

ABSTRACT

Indiscriminate disposal of strong waste is a major problem in urban centers of most developing countries and it poses a serious risk to healthful living of the citizens. Access to dependable records on the state of stable waste at exclusive places in the city will help both the local government and the residents to correctly manipulate the menace. In this paper, an smart stable waste tracking system is advanced the usage of Internet of Things (IoT) and cloud computing technology. The fill stage of solid waste in every of the packing containers, which are strategically located throughout the groups, is detected the use of ultrasonic sensors. A Wireless Fidelity (Wi-Fi) communication hyperlink is used to transmit the sensor facts to an IoT cloud platform known as ThingSpeak. Depending at the fill degree, the machine sends suitable notification message (in form of tweet) to alert applicable government and concerned citizen(s) for necessary action. Also, the fill level is monitored on ThingSpeak in actual-time. The gadget overall performance indicates that the proposed answer can be discovered useful for efficient waste management in clever and connected groups.