ABSTRACT:

Arising quality of life and high rates of resource consumption patterns have had an unintended impact on the environment.

Cities are now grappling with the problems of large volumes of waste and their disposal methodologies. With the increase in population, there is increased garbage produce, for which a proper waste management system needs to be put in use. With the help of IOT as a technology, a smart way of garbage collection system is proposed as a part of the project.

Smart bins equipped with GPS module, load sensors, IR sensors will be positioned at every house and at road junctions. This will smoothen the ground level mechanisms of waste collection.

Henceforth, an IOT based smart bins to collect and manage garbage is being lead into reality.

**Keywords**: Waste Management System, IOT, Smart bins, GPS, IR sensors, Reality.