**Project Design Phase-II**

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

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| Date | 28 June 2025 |
| Team ID | LTVIP2025TMID60743 |
| Project Name | Sustainable Smart City Assistant Using IBM Granite LLM |
| 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 | User Login | - Login via Email & Password - Login via Gmail - Forgot Password / Reset Option |
| FR-4 | Dashboard Features | - View Eco Tips - View Sustainability Score - Submit Feedback or Complaints |

**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 | The system should be easy to use and understand for all types of users. |
| NFR-2 | Security | User data must be protected using authentication, encryption, and secure access. |
| NFR-3 | Reliability | The system should work correctly without failures or crashes during use. |
| NFR-4 | Performance | The app should respond quickly (e.g., within 3 seconds for most actions). |
| NFR-5 | Availability | The system should be available to users 99% of the time, with minimal downtime. |
| NFR-6 | Scalability | The system should handle more users and data as the project grows. |