**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

**Date:** 26-05-2025  
**Team ID:**

**Team Members: Yuvraj And Amrutansh**  
**Project Name:** SocialeX  
**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 | Sign up, Login, Password Reset |
|  |  | App Lock with PIN or Biometric |
| FR-2 | Chat & Media Sharing | Real-time messaging |
|  |  | Share images and videos |
| FR-3 | Stories | Upload and view stories |
| FR-4 | Mood-based Themes | Switch between dark mode and light mode |
| FR-5 | Voice and Video Calls | Make and receive secure voice and video calls |
| FR-6 | Settings Management | Change password, manage preferences |

**Non-Functional Requirements**

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

| **NFR No.** | **Non-Functional Requirement** | **Description** |
| --- | --- | --- |
| NFR-1 | Usability | Provide a clean, intuitive UI suitable for all users. |
| NFR-2 | Security | All data transfers must be encrypted. Implement token-based auth and app lock. |
| NFR-3 | Reliability | Ensure messaging, stories, and calls work reliably under all conditions. |
| NFR-4 | Performance | Pages and chats should load within 2 seconds. Media sharing and calls should be near-instant. |
| NFR-5 | Availability | Maintain 99.9% uptime across chat, stories, and calling services. |
| NFR-6 | Scalability | Support high concurrency and rapid scaling via microservice architecture. |