**Project Design Phase-II: Sustainable Smart City**

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| **Date** | **28 June 2025** |
| **Team ID** | **LTVIP2025TMID30062** |
| **Project Name** | **Sustainable Smart City Assistant Using IBM Granite LLM** |
| **Maximum Marks** | **2 Marks** |

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| **S.No** | **Requirement Description** |
| 1 | High system availability (99.9% uptime). |
| 2 | Scalability to support city-wide usage. |
| 3 | Data encryption for all user data at rest and in transit. |
| 4 | Mobile responsiveness and cross-platform compatibility. |

1. **Functional Requirements**

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| **S.No** | **Requirement Description** |
| 1 | User registration and authentication (Email, Gmail, Facebook). |
| 2 | Real-time service request submission (e.g., garbage pickup, street light issues). |
| 3 | Push notifications for traffic, air quality, water supply issues, etc. |
| 4 | Admin dashboard to monitor and resolve service requests. |
| 5 | Feedback system to rate services and collect user suggestions. |
| 6 | Smart data analytics dashboard for city planners (visualizations, trends). |

1. **Non-Functional Requirements**

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| 5 | Fast response time (under 2 seconds for critical actions). |
| 6 | Compliant with data protection regulations (e.g., GDPR). |