

Problem Statement for Smart Waste Management

One of the main concerns with our environment has been solid waste management which is disturbing the balance of the environment and also has adverse effects on the health of the society. The recognition, monitoring and administration of wastes is one of the primary problems of the present era. The traditional way of manually monitoring the wastes in waste bins is a complicated, unmanageable process and utilizes more human effort, time and cost which is not congruous with the present day technologies in any way. This project Garbage Monitoring using IOT is a very innovative system which will help to keep the cities clean. IOT is the network of physical devices embedded with software and sensors and network connectivity which enables these objects to collect and exchange data. This system will monitor the garbage bins and informs about the level of garbage collected in the garbage bins via a web page. This web page also contain all information about garbage collection vehicles. If the Garbage Collector is filled up to its threshold value then the message is displayed on web portal and the responsible authority take proper action also all the information regarding to the level of Garbage present within the Smart Bin is displayed on to the Smart Bin Application on the users mobile phone. This is an advanced method in which waste management is automated.