Summary

**Project Title**: Course Registration Application

**Objective**: To develop an application that allows students to register for courses while ensuring they meet prerequisite requirements and preventing duplicate registrations.

**Overview**: The Course Registration Application will facilitate a streamlined process for students to enroll in courses at an educational institution. The application will validate student eligibility by checking prerequisite courses and ensuring that students are not already registered for the selected courses.

Project Background

Many schools are using technology to make things easier for students, but old course registration methods can still be confusing and slow. This can lead to problems like students signing up for classes they can’t take or accidentally enrolling in the same class twice.

Current Challenges:

1. Slow Process: Manual registrations can take too long and create confusion.
2. Checking Prerequisites: It’s hard to ensure students have taken required courses without an automated system.
3. Duplicate Sign-Ups: Students might register for the same class more than once.
4. User Experience: Older systems often aren’t easy to use.

Need for a Solution: The Course Registration Application will solve these issues by:

* Allowing students to register online quickly.
* Checking if students meet prerequisites.
* Preventing duplicate registrations.
* Providing a simple and friendly interface.

This project aims to make course registration easier for students, help schools run more smoothly, and improve the overall learning experience.

Solutions and Approach

 Automated Registration System:

* Develop a user-friendly online platform where students can register for courses quickly and easily.

 Prerequisite Checking:

* Implement a feature that automatically verifies whether a student has completed the required prerequisite courses before allowing registration.

 Duplicate Registration Prevention:

* Include logic that checks for existing enrollments in the same course to prevent duplicate registrations.

 Course Catalog Management:

* Create a comprehensive catalog that displays available courses, descriptions, schedules, and prerequisites in an accessible format.

 User Accounts:

* Allow students to create and manage their accounts, where they can view their registration history and current enrollments.

 Notifications and Reminders:

* Send automated notifications for important deadlines (e.g., registration dates) and reminders about prerequisites.

 Admin Dashboard:

* Develop a dashboard for administrators to manage courses, monitor enrollments, and update prerequisites as needed.

 Search and Filter Options:

* Provide search functionality and filtering options to help students find courses based on various criteria (e.g., subject, time, instructor).

 Responsive Design:

* Ensure the application is mobile-friendly, allowing students to register from their smartphones or tablets.

 Data Storage and Security:

* Implement secure data storage solutions to protect student information and ensure compliance with privacy regulations.

Ownership

Students

Advisors

Additional Documents

Team Members

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