Smart Waste Management is required for Metropolitan Cities to communicate and exchange information to provide advanced intelligent services for users. This project deals with the problem of waste management in smart cities, where the garbage collection system is not optimized. This project enables the organizations to meet their needs of smart garbage management systems. This system allows the user to know the fill level of each garbage bin in a locality or city at all times, to give a cost-effective and time-saving route to the truck drivers.

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| Questions | Description |
| Who does the problem affect? | The problem addresses the issue of Landfill Gas Pollution and Inefficient Waste Collection.  Millions of electronics & plastics are crowding landfills and the need for the hour is Smart waste management  system for greater efficiency and Community Health. |
| What are the boundaries of the problem? | Healthy boundaries are necessary components for self-care. Mandatory segregation of Waste for minimum  residual waste. Develop regulations to phase out non-recyclable materials and single-use items in the city.  Focusing on reducing and treating food waste and boosting recycling rates. |
| What is the issue? | Conventional means of waste management has played a significant role in creating awareness. It has lead to almost no effect on the masses. Such problems can be solved by modern technology of smart waste management by Garbage level detection in bins, Alerting the authorized person to empty the bin whenever the bins are full, view the location of every bin using GPS. If the problem continuous it would worsen the health of people by developing disease from the Land, Air, and Water  pollution, loss of habitats and contribute to the creation of greenhouse gases. |
| When does the issue occur? | Issues should be fixed at the earliest stage of the problem by reducing waste segregation by creating awareness.  It can be fixed or minimised by reusing items, buying items in bulk, using decomposable items, curb use of papers and instead adhere to digital means like email and e-receipt. |
| Only in certain locations, processes, products, etc? | This is a Global issue and every individual needs to take responsibility for its effects as well as for the  management of waste to prevent adverse health issues and ethical problems. It poses threat not only for human beings but also for other habitat in the Earth |
| Why is it important that we fix the problem? | 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! |