**Project Design Phase-II**

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

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| Date | 03 October 2022 |
| Team ID | PNT2022TMID21861 |
| 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 | Registration through Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | Graph | Showing graph by obtaining the data from the dataset |
| FR-4 | Support | To reduce the manpower |
| FR-5 | Notification | Notification will be sent for the admin as alert |
| FR-6 | Database | Information of the location area will be stored in the database |

**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 can be widely used in metropolitan cities with time management. |
| NFR-2 | **Security** | We are using login for the admin and the information will be stored in IBM cloud. |
| NFR-3 | **Reliability** | It will be reliable that it can update with very time period so that the accuracy will be good. |
| NFR-4 | **Performance** | It will be perform fast and secure even at the lower bandwidth. |
| NFR-5 | **Availability** | Smart Waste Management System will be available in every Metropolitan Cities |
| NFR-6 | **Scalability** | It is scalable that we are going to use data in kb so that the quite amount of storage is satisfied. |