

## Project Design Phase-I

### Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID03950
Project Name	Project – 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)	Now a days empty the bin at the right time is key problem .So we need to have system if the bin is filled ,it must provide notification to the authorized person with location of the bin
2.	Idea / Solution description	<ul style="list-style-type: none"><li>• Getting the level of the garbage bin</li><li>• Ones the Required level is reached it send the alert to authorized person</li><li>• Level and location of bins can continuously monitor through the web app</li><li>• We can view the location of every bin in the web application by sending GPS location from the device</li></ul>
3.	Novelty / Uniqueness	In this project we going to use motion sensor outside the bin, if a person throws trash outside the bin it will produce beep(Alarm) so that people throw the trash right into the bin
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"><li>• Pollution less society</li><li>• Proper collection and disposal of wastage</li><li>• Swachh Bharat Mission accomplished</li></ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"><li>➤ It's a portable device</li><li>➤ Its monitored through cloud</li><li>➤ Budget friendly</li><li>➤ It can be accessed remotely</li></ul>
6.	Scalability of the Solution	We can use machine learning or deep learning to predict the time of the filling so that user may know rough date, before actual alert, compactness