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| Date          | 03 October 2022  |
| Team ID       | PNT2022TMID11434   |
| Project Name  | Project -Smart Waste Management System for Metropolitan Cities |
| Maximum Marks | 4 Marks  |

## PROJECT OBJECTIVES

- Reduce the volume of the solid waste stream through the implementation of waste reduction and recycling programs.
- Maintain a balanced smart waste management system which benefits the community while following regulatory requirements.
- Provide efficient and economical refuse collection, recycling, and disposal services.
- The objective of smart waste management is to reduce the quantity of solid waste disposed off on land by recovery of materials and energy from solid waste in a cost effective and environment friendly manner.
- The proposed system would be able to automate the solid waste monitoring process and management of the overall collection process using IOT (Internet of Things).
- The Proposed system consists of main subsystems namely Smart Trash System(STS) and Smart Monitoring and Controlling Hut(SMCH).
- In the proposed system, whenever the waste bin gets filled this is acknowledged by placing the

circuit at the waste bin, which transmits it to the receiver at the desired place in the area or spot.

- In the proposed system, the received signal indicates the waste bin status at the monitoring and controlling system.