

**Mini Project-I (K24MCA18P)**  
**Odd Semester**  
**Session 2024-25**

**Online Education**

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# Content

- **Introduction (1 slide)**
- **Literature Review (2 slides)**
- **Objective of the Project (1 slide)**
- **Technology**
  - **Hardware Requirements**
  - **Software Requirements (Language and Platforms)**
- **Modules (2 slides)**
- **Workflow (1 slide)**
- **Reports (1 slide)**
- **References (1 slide)**

# Introduction

- The introduction should provide background information, the purpose of the study, and the objectives.
- With the rapid advancement of technology and the global shift towards remote learning, online education has become a significant part of the educational landscape. This project investigates how online education platforms are developed, their impact on learning experiences, and the factors contributing to their success or failure. The purpose is to analyze the effectiveness of an online learning system and its ability to deliver quality education remotely. The objectives include examining student engagement, interaction models, and technological requirements.

# Literature Review

- Online Education management applications have evolved significantly with the rise of productivity tools.
- **Flexibility:** Learn anytime, anywhere.
- **Cost-Effective:** Lower cost compared to traditional education.
- **Diverse Course Options:** Access to a wide range of subjects.
- **Accessibility:** Removes geographical barriers.

# Objective of the Project

- **To develop an accessible and user-friendly online learning platform** that provides educational resources to students regardless of geographical location or time constraints.
- **To assess the effectiveness of online education** by analyzing student engagement, retention, and academic performance in comparison to traditional in-classroom education.
- **To identify and address challenges** such as technical barriers, the digital divide, and reduced face-to-face interaction in online learning environments.

# Technology (Hardware Requirements)

- **No specific hardware requirements.**
- The application is designed to run on any standard device capable of running modern web browsers.

# Technology (Software Requirements)

- **Frontend:** HTML, CSS, JavaScript
- **Backend:** MySQL for data storage
- The application is built with web technologies, allowing it to run seamlessly on multiple platforms.
- **Platform used :** VS Code.

# Modules

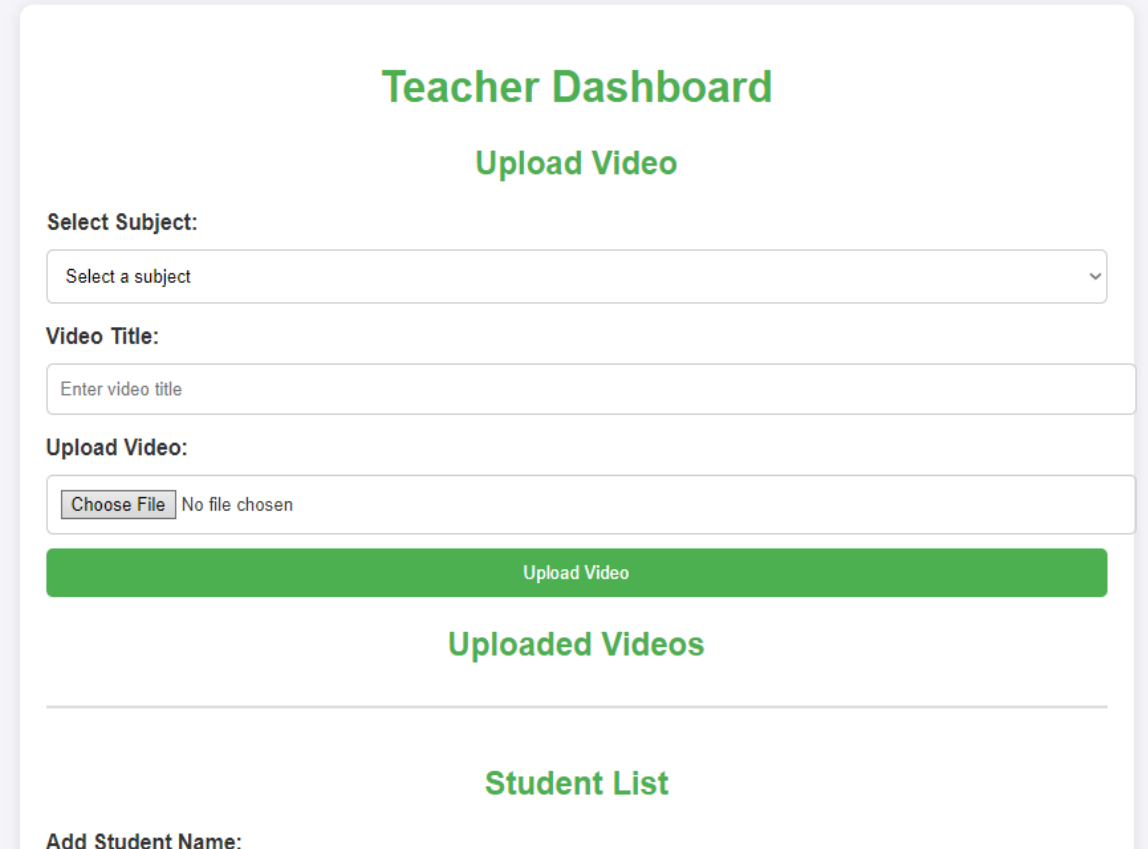
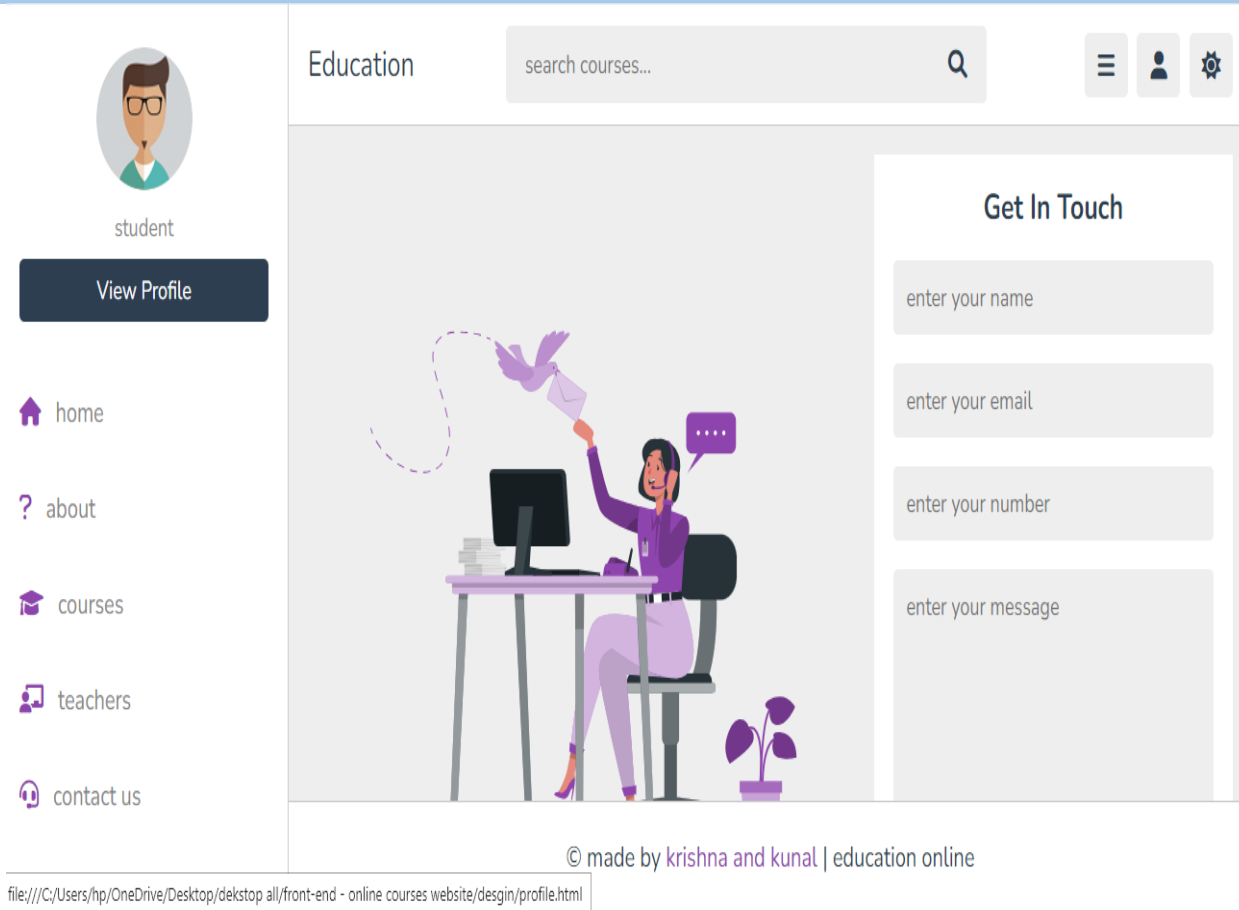
- **User registration** (students, teachers, admin)
- **Authentication and authorization** (login, password reset)
- **Role-based access control** (admin, teacher, student)
- **Profile management** (update personal details, course history)



# Workflow

1. **Registration:** User register to login in the system.
2. **User Login:** Users log in to access the system.
3. **Dashboard** : Users view all courses (pending, completed, or overdue) on the main dashboard.
4. **Courses:** User view all the courses uploaded by the teacher.
5. **Teachers:** View the profile of every teacher and also courses which are uploaded by specific teacher.
6. **Contact us:** Anyone who has a query they can contact us.
7. **Logout:** Users log out after taking course.

# Reports



# References

- **Moore, M. G., & Kearsley, G. (2011).** *Distance Education: A Systems View of Online Learning*. Belmont, CA: Wadsworth.
  - This book provides an in-depth view of distance education with a focus on the systems involved in online learning. It discusses theories, models, and best practices for online education.
- **Garrison, D. R., & Anderson, T. (2003).** *E-Learning in the 21st Century: A Framework for Research and Practice*. Routledge.
  - A comprehensive guide to the e-learning framework. This book explores the pedagogical and technological aspects of online education, along with its impact on higher education.
- **Means, B., Toyama, Y., Murphy, R., Bakia, M., & Jones, K. (2009).** *Evaluation of Evidence-Based Practices in Online Learning: A Meta-Analysis and Review of Online Learning Studies*. U.S. Department of Education.
  - A meta-analysis report that provides data on the effectiveness of online learning compared to face-to-face learning. It discusses the benefits, challenges, and opportunities that online education presents.
- **Anderson, T. (Ed.). (2008).** *The Theory and Practice of Online Learning*. Athabasca University Press.

# Web Interface

register

Login Portal



Student Login



Teacher Login



student

[View Profile](#)

[home](#)

[about](#)

[courses](#)

[teachers](#)

[contact us](#)

Education

search courses...



## Quick Options

### Likes And Comments

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[View Likes](#)

total comments : 0

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saved playlists : 0

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