**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID29748 |
| Project Name | Project – Smart Waste Management System For Metropolitan Cities |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Download application through online registration |
| FR-2 | User Confirmation | Confirmation via E-mail  Confirmation via OTP |
| FR-3 | Cloud | Details are stored in cloud & update periodically |
| FR-4 | Notifier | Notification should send automatically when bins are filled |
| FR-5 | Sensor | bins are filled sensor will monitor the wastage |

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

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| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | It will stop overflowing of dustbins along roadsides and localities as smart bins are manage at real time. |
| NFR-2 | **Reliability** | Details are maintained. |
| NFR-3 | **Performance** | It aims at creating a clean as well as green environment. |
| NFR-4 | **Availability** | This method is available for all urban peoples for clean environment. |
| NFR-5 | **Scalability** | Scalability of the solution is made by maintaining bins monitor & provide guiding service based on the database. |