Project Design Phase-II: Solution Requirements (Functional & Non-functional)

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| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID21127 |
| Project Name | Sustainable Smart City Assistant |
| Maximum 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 | Policy Management | Upload Policy Document Summarize Policy Content Search Policy Semantically |
| FR-4 | Analytics Module | Upload KPI Data Forecast KPIs Detect Anomalies in Data |

# 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 | User-friendly interface for both citizens and administrators |
| NFR-2 | Security | Secure access, API key management, and encrypted data storage |
| NFR-3 | Reliability | System should be consistently available and stable |
| NFR-4 | Performance | Content generation and search should complete under 3 seconds |
| NFR-5 | Availability | System should be available 24/7 with minimum downtime |
| NFR-6 | Scalability | System should support increasing number of users and data |