**Statement of Work (SOW)**

**Project Title:** Mobile application for Social Networking of MU Students  
**Date:** 6 February 2025

**1. Introduction**

This document outlines the scope, objectives, deliverables, and requirements for the development of a mobile application dedicated to social networking among registered students of Mahindra University. The application will serve as an exclusive platform, similar to WhatsApp, facilitating communication, collaboration, and engagement among students.

**2. Scope of Work**

* **Project Description:**

A dedicated social networking app for Mahindra University students to connect and collaborate. It features real-time chat, discussion forums, and event listings. The platform fosters communication based on academic, extracurricular, and social interests.

* **Objectives:**
  + **Mobile Application Development**: Native or hybrid application for Android and iOS.
  + **User Authentication System**: University-based login verification using email or student IDs.
  + **Messaging Features**: Real-time messaging, media sharing, and push notifications.
  + **Group Communication**: Creation of student groups, faculty groups, and event-specific discussions.
  + **Backend Infrastructure**: Cloud-based database and APIs to support real-time data exchange.
* **Key Activities:**
  + **Requirement Analysis & Planning**: Gather requirements, define goals, and create a project roadmap.
  + **UI/UX Design**: Design intuitive and engaging user interfaces.
  + **Backend Development**: Build and maintain the database, APIs, and authentication systems.
  + **Frontend Development**: Develop and integrate user-facing components.
  + **Integration**: Integrate Frontend and Backend.
  + **Testing**: Conduct unit, integration, and user testing to ensure functionality.

**3. Deliverables**

[All the dates are tentative]

* **Deliverable 1:** Project Plan Document - 13/02/2025
* **Deliverable 2:** UI/UX Design - 10/03/2025
* **Deliverable 3:** Backend Development - 01/04/2025
* **Deliverable 4:** API integration – 20/04/2025
* **Deliverable 5:** A/B Testing – 01/05/2025

**4. Timeline and Milestones**

| **Milestone** | **Description** | **Due Date** |
| --- | --- | --- |
| Project Kickoff | Initial project meeting | 06/02/2025 |
| Phase 1 Completion | Real time chat | 01/04/2025 |
| Phase 2 Completion | Groups, API integration | 20/04/2025 |
| Final Delivery | Submission of all deliverables | 01/05/2025 |

**5. Roles and Responsibilities**

Responsibilities are subjected to change, based on the requirement

* **Team Members:** 
  + **Anunay Korupolu (SE22UARI019) -** Frontend
  + **Chatur Varma inampudi (SE22UARI034) -** Backend
  + **Krushik Teja Thati (SE22UARI078) -** Backend
  + **Venkata Bhargav Madala (SE22UARI086) -** Frontend
* **Client Contact:** Software Engineering course, Mahindra University

**6. Assumptions and Constraints**

List any assumptions and constraints that may impact the project.

* **Assumptions:**
  + Application can handle 100 students on a free plan.
  + Might expand to other universities.
* **Constraints:**
  + Will only be using the free plan on Supabase (cloud database).
  + Unable to test on iOS devices.

**7. Approval Signatures**

**Client:**  
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Service Provider:**  
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_