

Project Design Phase-I
Proposed Solution Template

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| Date | 24 September 2022 |
| Team ID | PNT2022TM1D47365 |
| 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) | Normally we have seen that there are many bins which are overflowed in metropolitan cities. Overflowing of trashes pollutes the city streets and it is one of the reasons for epidemics. |
| 2. | Idea/Solution description | By use of the sensors we can detect the level of garbage and sending the information about garbage level to municipality. |
| 3. | Novelty/Uniqueness | Intelligence data collection. Sensor installed on IoT devices is able to collect large volume of useful data. |

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| 4. | Social Impact/Customer Satisfaction | Makes the lives of the trash collectors comfortable. The city will be clean. The epidemic will be curbed. |
| 5. | Business Model(Revenue Model) | Increased life time of the model. Works even in hazardous environment(medical waste, e-waste, industrial waste i.e. chemicals) |
| 6. | Scalability of the Solution | Works stably even in the busiest metropolitan cities (<100 Million people). |