

# MODULE-3 PROJECT

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# PROJECT OVERVIEW

I recently worked on an Online Course Registration System, aimed at simplifying the course enrollment process for students, faculty, and administrators at an educational institution. The project's primary objective was to create an efficient, user-friendly platform that could handle various aspects of course registration and management.





# TECHNOLOGIES USED

## BACKEND

**PHP:** Server-side scripting to handle backend logic.

## DATA MANAGEMENT

**MySQL:** Database management for storing and retrieving data.

## FRONTEND

- **HTML, CSS, JavaScript:** Frontend technologies for building the user interface.
- **Bootstrap:** Frontend framework to ensure responsive design.

# PROJECT SCOPE AND OBJECTIVES

## 1. User Authentication

Secure login and registration functionalities for students, faculty, and administrators.

## 2. Dashboard

1. Student Dashboard
2. Admin Dashboard
3. Instructor Dashboard

## 3. Course Management

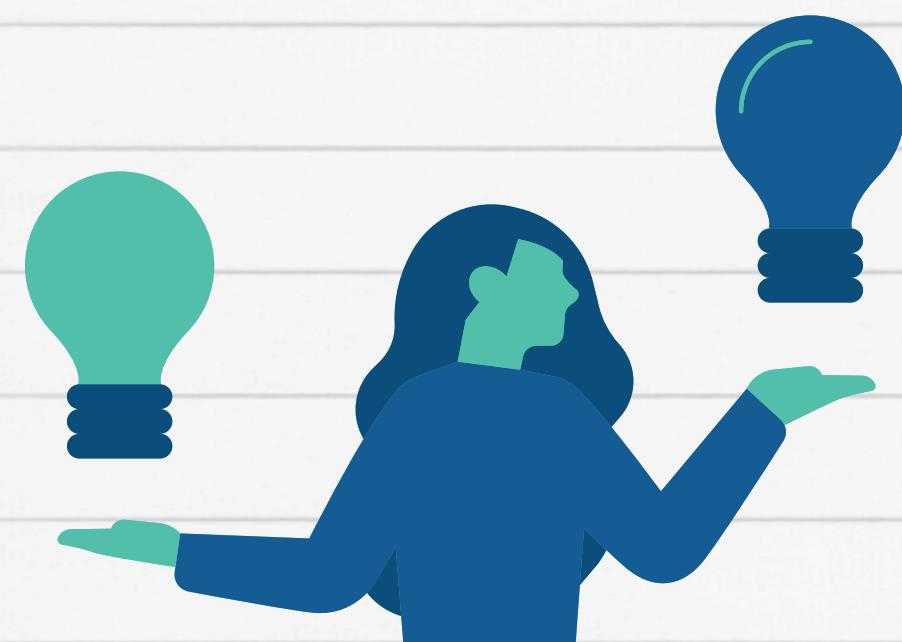
- Implement CRUD operations for courses.
- Set and enforce course prerequisites to ensure proper student enrollment.

## 4. Data Validation

To ensure data integrity, we implemented thorough validation checks during user input.

## 5. Responsive Design

Develop a user-friendly interface compatible with both desktop and mobile devices.



## Payment Integration with PayPal

### Challenges:

Integrating PayPal for Secure and Reliable Payment Processing within the Online Course Registration System

### Solution:

- API Integration
- Error Handling
- Testing

### Problem-Solving Approach

- Understand Payment Needs
- Error Handling
- Research and Planning

# CHALLENGES AND SOLUTIONS

### Challenges:

Automatically generating certificates upon course completion while maintaining accuracy and customization.

### Solution:

- Automation
- Integration
- Email System
- Testing

### Problem-Solving Approach

- Understand Certificate Requirements
- Certificate Template Design
- Choose PDF Generation Library

## Certificate Generation upon Course Completion

**THANK  
YOU VERY  
MUCH!**