ALUMNI MANAGEMENT SYSTEM

Project Title: Alumni Management System

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1. Introduction

1.1 Purpose

This SRS document defines the requirements for the Alumni Management System, which helps educational institutions maintain connections with their alumni, track their progress, and organize events.

1.2 Scope

The system allows alumni to register, update their profiles, view event details, and connect with other members. Admins can manage alumni data, post news/events, and generate reports.

1.3 Definitions, Acronyms, and Abbreviations

AMS – Alumni Management System
DB – Database
UI – User Interface

1.4 References

IEEE SRS Standard 830-1998
Institutional Alumni Policies

1.5 Overview

This document outlines the functional and non-functional requirements, interface requirements, system features, and design constraints for the AMS.

2. Overall Description

2.1 Product Perspective

The AMS is a web-based system designed to integrate with the institution's existing website.

2.2 Product Functions

• Alumni Registration and Login
• Profile Management
• Event Listings
• Messaging and Networking
• Admin Dashboard

2.3 User Classes and Characteristics

• Alumni – basic IT knowledge
• Admin – experienced with web systems

2.4 Operating Environment

Web application running on Windows/Linux, compatible with modern browsers, and backed by MySQL database.

2.5 Design and Implementation Constraints

Developed using HTML, CSS, JavaScript, Python/Flask, MySQL.

2.6 Assumptions and Dependencies

Users have internet access and a valid email ID.

3. Specific Requirements

3.1 Functional Requirements

FR1: The system shall allow alumni to register using a unique email.
FR2: The system shall allow alumni to log in and update their profile.
FR3: The admin shall post events and news.
FR4: The system shall allow messaging between alumni.

3.2 Non-Functional Requirements

• Performance: System should respond within 2 seconds.
• Security: Passwords should be encrypted.
• Availability: 24/7 access.

3.3 External Interface Requirements

• UI: Responsive web interface.
• Database: MySQL.
• Browser Interface: Chrome, Firefox, Safari.

4. Use Case Model and Diagrams

Use cases include: Alumni Registration, Login, Profile Update, View Events, Send Message.

5. System Features

- Registration Module
- Profile Management Module
- Event Management Module
- Admin Panel
- Communication Module

6. Other Requirements

- GDPR compliance for data protection.
- Scalable architecture for large user base.