PROPOSED SOLUTION

**Proposed Solution Template:**

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

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| **S.No** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | Waste monitoring and notification |
| 2. | Idea / Solution description | To monitor the waste through the sensor . |
| 3. | Novelty / Uniqueness | Using sensor and alarm to notify the cleaners. |
| 4. | Social Impact / Customer Satisfaction | Very good invention for Waste management. |
| 5. | Business Model (Revenue Model) |  |
| 6. | Scalability of the Solution | Runs to good. virtually works |

**Final Proposed Solution:**

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | When the garbage bin is filled, this device alerts the cleaners. |
| 2. | Idea / Solution description | [**S**mart waste managemen**t**](https://evreka.co/)focuses on solving the previously mentioned solid waste management problems using sensors, intelligent monitoring systems, and mobile applications. The first smart waste management solution to make the waste collection process more efficient is sensors. Sensors can measure the fill level of the containers and provide updated information at any time and notify waste management services to empty them when they are full or almost full. These devices help optimize the best possible route containing fully filled containers and create smart schedules for drivers. The selection of the containers also minimizes the need for trash collection staff because their duties are deduced. They can also alert the waste management companies or municipalities if an undesirable incident happens such as sudden temperature rise or displacement of the container by their GPS features. |

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| 3. | Novelty / Uniqueness | The enchantments will be adding more features, software, applications, hardware to make the proposed system. |
| 4. | Social Impact / Customer Satisfaction | The designer tested the system against different types of users. The feedbacks of peoples are highly promising. Results showed that 84% of the peoples are satisfied with the time controller, around 90% of the peoples are satisfied with the proposed interface. |
| 5. | Business Model (Revenue Model) | IOT based smart waste management system generate revenue through the provision waste management and disposal services and recycling solution to residential, commercial, industrial, and municipal clients. |
| 6. | Scalability of the Solution | It can be given up to 4 out of 5. |