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

Date	27 june 2025
Team ID	LTVIP2025TMID29266
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.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through FormRegistration through Gmail
FR-2	User Confirmation	Confirmation via Email
FR-3	Dashboard & Insights	View Live KPIsVisualize ForecastsEco Tips Display
FR-4	Feedback System	Submit FeedbackAdmin Review Feedback
FR-5	AI Model Integration	KPI Forecasting with LLMModel Deployment
FR-6	Administrator Controls	Monitor Model LogsAdjust Model Parameters

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	User-friendly interface using Gradio for both citizens and administrators
NFR-2	Security	OAuth 2.0 for login, secure API endpoints, and HTTPS enforcement
NFR-3	Reliability	System recovers gracefully from failures and stores feedback persistently
NFR-4	Performance	KPI dashboard loads within 2 seconds under standard network conditions
NFR-5	Availability	99.5% uptime during weekdays for admin access and citizen use
NFR-6	Scalability	System can scale to support multiple cities and thousands of users