**Project Design Phase-I**

**Proposed Solution Template**

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID29748 |
| Project Name | Project – smart waste management in metropolitan cities |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

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

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| **S.No.** | **Parameter** | **Description** |
|  | Problem Statement (Problem to be solved) | Inadequate service coverage,operational inefficience of service,limited utilization of recycling activities |
|  | Idea / Solution description | Reduce adverse effects of waste on human health,the environment ,planetary resourses and aesthetics |
|  | Novelty / Uniqueness | More trash bins are used and provided by cities and remove and collect the garbage waste in efficient ways |
|  | Social Impact / Customer Satisfaction | Some trash bins are overfilled while others are underfilled by the trash collection time,overfilled trash bins create unhygienic conditions |
|  | Business Model (Revenue Model) | Generates revenue through the provision of various waste management and disposal services and recycling solutions to residential,commercial,industrial,and municipal clients |
|  | Scalability of the Solution | The “smart bin” communicates information on fill levels and ensures collection only when the bin is full |