**Project Design Phase-II**

**Functional Requirements**

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| Date | 17 October 2022 |
| Team ID | PNT2022TMID27336 |
| 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)** |
| FR-1 | Taking sensor reading from the Sensor Circuit. |
| FR-2 | Pushing the data to a MySQL database. |
| FR-3 | Retrieving information from database for Calculation garbage bin which fulfils the condition for garbage collection, example: Collect garbage from bins whose level is over 80% of bin. |
| FR-4 | A client side script to get Garbage collection live Monitoring. |

**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 , Security, Reliability ,Performance ,Availability , Scalability** | The project requires a user interface for monitoring and manually intervening (if required) in the efficient and timely collection of garbage from the selected Garbage bins |