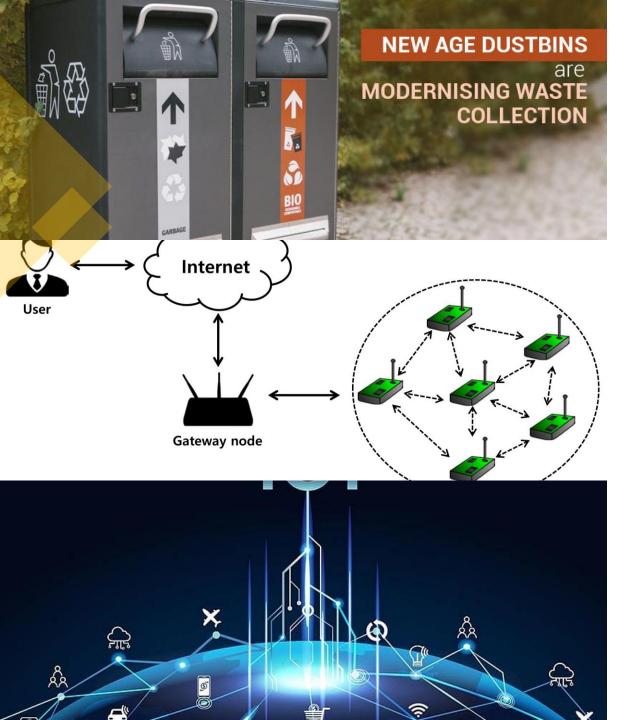




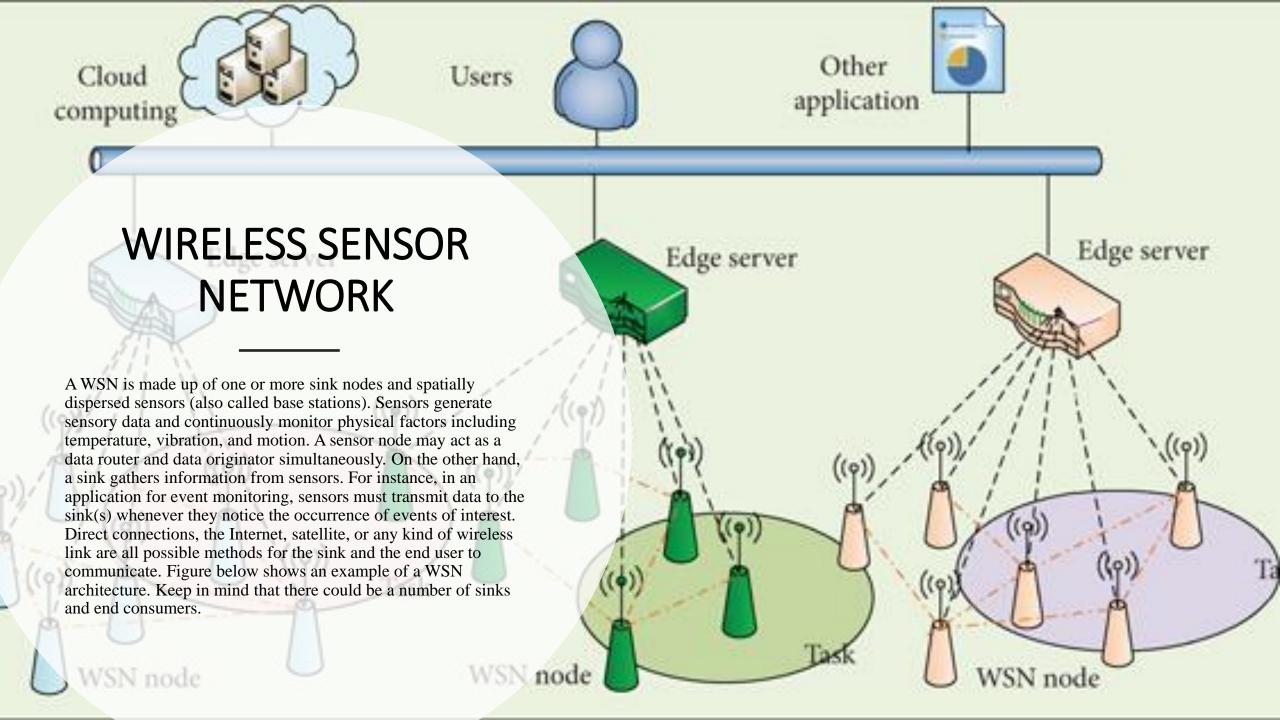
PROBLEM STATEMENT

Solid waste management, which disturbs the environment's equilibrium and has negative consequences on society's health, has been one of the key environmental challenges. One of the main issues of the modern period is the identification, supervision, and management of trash. The conventional method of physically checking the wastes in trash cans requires more human labour, takes longer, and costs more money. It is in no way compatible with modern technology.

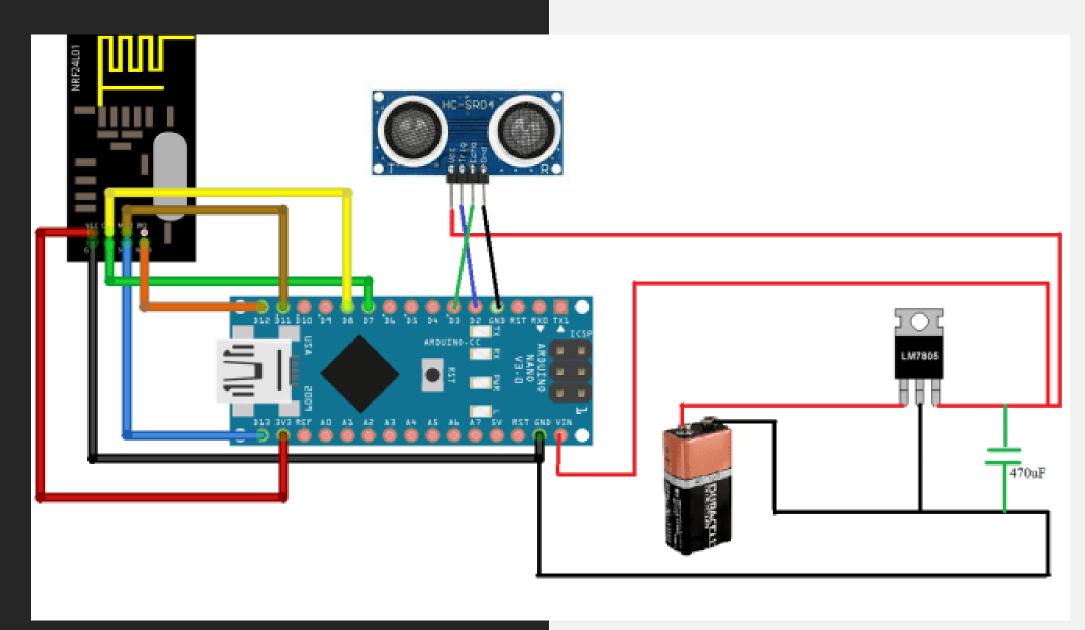


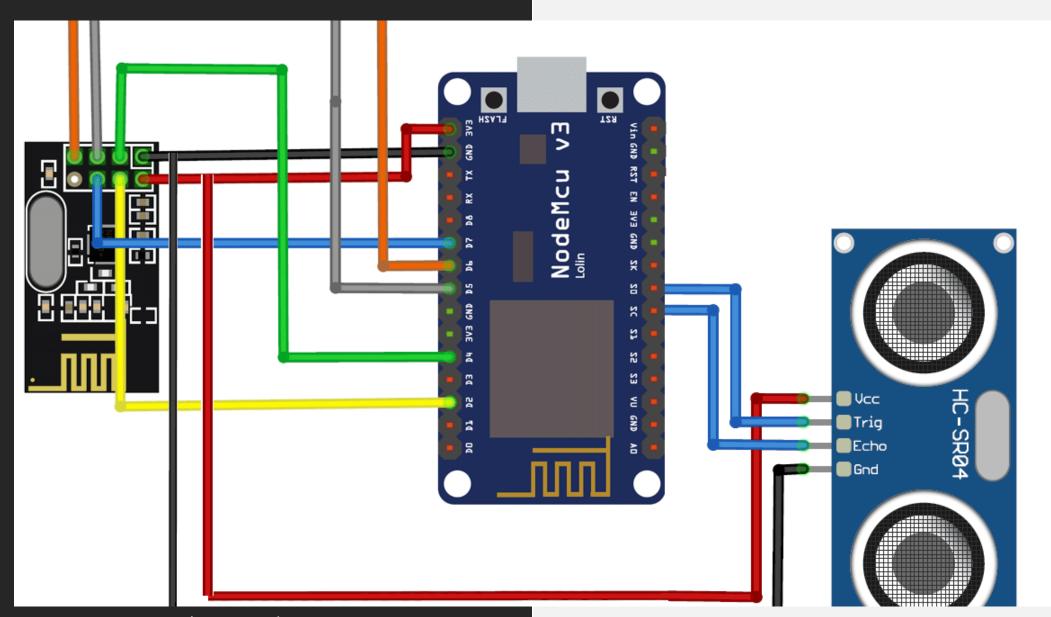
PROBLEM SOLUTION

• "IoT-WSN Connected Dustbins" is a smart wireless sensor network having different sensors, IoT and WSN technology to provide an innovative solution to automation industry assisting to build smart dustbins for smart cities. Monitoring of dustbins can be implemented using ultrasonic sensors, LEDs, microcontrollers and other supporting devices along with renewable power source. Many devices are available in the market having such type of solution. Some smart dustbins are using IoT service to report the administration about the status of dustbin. But is it possible to provide internet access to each dustbin. Not at all. So "IoT-WSN Connected Dustbins" is a native solution to solve the stated problems.

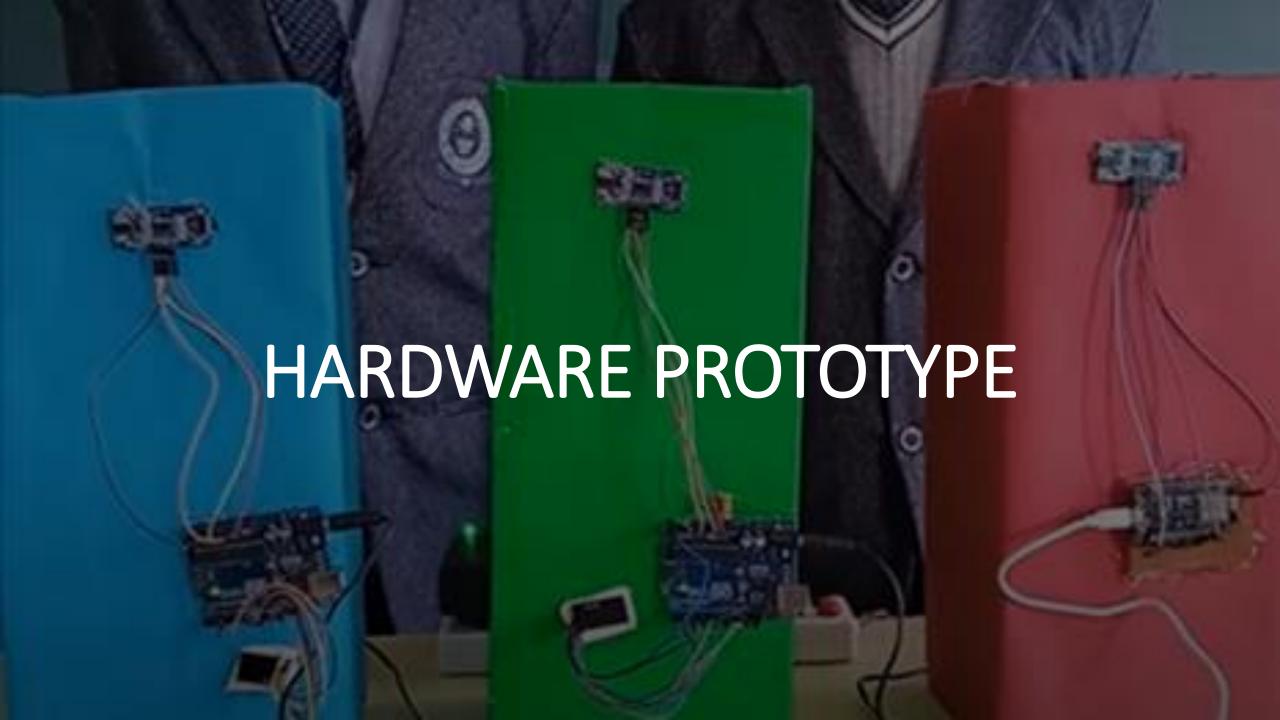








CIRCUIT DIAGRAM: Cluster Head



THANKS

