

Project Name	Smart Waste Management System For Metropolitan Cities
Team Id	PNT2022TMID26530

S.No	Parameter	Description
1	Problem statement :	<ul style="list-style-type: none"> • Rubbish and waste can cause air and water pollution. • Rotting garbage is also known to produce harmful gases mix with the air and cause breathing problem in people. • Due to improper waste disposal, we may face several problems like unpleasant odour and health problems.
2	Solution	<ul style="list-style-type: none"> • To solve this problem of waste management for disposal using a smart refuse bin built with technologies like Sensors, Arduino Yun. • Garbage truck Weighing Mechanisms. AI Recycling Robots
3	Uniqueness	<ul style="list-style-type: none"> • Identify potential waste streams. • Create a waste management-focused community outreach plane
4	Social impact	<ul style="list-style-type: none"> • Neighbourhood of landfills to communities, breeding of pests and loss in property values. • The IOT solution uses the data and selects optimum routes for waste collection trucks

5	Business model	<ul style="list-style-type: none"> • It generates revenue through the provision of various waste management and disposal services. • Recycling solutions to residential,commercial,industrial,and municipal clients
6	Scalability	<ul style="list-style-type: none"> • Installing more bins fir collecting recyclables like paper, glass,plastic. • Recycling not only save energy but also prevent the material from going to landfills & Incineration and provides raw materials for new products