Software Requirements Specification (SRS) for

Course Elective Selection System

Team Members

Name | Roll Number

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Dinesh | SE22UCSE267

Teja Reddy | SE22UCSE189

Aryan | SE23ULCSE002

Rishi | SE22UCSE007

Chandu | SE22UCSE070

Mohith | SE22UCSE174

1. Introduction

1.1 Document Purpose

This document defines the software requirements for the Course Elective Selection System.

1.2 Product Scope

The Course Elective Selection System is a web-based application designed to assist students in selecting

1.3 Intended Audience and Document Overview

This document is intended for developers, project managers, faculty, and university administration.

2. Overall Description

2.1 Product Overview

The system helps students browse available electives, check prerequisites, and view seat availability.

2.2 Product Functionality

- Course Catalog
- Prerequisite Checker
- Seat Availability Tracker

- Recommendation System
- Admin Dashboard

3. Specific Requirements

3.1 Functional Requirements
- Users can log in securely.
- Students can browse and filter electives.
- The system verifies prerequisites before enrollment.
- Seat availability is updated in real time.
- Faculty can approve or reject student enrollments.

4. Other Non-functional Requirements

4.1 Performance Requirements
- Support 1,000+ concurrent users.
- Course search should return results within 2 seconds.

4.2 Security Requirements
- All user data must be encrypted.
- Role-based access control (RBAC) must be implemented.

Appendix A ? Data Dictionary
Attribute Name | Data Type | Description
UserID | Integer | Unique identifier for each user
CourseID | Integer | Unique identifier for each course

Appendix B - Group Log
Date | Meeting Agenda/Activity | Participants | Key Outcomes
01/03/2025 | Project Kickoff & Scope Definition | Team Members | Established project scope
02/03/2025 | Requirement Discussion | All team members | Finalized core functionalities
03/03/2025 | UI/UX Review | All team members | Reviewed user interfaces and workflows
04/03/2025 | Final Review & Compilation | All team members | Completed SRS document