

Punjab University College of Information Technology (PUCIT)

Project Title:

Course Registration System

Course Title:

Software Engineering

Course Instructor:

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Team Members:

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Project Proposal

Problem Statement

In universities and colleges, managing course registration manually can be difficult and time-consuming. Students and administrators often face problems such as maintaining student records, viewing available courses, and organizing registration information. Therefore, there is a need for a centralized software system that can manage course registration activities while ensuring accuracy and consistency.

Solution Description

The proposed Course Registration Management System is a Java-based front-end application developed using Java Swing. The system focuses on designing graphical user interfaces that simulate the working of a course registration system. It provides multiple screens that allow users to view and enter student details, course details, and registration information. The proposed system aims to reduce manual workload, prevent registration errors, and improve overall academic management by providing a reliable and user-friendly solution.

Brief Description of Basic Modules of Our Solution

Main Menu Module

- Main navigation interface of the system.
- Access of Student Management, Course Management, and Course Registration modules.
- Navigation between different system screens.

Student Management Module

- Student information such as Student ID and Student Name.
- Add student details through a graphical interface.
- Student information in a table format for better visualization.
- Includes clear and back .

Course Management Module

- Manages course information including Course Code, Course Title, Credit Hours, and Seat Limit.
- Adding course details.
- Displays available courses.
- Options to clear entered data and return to the main menu.

Course Registration Module

- Selection of students and courses.
- Simulates the course registration process through a user-friendly interface.
- Confirmation message after a course is registered.
- Focuses on visual representation rather than back end processing.

View Registration Module

- Displays registered course information.
- Shows student names along with course codes and course titles.
- A visual overview of course registration data.

Conclusion

The Course Registration System will provide an effective solution for managing academic registration processes by automating course enrollment and maintaining structured records.