

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.