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

Date	27 June 2025
Team ID	LTVIP2025TMID29301
Project Name	Citizen AI – Intelligent Citizen Engagement Platform using IBM Granite
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 via email form
FR-2	User Login/Authentication	Login, Logout with session handling
FR-3	Chat Assistant	Query submission and response using IBM Granite
FR-4	Feedback & Concern Submission	Submit feedback / concerns through form
FR-5	Sentiment Analysis	Classify feedback as Positive, Neutral, or Negative
FR-6	Dashboard & Insights	View sentiment distribution, reported concerns

Non-functional Requirements:
Following are the non-functional requirements of the proposed solution.

NFR-1	Usability	Clean, responsive UI using HTML/CSS and Bootstrap
NFR-2	Security	Protected routes, session management
NFR-3	Reliability	Handles multiple feedback inputs without crashing
NFR-4	Performance	AI response within 2–3 seconds on average
NFR-5	Availability	Available 24/7 with minimal maintenance downtime
NFR-6	Scalability	Easily extendable to add database support or new modules