

PROBLEM STATEMENT

Smart Waste Management System For Metropolitan Cities

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- In the **present scenario**, we see the **garbage bins being overloaded and all the garbage spills out resulting in pollution**. The **detection ,monitoring and management of waste** is one of the **primary problems** of the present era.

- A **big challenge** in the **urban cities** is **solid waste management**. The **garbage collecting authority in traditional waste management system** doesn't know about the level of garbage in dustbin, if the **dust bins** gets full by garbage then it gets overflowed as well as spelled out from the dustbin leading to **unhygienic condition** in cities.

- **People throw garbage on that dustbin which is already overflowed**. Sometimes **due to unclean garbage bins bad smell arises also toxic and unhygienic gases are produced which is way to support to Air pollution and other harmful diseases** which are easily spreadable. It is very bad look of the city. **Use of traditional system result in inefficient and time and money spending system**.

- Hence **our problem statement is to design a system based on IoT application for collecting garbage from particular area whose garbage bins are overflowing with prior concern**. This method is advanced in which **garbage management is automated**. This project **Garbage Monitoring system using IOT** is a very innovative system which will help to keep the cities clean.