

## Project objectives

Indiscriminate disposal of solid waste is a major issue in urban centers of most developing countries and it poses a serious threat to healthy living of the citizens. Access to reliable data on the state of solid waste at different locations within the city will help both local authorities and the citizens to effectively manage the menace. In this paper, an intelligent solid waste monitoring system is developed using Internet of Thing and control computing technologies. The fill level of solids waste in each of the containers. A wireless Fidelity communication link is used to transmit the sensor data to an IoT cloud platform known as thingspeak. Depending on the fill level, the system sends appropriate notification message to alert relevant authorities and concerned citizens for necessary action. Also the fill level is monitored on thingspeak in full-time. The system performance shows that the proposed solution may be founded useful for efficient waste management in smart and controlled communities.