IDEATION

Municipal Solid Waste Management is of critical concern and needs attention.The rapid urbanization and industrialization has led to increased solid waste generation, about 2.1 billion tonnes of municipal solid waste is generated annually around the globe. So the traditional methods of waste collection have become inefficient and costly.The main objective is to maximize waste collection and optimize the work for municipal corporations. In order to overcome the disadvantages of traditional systems ,technology paves the way.

Traditional system Challenges:

- Inefficient way to identify the waste collection

- Fixed routine for waste collection

- Wastage of resources

- Missed pick-ups,causing unclean environment

Ideas:

- Placing a weight sensor in bins for the authorized person to monitor the level of bins

- Efficient route planning for the collection of waste based on the bin level

- Notifying the municipality corporation via a web application when the bin is full and collection is needed

- Real time monitoring of the location and level of bins