

Project Design Phase-I
Proposed Solution Template

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID47715 |
| 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 |
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| 1. | Problem Statement (Problem to be solved) | This Project proposed with the problem of waste management in Smart Cities ,Where the Garbage Collection is not optimized. with this project ,Where the Garbage levels, Garbage Truck route and Garbage damage can be shown to the user. |
| 2. | Idea / Solution description | Whenever the Garbage get full or Damage in Bin can be Notified to the authorized person or user. It can be able to automate the solid waste monitoring process and management of the collection. |
| 3. | Novelty / Uniqueness | The Uniqueness of this Project is That SWM makes notification to Authorized person or user when bin get full or cause damage. |
| 4. | Social Impact / Customer Satisfaction | User can be satisfied as where the waste can be collected Properly and know about the Garbage level. |
| 5. | Business Model (Revenue Model) | Waste Management organizes its operations into two reportable business segments: 1.Solid Waste, comprising the Company's waste collection, transfer, recycling and 2. Corporate and Other, comprising the Company's other activities and its recycling brokerage services ,as well as various corporate functions. |
| 6. | Scalability of the Solution | One of the most significant issues associated with smart city applications is solid waste management, which has a negative impact on |

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| | | <p>our society's health and the environment. In case of restaurants, malls and other commercial establishment garbage can be collected directly from the unit using vehicles But House and Streets where garbage levels can not be detected. To overcome this situation an efficient Smart Waste Management System For Metropolitan Cities has to be developed using Internet of Things.</p> |
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