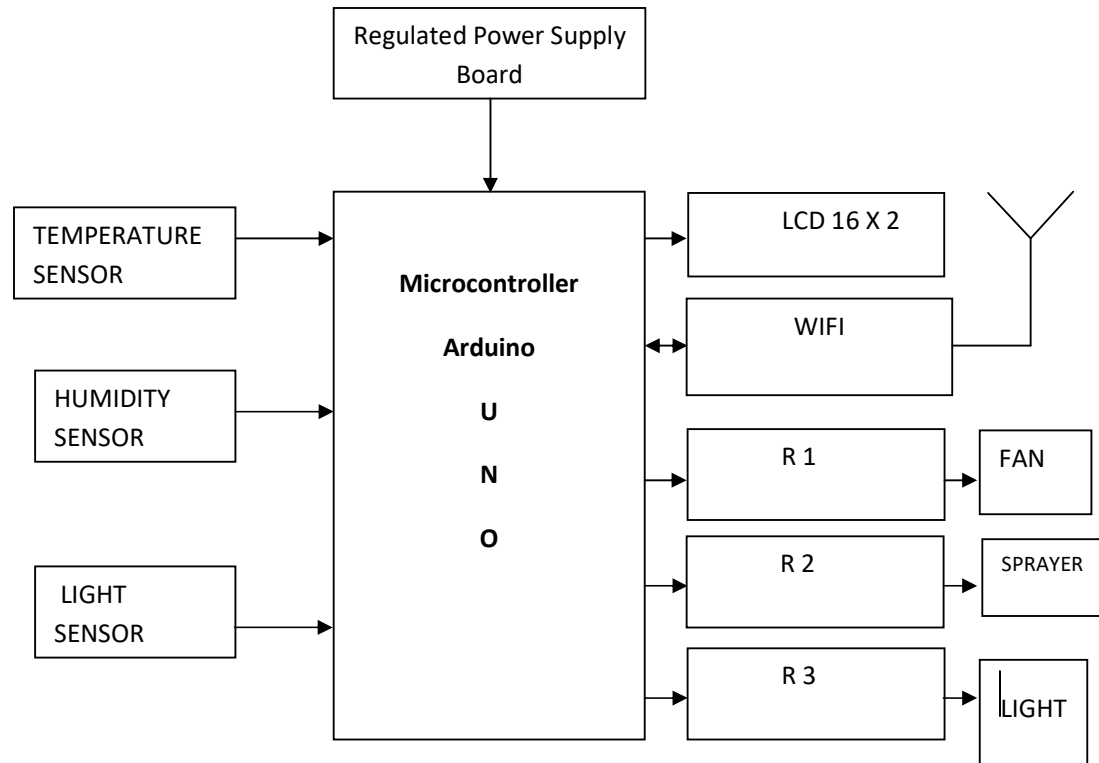
SOFTWARE

LOCATION:		
EMERGENCY MSGS:		
EMERGENCY SWITCH:		

- This is a prototype of a wearable device for a child safety application which has GPS and Wi-Fi.
- If the child is in danger, it can press the emergency switch for help, which will send location data to the remote monitoring system via Wi-Fi.
- The software application can also know the present location of the child as required and can alert the buzzer in case of emergency.

WEATHER MONITORING SYSTEM

HARDWARE



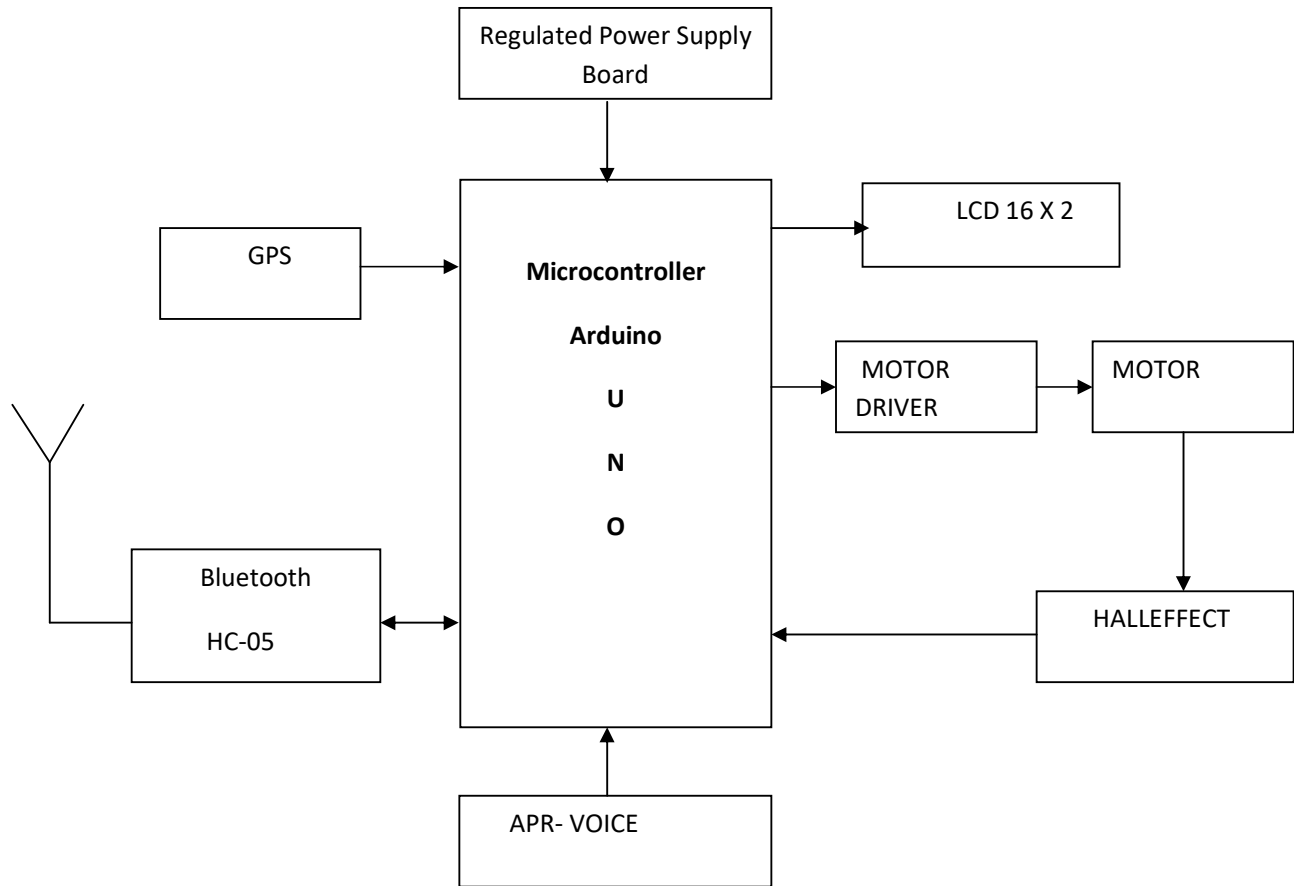
SOFTWARE

TEMPERATURE:		
HUMIDITY:		
LIGHT PRESENT:		
FAN CONTROL	SPRAYER CONTROL	LIGHT CONTROL

- This system monitors the parameters like temperature, humidity, light.
- There are 2 modes of operation. Manual / Automatic.
- In the automatic mode, the devices are controlled with respect to the sensors.
- In the manual mode, based on the sensor values, the user can control the devices as required through Wi-Fi application.

BLACKBOX SYSTEM FOR VEHICLES

HARDWARE



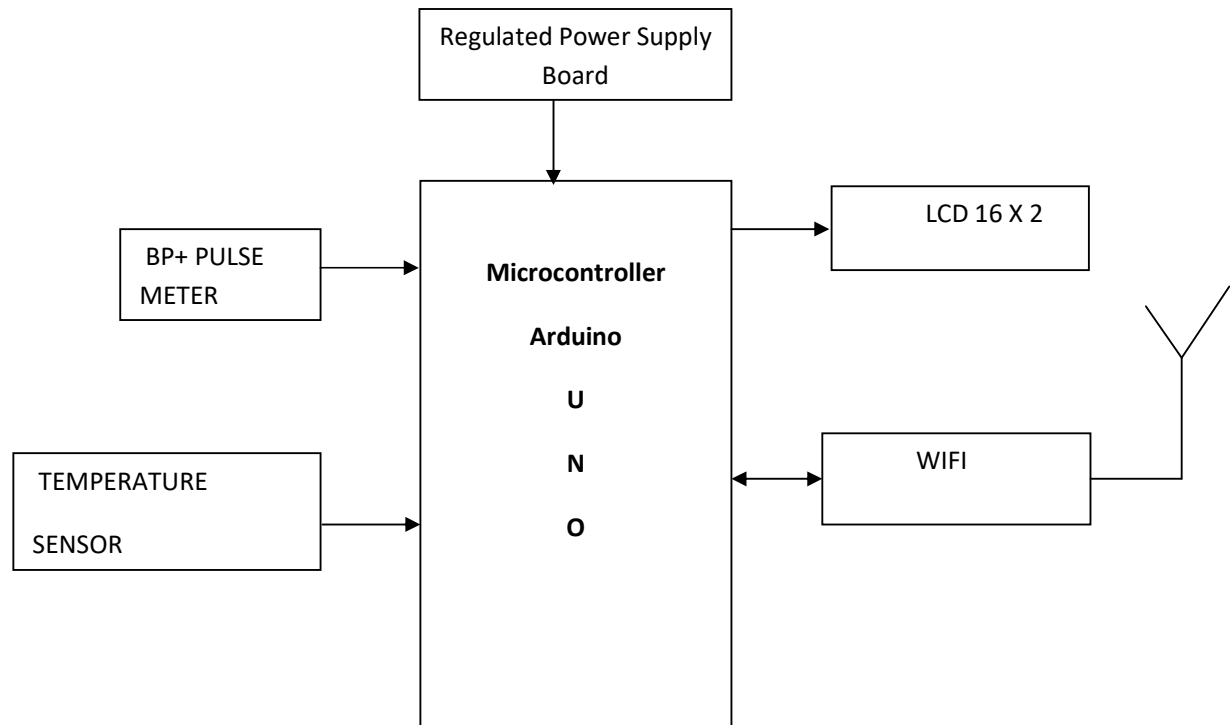
SOFTWARE

LOCATION:		
ACCIDENT TEST:		
SPEED CONTROL:		
CHECK VOICE SIGNAL:		

- This system monitors the parameters of the vehicle like location, speed.
- In case of an accident, the system fetches the GPS co-ordinates, records the speed during accident, and saves the data in EEPROM and also sends the data to the server via Bluetooth/Wi-Fi.

IoT BASED PATIENT MONITORING SYSTEM

HARDWARE



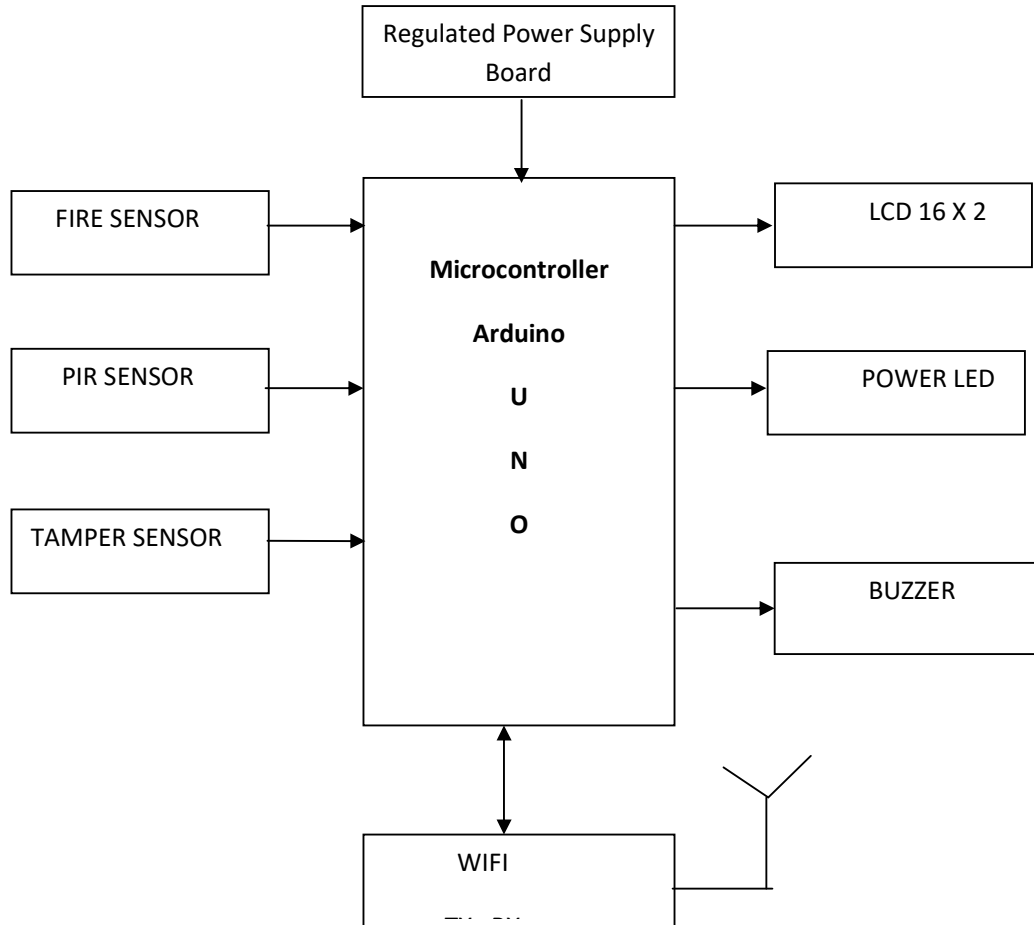
SOFTWARE

BP:		
PULSE RATE:		
TEMPERATURE:		
EMERGENCY CHECK:		

- This system monitors the BP, Temperature and pulse rate of the human body.
- The system will regularly send the data to the remote server through Wi-Fi. The doctors can anytime check the patient condition remotely by sending commands through a remote Wi-Fi application.

IoT BASED HOME SECURITY SYSTEM

HARDWARE



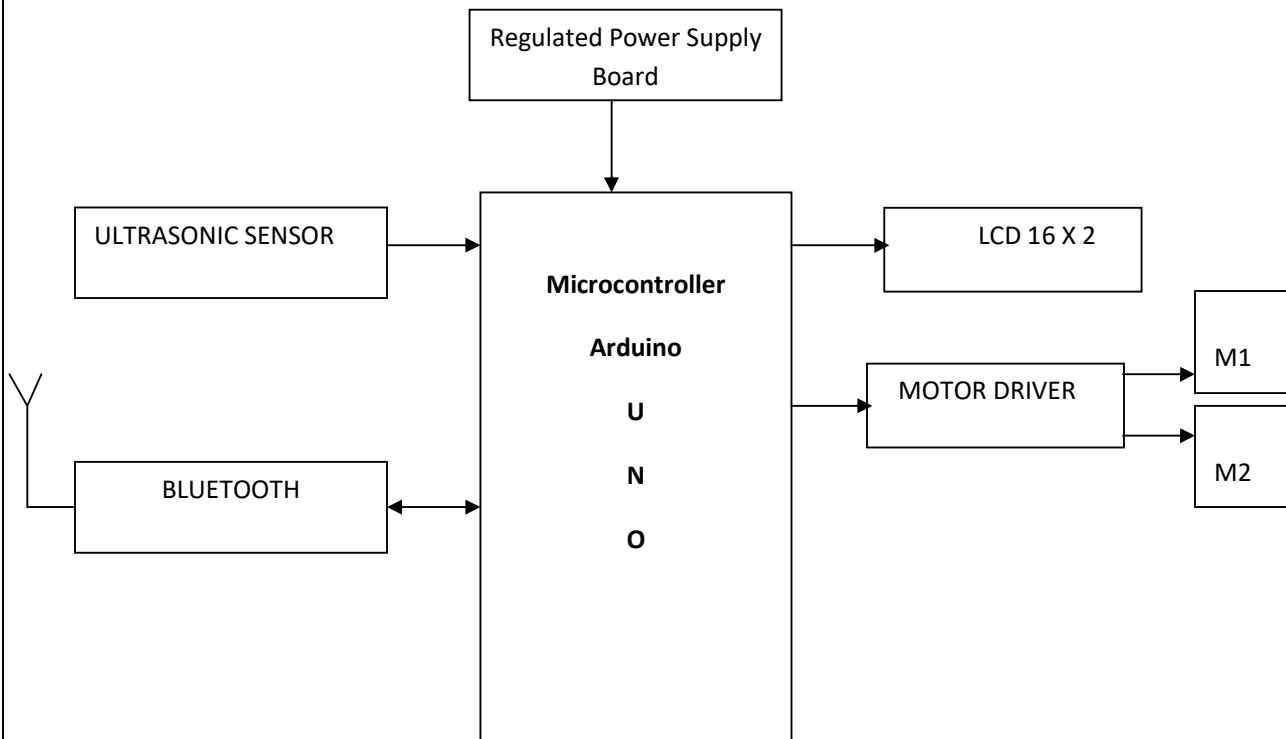
SOFTWARE

FIRE DETECTION		
INTRUDER DETECTION		
DOOR TAMPER DETECTION		ALARM CONTROL

- This system provides security features like fire detections, intruder detections, door/windows tamper detections. In case of any such incidents, the system will send alert information to the remote user application via Wi-Fi connectivity. The user in-turn can control the siren/buzzer as defending measures.

SMART AUTONOMOUS ROBOT

HARDWARE



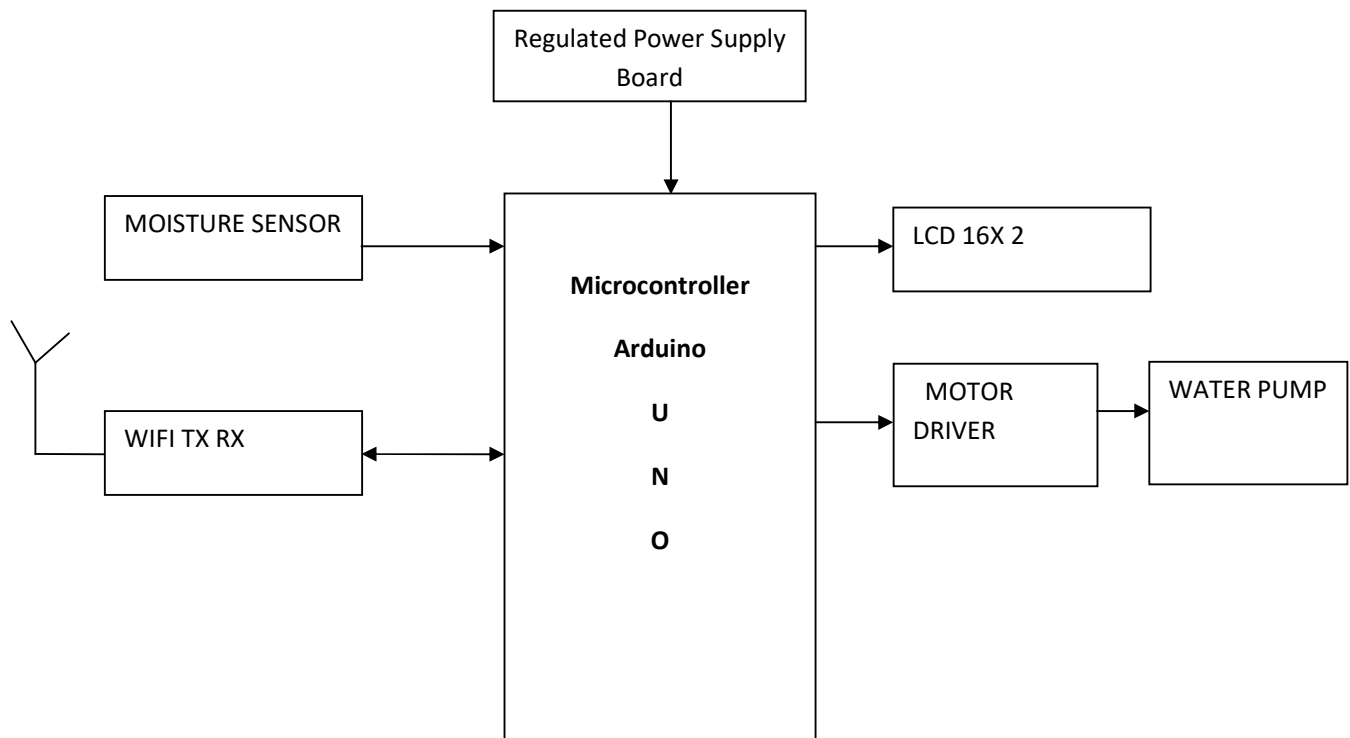
SOFTWARE

GRAPHICAL ROUTE MAP		
ROBOT CONTROLS		
ROBOT STATUS		

- This is an autonomous Robot which moves by itself. There is an ultrasonic sensor to avoid any collisions. Depending on the direction of the movement, the robot sends data accordingly to the remote software application. The application can plot the graph accordingly as per the movement of the robot.
- The robotic movements can also be controlled manually through the remote Bluetooth application.

IRRIGATION SYSTEM

HARDWARE



SOFTWARE

MOISTURE SENSOR		
PUMP CONTROLS		
PUMP STATUS		

- This system has two modes of operation. Manual/Automatic. In the automatic mode, the water pump is controlled by itself based on the moisture content of the soil. In the manual mode, the pump can be controlled by the remote software application and the current status of the pump will be displayed.