

## Requirements Specification Document

### **Student Course Enrollment System**

Version 1.0

## 1. INTRODUCTION

### **1.1 Purpose**

The purpose of this document is to define detailed functional, non-functional, and user story requirements for the Student Course Enrollment System.

### **1.2 System Overview**

The system enables students to register, view courses, enroll, drop courses, and manage schedules. Admins manage courses and view enrollments.

### **1.3 Scope**

The system supports authentication, course browsing, enrollment, and admin course management.

### **1.4 Intended Users**

Students and Administrators.

## 2. OVERALL DESCRIPTION

### **2.1 Product Perspective**

Django-based system using SQLite.

### **2.2 Product Functions**

User registration, course browsing, enrollment, course management.

### **2.3 User Classes**

Students and Administrators.

## **2.4 Assumptions**

Users have internet and a browser.

## **3. FUNCTIONAL REQUIREMENTS**

FR1: Student registration.

FR2: Login.

FR3: Logout.

FR4: View all courses.

FR5: Search courses.

FR6: Filter courses.

FR7: View course details.

FR8: Enroll.

FR9: Prevent duplicate enrollment.

FR10: Validate capacity.

FR11: Drop course.

FR12: View my courses.

FR13: Feedback messages.

FR14: Admin login.

FR15: Create courses.

FR16: Update courses.

FR17: Delete courses.

FR18: View enrollments.

FR19: Admin search.

FR20: Enrollment search.

#### 4. NON-FUNCTIONAL REQUIREMENTS

NFR1: Security.

NFR2: Performance.

NFR3: Usability.

NFR4: Compatibility.

NFR5: Reliability.

NFR6: Maintainability.

NFR7: Scalability.

#### 5. USER STORIES (25)

1–13: Student stories.

14–20: Admin stories.

21–25: System stories.

#### 6. SYSTEM MODELS

Use Case Diagram and Sequence Diagrams attached externally.

#### 7. APPENDICES

Sprint backlogs, burndown charts, meeting minutes, GitHub link.