

Project Design Phase-I

Proposed Solution Template

Date	03 NOVEMBER 2022
Team ID	PNT2022TMID26725
Project Name	Smart waste management for metropolitan cities
Maximum Marks	2 Marks

Proposed Solution Template:

<u>S.NO</u>	<u>PARAMETER</u>	<u>DESCRIPTION</u>
<u>1</u>	Problem Statement (Problem to be solved)	Smart waste management for metropolitan cities.
<u>2</u>	Idea / Solution description	To manage degraded and non-degraded wastes and to improve waste management system in metropolitan cities in smarter way using sensors, GPS, IOT and data management.
<u>3</u>	Novelty / Uniqueness	An integrated system of sensors with coding, GPS monitoring with accurate information about location, automatic garbage range in bin detector and data management system
<u>4</u>	Social Impact / Customer Satisfaction	<ul style="list-style-type: none">• This provides us neat and hygienic environment and society.• Less fear for the spread of diseases.• Separation of degradable and nondegradable waste prevents us from land pollution.• Plastic wastes can be recycled and degradable waste can be converted as manures (organic manures)

<u>6</u>	Business Model (Revenue Model)	Smart waste management system with parameters involved in it.
<u>7</u>	SCALABILITY OF THE SOLUTION	<ul style="list-style-type: none"> ▪ This project can be used more efficiently with accurate information. ▪ Cost will be reasonable and efficient monitoring.