SRS DOCUMENT
AcadIn

1. **Category**-Web Application
2. **Purpose -**
   Keep the students of IIITG connected through a virtual platform and thus reduce the hesitation amongst juniors to get advice/suggestions from their seniors, share achievements, facilitating more interactions thus bringing the student community closer.
3. **Scope** - It will bring the student community of IIITG closer and allows like-minded students to collaborate like any other social media platform but one specifically designed for their needs.
4. **Introduction -**

   Existing System Current Model
   Currently a variety of social media apps for students such as LinkedIn facilitate the same.
   Users can create their profile, post achievements, like, comment and share posts, have 1-1 conversations with anyone, follow anyone and view their profiles.

   Limitations of Existing System
   The above platform is built keeping only limited forms of interactions in mind, like 1-1 conversations, and creating and viewing profiles. It's not user friendly for discussions for students. They also have unwanted advertisements which serve as a distraction.

   Proposed System

   The proposed system is specifically designed for the students of IIITG and can be later customized for different institutions. Its functionalities include

- **Sign Up / Sign In ->** Students can sign up for posting or seeing content on the application or If already signed up, they can sign in to their profile.
- **Posts ->** Users can create their own post or view/interact with others posts by liking or commenting on their post.
- **Chat** -> Any user can chat with their followers/connections.

Advantages for Students

Advantages for the students are explained below:

- Single application for students to collaborate, have fun and discuss.

- Provide students with a social media app to see what's happening in their community.

Functional Requirements

- Users must have a valid User ID and password to login thus creating their individual profiles.
- Users can update their profiles by adding which year they are in, their skills, profile picture, bio etc.
- Like and Comment on the posts.
- Follow/Connect with other students.
- Chat with friends

Non-Functional Requirements

- Secure access of confidential data (user's details)
- Better component design to get efficiency at peak time.
- Flexible service based architecture will be highly desirable for future extension.

Software Tools

- Database Server - MongoDB
- Client - Web Browser
- Development Tools - Visual Studio Code, GitHub
- Framework - React.js, Socket.io, Express.js
- Programming Languages - JavaScript
- Environment - Node.js
- Version Control - Git

Hardware Specification

- **Processor** – Intel Core i3
- **RAM** – 2GB
- **Hard Disk** – 200GB