# LITERATURE SURVEY

As the population is increasing the solid waste is also increasing in urban and rural areas and waste management has become a global concern. We need to take right decision in order to manage this overflowing garbage. Mainly there are three types of sources where garbage is generated viz. residential, commercial and industrial. The garbage produced in the residential area can be collected directly from home or by making an arrangement for mass collection in that area and can be lifted using vehicles. ways. For effective handling of these wastes like collection and disposal, Internet of Things (IOT) concept is being used, which mainly deals with sensing, actuating, data gathering, storing and processing by connecting physical and virtual devices to the Internet. Internet of Things (IOT) proves to be a reliable one for solid waste management by solving the problems like collecting data, processing it and outputting the result action using the protocol in efficient manner. This project describes the waste collection as a potential Internet of things service which exploits robustness and cost efficiency of a different types of fleets. People have proposed various ideas in relation to the given problem.

Authors Vikrant Bhor and Amol Deshpandey have proposed a system that detects the level of garbage in the dustbins with the help of sensor systems and send this information to the authorized control room through the GSM system. Weight sensor determines the weight of the garbage in the dustbin and Infrared (IR) sensor is used to detect the waste level in the dustbins. The weight sensors help in weighing the bin so that the waste management authority is aware of the amount of waste in the bin. The IR sensors or level sensor help to determine if the bin is full with waste or not. This system assures the cleaning of dustbins as soon as possible when it reaches the maximum level and also helps to monitor the fake reports. Hence it indirectly reduces the corruption in the management system. Authors have mentioned the future work is to use solar panels to reduce the energy consumption.