V.S.B. ENGINEERING COLLEGE
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ELECTRONICS & COMMUNICATION ENGINEERING

IBM Nalaiya Thiran Project – Based Experimental Learning Program

Project Name : **IOT based Smart Waste Management System For Metropolitan Cities**

Domain : **Internet Of Things**

Industry Mentor : **Sowjanya, Sandeep Doodigani**

Faculty Mentor :**T Sivalingam**

Team Members : **Keerthini R**
Keshavarthini A
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PROBLEM STATEMENT :

Across the globe, cities are generating ever-greater volumes of waste. According to the World Bank, cities produced just over two billion tons of solid waste in 2016. Yet, thanks to population growth and rapid urbanization, this is likely to increase by 70%, reaching 3.4 billion tons in 2050. This has major implications for urban centers in the US and abroad. We throw this away at home or wherever we are, usually in trash cans either inside or out on the street. But, where do people leave their litter when they aren't home and the trash cans on the street are full? You guessed it, on the street itself. Municipalities have a hard time keeping up with these outdoor bins, because it is very difficult to figure out when to empty them or whether they are full or not at all.

With the existing methods of collecting and disposal, it is near impossible to manage such amount of waste in the future as around 30% of waste end up on the roads and public places due to ineffective disposing and collecting methods.

EMPATHY MAP