

**Project Design Phase-I**  
**Proposed Solution Template**

Date	20-10- 2022
Team ID	PNT2022TMID03704
Project Name	Smart Waste Management System For Metropolitan Cities
Maximum Marks	2 Marks

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	To maintain waste management systems in metropolitan cities which helps to maintain clean environment
2.	Idea / Solution description	<ul style="list-style-type: none"><li>• To solve this problem of waste management by automate the waste management process by using IOT.</li><li>• When bins are filled authorities are given information to remove the waste from the bin.</li><li>• And the authorities can know the location of the bins by GPS tracking.</li></ul>
3.	Novelty / Uniqueness	<ul style="list-style-type: none"><li>• The system promotes the idea of dynamic waste collection which is prompted only when there is a need for it. This prevents the wastage of various resources like fuel, labour and time.</li></ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"><li>• By collecting waste from bins can improve cleanliness of the city, the city becomes hygiene</li><li>• Good environment</li></ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"><li>• Smart waste management can generate money by providing services to public through municipal corporations.</li></ul>
6.	Scalability of the Solution	<ul style="list-style-type: none"><li>• Data manipulation is made very simple and it is scalable</li></ul>