

# Software Requirement Specification (SRS) for Student Alumni Mentorship Software

## Title

Student Alumni Mentorship Software

## Sponsor

- Organization: IIIT Delhi
- Contact Name: Alumni Affairs Office, Alumni Coordinator

## Introduction

The Student Alumni Mentorship Software is designed to facilitate meaningful mentorship connections between students and alumni of IIIT Delhi. This software aims to connect students with alumni mentors, enabling them to seek guidance, share experiences, and build professional networks.

## Purpose

The basic objective of the system is to enable students to connect with alumni for mentorship and guidance. It also provides a means for alumni to contribute to the development of current students. The software will cater to three main user categories: Students, Alumni, and Admin.

## User Categories

Students: Current IIIT Delhi students seeking mentorship from alumni.

Alumni: Graduates of IIIT Delhi willing to mentor current students.

Admin: System administrator from Alumni Affairs responsible for managing user profiles and system operation.

## Important Constraints

- Security: The system must adhere to stringent security protocols to protect user data and privacy.
- Scalability: The system should be designed to handle a growing number of users and data.
- Availability: The system should have high availability to ensure users can access it when needed.

## Functional Requirements

### For Students

- Register on the portal
- View their profile
- Filter alumni mentors based on their specific requirements
- View alumni profiles
- Initiate private chat conversations with alumni mentors
- Schedule virtual meetings with alumni based on available time slots provided by the alumni
- Cancel scheduled meetings
- View past conversations and scheduled meetings
- Report complaints about alumni mentors, including providing reasons for reporting

### For Alumni

- View their profile
- Add or update their job profiles
- Respond to student chat messages
- Provide available time slots for meetings
- Confirm or cancel scheduled meetings with students
- View past conversations and scheduled meetings
- Block students from further communication, with the option to select reasons for blocking
- Report students to the system admin, specifying reasons for reporting

## For Admin

- View their profile
- Add/modify alumni profiles based on provided details
- Add/modify student profiles
- Remove students and alumni from the system
- Engage in private chat conversations with students and alumni
- Receive notifications when alumni block students

## Functional Requirements Overview

### Students

Actor	Use Case	Description	Priority	Entry Condition	Exceptional Sequence of Events
Students	Register	Students can register on the portal.	Essential	N/A	N/A
Students	View Profile details	Students can view their Profile details	Essential	Logged in	N/A
Students	Filter Alumni	Students can filter alumni based on their requirements.	Essential	Logged in	No suitable match found.
Students	View Alumni Profiles	Students can view alumni profiles.	Essential	Logged in	N/A

Students	Chat with Alumni	Students can initiate private chats with alumni.	Essential	Logged in	Alumni has blocked the student
Students	Schedule Meeting	Students can schedule virtual meetings with alumni based on availability slots provided by alumni.	Desirable	Logged in	Meeting slot not available, Alumni has blocked the student
Students	Cancel Scheduled Meeting	Students can cancel scheduled meetings.	Desirable	Schedule Meeting	N/A
Students	View Conversations	Students can view past chat conversations and scheduled meetings.	Deferrable	Chat initiated	N/A
Students	Report Alumni	Students can report complaints about alumni to the system admin with suitable reasons.	Desirable	Chat initiated/ Scheduled meeting	N/A

## Alumni

Actor	Use Case	Description	Priority	Entry Condition	Exceptional Sequence of Events
Alumni	View Profile details	Alumni can view their profile details	Essential	Logged in	N/A

Alumni	Add Profile Details	Alumni can add new details to their profiles.	Essential	Logged in	N/A
Alumni	Reply to Student's Chat	Alumni can reply to student's chat messages.	Essential	Chat initiated	N/A
Alumni	Provide Available Slots	Alumni can provide available meeting slots.	Desirable	Logged in	N/A
Alumni	Confirm/Cancel Meeting	Alumni can confirm or cancel scheduled meetings with students.	Desirable	Meeting scheduled	N/A
Alumni	View Conversations	Alumni can view past chat conversations and scheduled meetings.	Deferrable	Chat initiated/ Scheduled Meeting	N/A
Alumni	Block Student	Alumni can block students from communicating with them with suitable reasons.	Desirable	Chat initiated/ Scheduled Meeting	N/A
Alumni	Report Student	Alumni can report students to the system admin with suitable reasons.	Desirable	Chat initiated/ Scheduled Meeting	N/A

## System Admin

Actor	Use Case	Description	Priority	Entry Condition	Exceptional Sequence of Events
System Admin	View their Profile details	Admin can view their profile details	Essential	Logged in	N/A
System Admin	Modify Alumni Profile	Admin can add/modify alumni profiles based on information received from alumni.	Essential	Logged in	N/A
System Admin	Modify Student Profile	Admin can modify student profiles.	Desirable	Logged in	N/A
System Admin	Remove Users	Admin can remove students and alumni from the system.	Essential	Student/Alumni reported	N/A
System Admin	Chat with Users	Admin can initiate chats with students and alumni.	Deferrable	Logged in	N/A
System Admin	Receive Block Notifications	Admin is notified when alumni block students.	Desirable	Alumni blocks a student	N/A

# Non-Functional Requirements

## User Interface

- The user interface should be user-friendly, intuitive, and accessible.
- The system should have a responsive design to ensure accessibility on various devices and screen sizes.
- User profiles should include necessary information, such as names, photos, and professional backgrounds, to facilitate meaningful mentorship connections.

## Performance Requirements

- The response time for loading user-profiles and scheduling meetings should be minimal.
- The system should provide near real-time chat functionality for smooth communication between students and alumni.
- The system should be capable of handling concurrent users without performance degradation.

## Design Constraints

- Security: The system should implement robust security measures, including encryption of sensitive data and user authentication to protect user data and ensure the privacy of communication.
- Data Backup: Regular backups of user data should be maintained to prevent data loss.
- Scalability: The system architecture should support scalability to accommodate future growth.

## Use Case Diagram

Google Drive Link:

[https://drive.google.com/drive/folders/1RbGeeskU8SKV9AC\\_ut9m4TzsokTzXoX4?usp=sharing](https://drive.google.com/drive/folders/1RbGeeskU8SKV9AC_ut9m4TzsokTzXoX4?usp=sharing)

