

Project Design Phase-I
Proposed Solution

Template

Date	02/10/2022
Team ID	PNT2022TMID38196
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.

