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

Date	15 April 2025
Team ID	145206
Project Name	Sociopedia
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 Authentication	Registration via email/password.
		Registration/login via Google/Facebook OAuth.
		Password reset via email.
FR-2	User Profile Management	Upload profile picture and edit bio.
		Privacy settings (public/private account).
FR-3	Post Creation & Interaction	Create posts with text, images, or videos.
		Like, comment, and share posts.
FR-4	Social Features	Send/accept friend requests.
		Real-time notifications for interactions.
FR-5	Admin Dashboard	Ban users or delete inappropriate content.
		View analytics (active users, posts).

Non-functional Requirements:

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	Intuitive UI/UX with responsive design (mobile/web).
NFR-2	Security	Encrypted passwords (bcrypt), JWT for sessions, and OAuth 2.0 for third-party logins.
NFR-3	Reliability	99.9% uptime; backup/recovery for MongoDB.
NFR-4	Performance	API response time < 500ms; optimized React rendering.
NFR-5	Availability	Deployed on scalable cloud platforms (e.g., AWS, Heroku).
NFR-6	Scalability	Load-balanced servers and sharded MongoDB for high traffic.

NFR No.	Non-Functional Requirement	Description