PROBLEM STATEMENT

Nowadays, the Garbage Collecting Vehicle (GCV) collects the waste twice or thrice

in a week. So, the problem is over flowing of wastages on the roads. Hence, to

overcome this limitation , in this paper a scheme on smart waste management

Smart waste management is characterized by the usage of technology in order to

be more efficient when it comes to managing waste. This makes it possible to

plan more efficient routes for the trash collectors who empty the bins, but also

lowers the chance of any bin being full for over a week. When placing garbage

into the container, a sensor measures its capacity. Finally, the smart bin sends a

notification by mail or SMS when the container is ready to be emptied. Smart Bins

help to create a cleaner, safer, more hygienic environment and enhanced

operational efficiency while reducing management costs, resources, and road-side

emissions. Indiscriminate disposal of solid waste is a major issue in urban centers

of most developing countries and it poses a serious threat to healthy living of the

citizens. Access to reliable data on the state of solid waste at different locations

within the city will help both the local authorities and the citizens to effectively

manage the menace. The Smart Bin is ideal for busy locations such as campuses,

theme parks,airports,railway stations, and shopping Malls. Its purpose is to provide

hygienic, efficient, economic solid waste storage, collection, transportation

and treatment or disposal of waste without polluting the atmosphere, soil or water

system. Poor waste management contributes to climate change and air pollution,

and directly affects many ecosystems and species. Landfills, considered the last

resort in the waste hierarchy, release methane, a very powerful greenhouse gas

linked to climate change