OBJECTIVES

The purpose of the project is to find a smart way to manage the solid wastes in the metropolitan cities. The waste management system can be made simple and effective with the application of the IOT devices and developing a web application to develop a smart waste management system to monitor and to dispose the waste in metropolitan cities. It is a very effective way of managing waste. The main objective of the smart waste management system in metropolitan cities is to watch the level of garbage in the bins of a particular locality and to watch their weight of the garbage bins when the garbage bins attains the threshold level of garbage, the local authority is alerted about the level of the garbage as weight in kilograms and the location of the bin in that locality using Global positioning system to obtain the location of that particular bin and the waste is evacuated from that area. This system will help the authorities from preventing the overflow of the garbage whichfurther prevents the spread of diseases and bad odor from that garbage bin this is a modern solution to prevent the evil effects of the unavoidable disposal of the garbage in the metropolitan cities. This smart waste management system prevents involves some of the major leading technologies such as the Internet of Things, Embedded System and Web app development. The usage of Cloud in involved to take care of various parameters which are used to measure the garbage waste inthat locality and to update the local authorities about the garbage levels in the bins which are in that locality and to warn the local authorities about the garbage level and the location of the overflowing bin. When the local authorities are warned withthe garbage levels the local authorities can take some precautionary measures to evacuate the solid waste from that particular bin.