

Project Description

1 Mission Statement

To develop a comprehensive and efficient Course Registration System that streamlines the academic enrollment process, enabling students to seamlessly browse, select, and register for courses while providing administrators and faculty with powerful tools to manage course offerings and track enrollment.

2 Mission Objectives

1. Course Management

- Maintain a comprehensive catalog of all available courses with detailed information
- Enable creation, update, and management of course offerings for different semesters
- Track course capacity and available seats in real-time

2. Student Registration

- Facilitate online course registration with automatic prerequisite validation
- Enable students to add, drop, or swap courses within designated timeframes
- Provide real-time schedule conflict detection and credit hour limit alerts

3. Enrollment Tracking

- Monitor enrollment statistics for each course section
- Manage waitlists and automatic enrollment when seats become available
- Maintain complete registration history and audit trails

4. Schedule Management

- Prevent time conflicts in student course selections
- Optimize classroom and resource allocation
- Support multiple academic terms (Fall, Spring, Summer sessions)

5. Administrative Control

- Manage registration periods, add/drop deadlines, and policies
- Control access permissions for different user roles
- Generate reports on course demand and enrollment trends