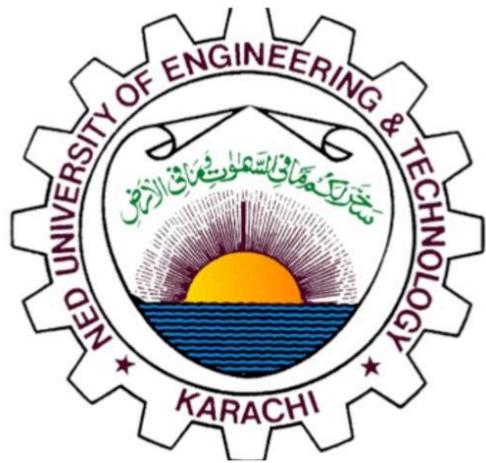


# CCP



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# Project Proposal

## Title: Student Course Registration System

### project discription

The Student Course Registration System is a software solution aimed at automating and simplifying the process of course enrollment for students. The system ensures that students can easily select, drop, and review courses while maintaining accurate credit information.

### 2. Goals

Automate course registration to reduce manual errors.

Provide students with an easy interface to select and manage courses.

Keep track of total credit hours per student.

Enable administrators to monitor course registrations efficiently.

### 3. Challenges

Manual course registration is inefficient and prone to errors. Students may experience scheduling conflicts or incomplete registration records. The system addresses these challenges by providing a structured and reliable process.

### 4. Scope

The system will:

Display available courses and credit hours.  
Allow students to register and remove courses.  
Calculate and display total registered credits.  
Operates as a console-based program initially.  
Provide a foundation for future web-based enhancements.

## 5. System Architecture

The system uses a modular design:

Input Module: Receives student choices.  
Processing Module: Updates registration and credit counts.  
Output Module: Displays current registration status.

Technology Stack:

Language: C  
Platform: Console-based (Windows/Linux)  
Compiler: GCC

## 6. Expected Outcomes

Accurate course registration for students.  
Correct calculation of total credits.  
Quick and user-friendly interface.  
Reduction in administrative workload.

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## **7. Assumptions**

Predefined credit hours for each course.

Maximum credit limits enforced.

Temporary data storage in the console-based version.

## **8. Future Enhancements**

Database integration for permanent record storage.

Web and mobile interface for students.

Administrative dashboard for course management.

Notifications via email or SMS.

## **9. Conclusion**

The Student Course Registration System streamlines course management, reduces errors, and provides a user-friendly interface. It demonstrates core programming concepts while laying the groundwork for a scalable academic system.