

CLOUD CAMPUS - A distance learning website

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**Department of Computer Application
Institute of Technical Education and Research
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PROJECT REPORT
ON
CLOUD CAMPUS – A distance learning website

SUBMITTED IN PARTIAL FULFILLMENT FOR AWARD OF DEGREE

IN

MASTER IN COMPUTER APPLICATION

(BATCH 2022-2024)

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UNDER THE ESTEEMED GUIDANCE OF

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Bhubaneswar, Odisha, India

2024

DECLARATION

I hereby declare that the Project entitled “**Cloud Campus**” submitted to the **Department of Computer Application, Institute of Technical Education& Research, Siksha ‘O’ Anusandhan Deemed to be University, Bhubaneswar, Odisha** in partial fulfillment for the award of the degree of **Master in Computer Application** in the year 2024 is an authentic record of our work carried out under the guidance of **Dr. Sarbeswara Hota** and that the project has not been previously formed the basis for the award of any other degree. The report has been prepared in compliance to the guidelines specified by the University.

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SYNOPSIS

The introduction of technology into the classroom has revolutionized teaching and learning process. The 21st century learning environment creates exciting learning for students to collaborate and learn at their own pace making them active participants in learning process. Online resources technology-based applications allow educators to serve students quickly, efficiently in a proper manner. Distance learning management system or e-learning management system which we named it as "Cloud Campus" is all about empower teaching & learning from anywhere on any device and give your class more flexibility & mobility. With features such as video conferencing, real-time chat, interactive whiteboard, learning becomes more immersive, interactive, fostering deeper understanding and retention of concepts. It prepares & schedule tasks, assignments across multiple classes and track how students are engaging with classroom tools. Some important factors like making announcements, assigning assignment, store classroom materials, allow students to interact and to record documents. It will provide all necessities easily and will aim to go beyond the blackboard & textbooks approach to improve the learning experience and help in connecting technology with education.

The Cloud Campus represents a paradigm shift in online learning, leveraging HTML, CSS, JavaScript, PHP, MySQL and Python to create a dynamic, personalized, and inclusive online learning environment. By harnessing the synergy of these web technologies, the platform empowers learners to embark on transformative educational journeys, transcending boundaries and unlocking their full potential in the digital age.

Keywords: E-learning classroom, flexibility, video conferencing, virtual classrooms

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CHAPTER 1: INTRODUCTION

1.1. Preface

The world of education has undergone a significant transformation in recent years, with the rise of distance learning and online platforms becoming increasingly prevalent. In this era of digital transformation, the need for accessible and flexible learning solutions has become more crucial than ever before. It is against this backdrop that the "Cloud Campus" project was conceived - a comprehensive distance learning website that aims to revolutionize the way individuals access and engage with educational content.

The primary objective of the Cloud Campus project is to provide a seamless and engaging learning experience for students, regardless of their geographical location or personal circumstances. By leveraging the power of cloud-based technologies, the platform offers a wide range of courses, interactive learning materials, and collaborative tools that empower learners to achieve their educational goals.

This project report serves as a comprehensive documentation of the Cloud Campus distance learning website, detailing the various aspects of its development, implementation, and future enhancements. It is intended to provide a thorough understanding of the project's scope, technical architecture, key features, and the underlying principles that guided its creation.

The report begins by introducing the project and highlighting the importance of distance learning in the modern educational landscape. It then delves into the project's scope, outlining the target audience, the features and functionalities to be included, and the technology stack employed in the development process.

The system architecture section presents a high-level design of the website, showcasing the various components and their interactions. This is followed by an in-depth exploration of the key features, including user registration and authentication, course management, enrollment and payment, learning management, instructor management, and reporting and analytics.

The implementation and testing section outlines the agile development methodology adopted, the testing strategies employed, and the deployment and hosting considerations. Finally, the report concludes with a discussion of future enhancements and the overall benefits of the Cloud Campus distance learning website.

This project report serves as a comprehensive reference for stakeholders, developers, and anyone interested in understanding the intricacies of building a robust and innovative distance learning platform. It is our hope that the insights and learnings shared within these pages will inspire and guide others in their own endeavors to revolutionize the education landscape.

1.2. Problem Definition and Objective(s)

The problem definition of implementing a cloud-based e-learning platform like Cloud Campus for distance education involves addressing various challenges and considerations highlighted in the provided sources:

1. **Security Concerns:** Implementing cloud-based systems for distance education raises security issues related to data transmission, storage, and access. Ensuring data safety and privacy in the cloud environment is crucial to protect sensitive information.

2. **Performance Optimization:** Enhancing the performance of cloud-based distance education systems involves reducing data size, employing content replacement mechanisms, and implementing cryptography techniques to increase security and efficiency.

3. **Challenges in Implementation:** There are challenges in implementing cloud infrastructure in the education sector, including faculty, employee, and student adoption, as well as risks related to data protection and security. Addressing these challenges requires careful planning and consideration of security risks and danger classifications.

4. **Lack of Prior Research:** Prior research on how distance learning can adopt and implement cloud computing is limited. More research is needed to understand the benefits and challenges of integrating cloud computing into distance learning effectively.

5. **Strategic Planning:** Distance learning administrators should consider cloud computing as an alternative solution to provide better IT services and meet the increasing demand for online education. Including cloud computing in strategic planning can transform the utilization of IT resources and improve service delivery in distance learning environments.

In summary, the problem definition of Cloud Campus as a distance learning website involves addressing security issues, optimizing performance, overcoming implementation challenges, conducting further research, and strategically planning the integration of cloud computing to enhance the distance learning experience.

Cloud Campus which is a distance learning management system or we can say that it is quite similar to e-learning management system, our main objective is to create such web application based on enabling students to educational materials, lectures and resources from anywhere with an internet connection breaking down geographical barriers.

There are six modules for this web application: -

1) Login of a user

Upon accessing the website, users are presented with a login page where they can enter their credentials; typically a username/email and password. The module verifies the user's identity by comparing the entered credentials with the stored information in the database.

2) Student module

The student's module in our website focuses on managing student-related functionalities and providing a seamless learning experience.

The components of the student module are:

- Student Profile
- Course enrollment
- Content Access and Management
- Assessment and Evaluation
- Feedback and Surveys
- Support and Assistance
- Progress Reports and Analytics

3) Faculty module

The faculty module in our website focuses on managing faculty-related functionalities, providing tools and resources to support instructors in delivering effective online education.

The components of the faculty module are:

- Faculty Profile
- Administrative Tools
- Student Engagement and Support
- Course Creation and Management
- Content Delivery and Management
- Assessment and Grading
- Support and Training
- Feedback and Evaluation
- Analytics and Reporting

4) Admin module

The admin module in our website is designed to provide administrative users with the necessary tools and functionalities to manage the entire platform effectively.

The components of admin module are:

- Dashboard and Overview
- User Management
- Course Management
- Content Management
- Enrollment and Access Control
- Communication and Announcements
- Customization and Configuration
- Technical Maintenance and Support

5) Resource management module

The resource module in our website is dedicated to managing and providing supplementary materials, reference resources, and external links to enrich the learning experience.

The components of resource management module are :

- Resource Library Organization
- Content Types
- Upload and Management
- Resource Preview and Access
- Resource Ratings and Reviews
- Resource Recommendations
- Resource Permissions and Access Control

6) E-classroom module

The classroom module in our website simulates a virtual learning environment where students and instructors can interact, collaborate, and engage in educational activities.

The components of the E-classroom module are:

- Virtual Classroom Setup
- Course Schedule and Sessions
- Live Video Streaming and Conferencing
- Interactive Whiteboard and Presentation Tools
- Real-Time Interaction and Q&A
- Recording and Playback
- Attendance Tracking and Participation Monitoring

1.3. Motivations(s)

The motivation behind the project of Cloud Campus - a distance learning website, as outlined in the provided sources, stems from the desire to revolutionize online education by leveraging cloud-based technologies. Here are the key motivations extracted from the sources:

1. **Enhancing Student Engagement and Flexibility:** Cloud-based learning offers students the flexibility to access educational resources, collaborate with peers, and learn at their own pace from anywhere with an internet connection. This flexibility boosts student engagement, motivation, and critical thinking skills, essential for modern education.
2. **Improving Learning Experience:** Cloud-based learning platforms enable teachers to track student progress more efficiently, identify areas where students are struggling, and provide targeted support to enhance the learning experience. This personalized approach ensures that students receive the necessary support to succeed in their educational journey.
3. **Access to Educational Resources:** Cloud-based learning provides students with access to a wide range of educational resources, including e-books, journals, and articles, enhancing the depth of information available for their courses. This access to diverse resources enriches the learning experience and promotes a deeper understanding of the subject matter.
4. **Collaborative Learning Opportunities:** Cloud-based learning facilitates collaboration among students through tools like Google Docs, Trello, and Slack, allowing them to work together on assignments, share ideas, and provide feedback. This collaborative learning approach enhances critical thinking, communication skills, and peer-to-peer interaction, essential for 21st-century education.
5. **Cost-Effectiveness and Efficiency:** Cloud computing offers benefits such as reduced implementation and maintenance costs, increased mobility for a global workforce, flexible and scalable infrastructure, quick time to market, and IT department transformation. These advantages make cloud computing an attractive solution for educational institutions looking to optimize their IT resources and services.

In conclusion, the motivation behind the Cloud Campus project lies in leveraging cloud-based technologies to enhance student engagement, improve the learning

experience, provide access to educational resources, promote collaborative learning, and achieve cost-effectiveness and efficiency in distance education.

1.4. Project Overview/Specifications

Here is a concise overview of the Cloud Campus project:

Cloud Campus is a comprehensive distance learning platform that aims to revolutionize online education by leveraging cloud-based technologies. The primary objective is to provide a seamless and engaging learning experience for students, regardless of their geographical location or personal circumstances.

Key features of the Cloud Campus project include:

- Secure user registration and authentication for students, instructors, and administrators
- Course management tools for creating, categorizing, and updating course content
- Enrollment and payment integration with discounts and promotions
- Learning management system for accessing course materials, tracking progress, and facilitating discussions
- Instructor management portal for on-boarding, content creation, and student engagement tracking
- Reporting and analytics for user engagement, course performance, and platform usage insights

The project utilizes a micro services-based architecture with technologies such as React.js, Node.js, MongoDB, and AWS cloud platform. It aims to address challenges in implementing cloud infrastructure in education, including security concerns, performance optimization, and strategic planning.

By integrating cloud computing, Cloud Campus seeks to enhance student engagement, improve learning experiences, provide access to educational resources, promote collaborative learning, and achieve cost-effectiveness and efficiency in distance education.

1.5. Hardware Specification

The hardware requirements for the Cloud Campus project, based on the provided sources, include:

- **CPU:** The system should have a minimum of 16 cores for optimal performance.
- **RAM:** A minimum of 32 GB of RAM is recommended for smooth operation.
- **Disk Space:** The system should have at least 1 TB of disk space for storage purposes.
- **Disk Throughput:** A disk throughput of 20 MB/s is required for efficient data processing.
- **Network Adapter:** A wireless network adapter supporting IEEE 802.11g/n/ac is necessary for connectivity.
- **Webcam:** Webcam functionality is essential for video conferencing and online interactions.
- **Audio Capability:** The system should have speakers and a quality headset/microphone for audio communication.
- **Graphics Card:** A high-performance discrete graphics card with a minimum of 2GB of memory is recommended for graphics-intensive tasks.
- **Storage:** A Solid-State Drive (SSD) with a capacity of 512 GB or greater is required for fast data access and storage.
- **Screen Size:** A screen size of 15" or greater with a recommended resolution of 1920x1080 is suggested for better visibility and user experience.
- **USB Ports:** The system should have a minimum of 1 full-size USB port (USB 3.0A) and 1 or more USB-C ports for connectivity.
- **Ethernet Adapter:** An Ethernet adapter supporting 10/100/1000 Ethernet RJ45 connection or a USB to Ethernet adapter is optional but recommended for wired connectivity.
- **Virus Protection:** Virus protection software is required to ensure the security of the system and data.
- **Optional:** An external mouse device and a multi-year warranty are recommended for enhanced usability and protection

These hardware requirements are essential for ensuring the smooth operation and performance of the Cloud Campus distance learning website.

1.6. Software Specification

Here is a concise software specification for the Cloud Campus project based on the provided sources:

1. User Registration and Authentication
 - Secure registration process for students, instructors, and administrators
 - Login and logout functionality with multi-factor authentication
 - Password reset and recovery options
2. Course Management
 - Ability for instructors to create, manage, and update courses
 - Categorization of courses based on subject, difficulty level, and target audience
 - Integration of various content formats (e.g., videos, PDFs, presentations)
3. Enrollment and Payment
 - Seamless enrollment process for students
 - Integration of secure payment gateways for course fees
 - Handling of discounts, promotions, and refunds
4. Learning Management
 - Intuitive user interface for accessing course materials and resources
 - Progress tracking and course completion certificates
 - Discussion forums and Q&A sections for student-instructor and student-student interaction
5. Instructor Management
 - On-boarding and management of instructors
 - Instructor dashboard for course creation, content management, and student engagement tracking
 - Instructor analytics and performance reports
6. Reporting and Analytics
 - Comprehensive reporting on user engagement, course performance, and platform usage
 - Predictive analytics for identifying trends and patterns in student behavior and preferences
 - Actionable insights for improving course content and platform features
7. Cloud Infrastructure
 - Deployment of the platform on a cloud computing environment (e.g., Microsoft Azure, Amazon Web Services)
 - Scalable and elastic infrastructure to handle fluctuating demand
 - Automated provisioning and management of computing resources

8. Security and Privacy

- Implementation of industry-standard security practices for data protection
- Secure data transmission and storage using encryption techniques
- Role-based access control and user permissions

9. Usability and Accessibility

- Responsive and mobile-friendly user interface
- Adherence to web accessibility guidelines for inclusivity
- Intuitive navigation and user-friendly design

10. Integration and Extensibility

- Integration with third-party tools and services (e.g., video conferencing, collaboration platforms)
- Modular and extensible architecture for easy integration of new features and functionalities

By implementing these software specifications, the Cloud Campus project aims to provide a comprehensive and robust distance learning platform that leverages cloud computing to deliver an engaging and effective learning experience for students worldwide.

CHAPTER 2: LITERATURE SURVEY

2.1. Preface

The rapid advancements in cloud computing technologies have opened up new possibilities for transforming the education sector. Distance learning, in particular, has seen a significant boost with the advent of cloud-based platforms that enable students to access educational resources and collaborate with peers from anywhere in the world.

The Cloud Campus project aims to leverage the power of cloud computing to revolutionize the way distance learning is delivered. By providing a comprehensive and user-friendly platform, Cloud Campus seeks to make education more accessible, engaging, and effective for students across the globe. This literature survey serves as a foundation for the Cloud Campus project, exploring the current trends, challenges, and best practices in cloud-based distance learning. It examines the various aspects of cloud computing, including service models, deployment models, and security considerations. The survey also delves into the specific requirements and considerations for implementing a cloud-based e-learning platform. The primary objective of this literature survey is to provide a thorough understanding of the existing research and developments in the field of cloud computing for distance education.

By analyzing the current state of the art, the survey aims to identify gaps, challenges, and opportunities that can inform the design and development of the Cloud Campus platform. The findings of this literature survey will serve as a valuable resource for the project team, stakeholders, and the broader academic community interested in leveraging cloud computing for distance learning. It is our hope that this survey will contribute to the ongoing efforts to enhance the quality and accessibility of education through innovative technological solutions.

2.2. Existing System

The existing systems related to cloud-based educational platforms and campus management highlighted in the provided sources are:

1. University Campus Online Automation System:

- A system that automates complete university functionalities using cloud-based technology for efficient student and company management by the university.
- Features three login portals for students, placement faculty, and companies visiting the campus.

- Allows students to register online, faculty to manage recruitment processes, and companies to view student profiles and shortlist candidates based on criteria.
- Admin has access to all portals and can manage information stored in the cloud.

2. CloudCampus24:

- A cloud-based educational institute management system that offers various modules for school, college, university, or madras management.
- Provides features like student information collection, online fees payment, result management, attendance notification, library management, and more.
- Offers different pricing packages and services like online admission system, accounts management, job application system, and more.
- Started its journey in 2006 and has gained expertise in digitalizing educational institutions.

3. Google Classroom:

- A free web service developed by Google for schools that aims to simplify creating, distributing, and grading assignments.
- Provides features like creating classes, distributing assignments, communicating with students, and viewing student work in real-time.
- Integrates with other Google tools like Google Docs, Sheets, and Slides for seamless collaboration.
- Provides mobile apps for iOS and Android gadgets to enable access while on the move.

4. Microsoft Teams for Education:

- A digital hub that centralizes discussions, information, tasks, and applications.
- Allows teachers to create classes, collaborate with colleagues, and communicate with students.
- Provides features like assignment management, grading, and integration with other Microsoft 365 apps.
- Offers a free version for schools and a paid version with additional features and storage.

5. Canvas by Instructor:

- A cloud-based learning management system (LMS) that provides a platform for online and blended learning.
- Offers features like course creation, content management, discussion forums, quizzes, and grading.

- Integrates with various third-party tools and services for enhanced functionality.
- Provides mobile apps for iOS and Android for easy access on-the-go.

These existing systems demonstrate the diverse range of cloud-based educational platforms available in the market, each offering unique features and capabilities to cater to the needs of educational institutions and learners.

2.3. Feasibility Study

A feasibility study is crucial for the Cloud Campus project, especially in the context of cloud computing implementation for e-learning platforms. Here is how a feasibility study would be significant for this project:

- **Assessment of Viability:** A feasibility study would assess the viability of implementing a cloud-based e-learning platform like Cloud Campus. It would evaluate the technical, economic, and operational aspects to determine if the project is feasible and sustainable.
- **Risk Assessment:** The study would identify potential risks and challenges associated with cloud computing implementation for e-learning in educational institutions. It would analyze factors like data security, performance, cost implications, and scalability to mitigate risks and ensure a successful project outcome.
- **Cost-Benefit Analysis:** A feasibility study would conduct a cost-benefit analysis to determine the financial implications of implementing the Cloud Campus project. It would assess the costs associated with cloud infrastructure, development, maintenance, and training against the expected benefits in terms of improved learning outcomes, accessibility, and efficiency.
- **Technical Evaluation:** The study would evaluate the technical requirements and capabilities needed for the Cloud Campus platform. It would assess the compatibility of cloud services, scalability, data storage, integration with existing systems, and overall technical feasibility of the project.
- **Stakeholder Alignment:** A feasibility study would involve engaging stakeholders, including educational institutions, students, instructors, and administrators, to ensure alignment with their needs and expectations. It would gather feedback, requirements, and preferences to tailor the Cloud Campus platform to meet the diverse needs of its users.

In conclusion, a feasibility study on the Cloud Campus project would be essential to assess its viability, identify risks, conduct cost-benefit analysis, evaluate technical requirements, and ensure stakeholder alignment for a successful implementation of a cloud-based e-learning platform.

CHAPTER 3: SYSTEM ANALYSIS & DESIGN

3.1. Preface

System analysis and design play a pivotal role in the development of innovative and effective technological solutions, especially in the realm of education. The Cloud Campus project represents a significant endeavor to leverage cloud-based technologies for the creation of a cutting-edge distance learning platform that aims to revolutionize online education.

The process of system analysis and design for the Cloud Campus project has been a meticulous and comprehensive journey, encompassing the identification of user requirements, the definition of system functionalities, the design of the system architecture, and the planning for implementation and deployment. This phase has involved a deep dive into understanding the needs of students, instructors, and administrators, and translating those needs into a robust and user-friendly platform.

The system analysis phase has focused on gathering and analyzing requirements from stakeholders, conducting feasibility studies, and defining the scope and objectives of the Cloud Campus project. This phase has laid the foundation for the design phase, where intricate details of the system architecture, user interfaces, data management, and integration with cloud services have been meticulously crafted.

The design phase of the Cloud Campus project has involved creating wireframes, prototypes, and system models to visualize the user experience, functionality, and interactions within the platform. It has entailed making critical decisions on technology stack, database design, security measures, and scalability considerations to ensure a seamless and efficient system.

This preface sets the stage for delving into the intricacies of system analysis and design for the Cloud Campus project. It highlights the importance of a structured and methodical approach to developing a cloud-based distance learning platform that meets the diverse needs of modern learners and educators. The insights gained from system analysis and design will pave the way for the successful implementation and deployment of the Cloud Campus platform, marking a significant milestone in the evolution of online education.

3.2. Requirement Specification

3.2.1. Functional Requirements

Here are the key functional requirements for the Cloud Campus project based on the provided sources:

1. User Registration and Authentication
 - Secure registration process for students, instructors, and administrators
 - Login and logout functionality with multi-factor authentication
 - Password reset and recovery options.
2. Course Management
 - Ability for instructors to create, manage, and update courses
 - Categorization of courses based on subject, difficulty level, and target audience
 - Integration of various content formats (e.g., videos, PDFs, presentations)
3. Enrollment and Payment
 - Seamless enrollment process for students
 - Integration of secure payment gateways for course fees
 - Handling of discounts, promotions, and refunds
4. Learning Management
 - Intuitive user interface for accessing course materials and resources
 - Progress tracking and course completion certificates
 - Discussion forums and Q&A sections for student-instructor and student-student interaction
5. Instructor Management
 - On-boarding and management of instructors
 - Instructor dashboard for course creation, content management, and student engagement tracking.
 - Instructor analytics and performance reports.
6. Reporting and Analytics
 - Comprehensive reporting on user engagement, course performance, and platform usage.
 - Predictive analytics for identifying trends and patterns in student behavior and preferences.
 - Actionable insights for improving course content and platform features.

These functional requirements align with the key features and objectives of the Cloud Campus project, which aims to provide a comprehensive and user-friendly distance learning platform leveraging cloud computing technologies.

3.2.2. Non-functional Requirements

Non-functional requirements (NFRs) are crucial for the Cloud Campus project, a distance learning website that aims to provide an engaging and accessible learning experience for students worldwide. These specifications speak to the attributes a system need to possess and the limitations it must function inside.

1. **Security:**

- The platform should implement industry-standard security practices to protect user data and ensure privacy.
- Secure data transmission and storage using encryption techniques, role-based access control, and regular security audits.

2. **Scalability:**

- The cloud infrastructure should be able to scale the application up or down by adding/removing resources based on the load.
- The application architecture should be designed in a decoupled and stateless manner to support scaling.

3. **Availability and Fault Tolerance:**

- The system should be designed to avoid single points of failure and achieve high availability.
- The application should be able to handle cloud service-related failures to the extent possible.

4. **Disaster Recovery and Backup:**

- All data should be replicated in real-time to a secondary location to reduce the window for data loss.
- Regular backups of the database and other critical data should be performed.
- The system should be designed for automated recovery from failures with minimal human intervention.

5. **Performance and Responsiveness:**

- The system should provide fast response times for all user interactions, with a target page load time of less than 3 seconds.
- The platform should be able to handle a large number of concurrent users and courses without compromising performance.

6. **Operational Cost:**

- The cloud infrastructure and application architecture should be designed to minimize the monthly operational cost.

7. **Vendor Lock-in and Portability:**

- The system should be developed using open-source software and open standards to prevent vendor lock-in and drive down costs.

3.3. Flowcharts/UML Diagrams/ER Diagrams

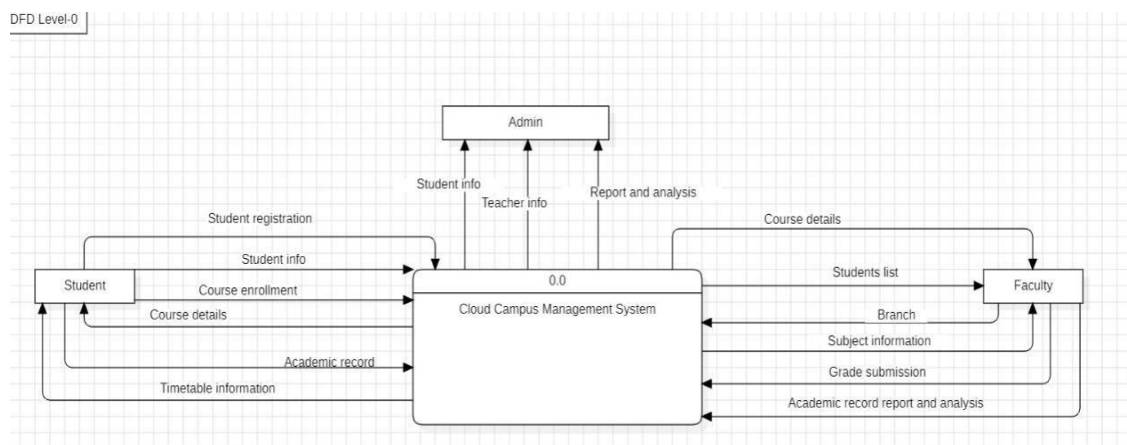
The diagram is an Entity-Relationship (ER) model for a university database. It features the following entities and their attributes:

- Student** (PK: Student_id, Name, password, Email_id, Phone_number, Semester)
- Admin** (PK: Admin_id, admin_name, password)
- Faculty** (PK: Faculty_id, Name, Password, Email_id, Phone_number)
- Courses** (PK: Course_id, Course_name)
- Feedback** (PK: Feedback_id, Feedback)
- Queries** (PK: Query_id, Query)
- Timetable** (PK: Timetable_id, Subject_name, Time, Subject_teacher_name, Google_meet_link)
- Subject** (PK: Subject_code, Subject_name)
- Quiz** (PK: Quiz_id, Name, Registration_no, Marks, Branch, Date, Time)
- Assignments** (PK: Assignments_id, Assignment_name, Name, Registration_no, Created_date, Submit_date)
- Exam** (PK: Exam_id, Branch, Time, Date)
- E-library** (PK: library_id, branch_name, study_materials)

Relationships and cardinalities are indicated by lines with crow's foot notation:

- Student** to **Courses**: enrolls (1:M)
- Student** to **Feedback**: gives (1:M)
- Student** to **Timetable**: access (1:M)
- Student** to **Quiz**: has (1:M)
- Student** to **Assignments**: submits (1:M)
- Admin** to **Courses**: handled by (1:M)
- Admin** to **Feedback**: receives (1:M)
- Admin** to **Queries**: receives (1:M)
- Admin** to **Timetable**: managed by (1:M)
- Admin** to **Subject**: assigns (1:M)
- Admin** to **Exam**: updated by (1:M)
- Admin** to **E-library**: manages (1:M)
- Faculty** to **Timetable**: access (1:M)
- Faculty** to **Subject**: lectures (1:M)
- Faculty** to **Quiz**: conducts (1:M)
- Faculty** to **Assignments**: creates (1:M)
- Faculty** to **Exam**: updates (1:M)
- Courses** to **Feedback**: gives (1:M)
- Queries** to **E-library**: receives (1:M)
- Timetable** to **Subject**: access (1:M)
- Subject** to **Exam**: updated by (1:M)
- Quiz** to **Assignments**: has (1:M)
- Assignments** to **Exam**: updated by (1:M)
- E-library** to **Exam**: updated by (1:M)

DATA FLOW DIAGRAM (LEVEL-0)



26

DATA FLOW DIAGRAM (LEVEL-1)

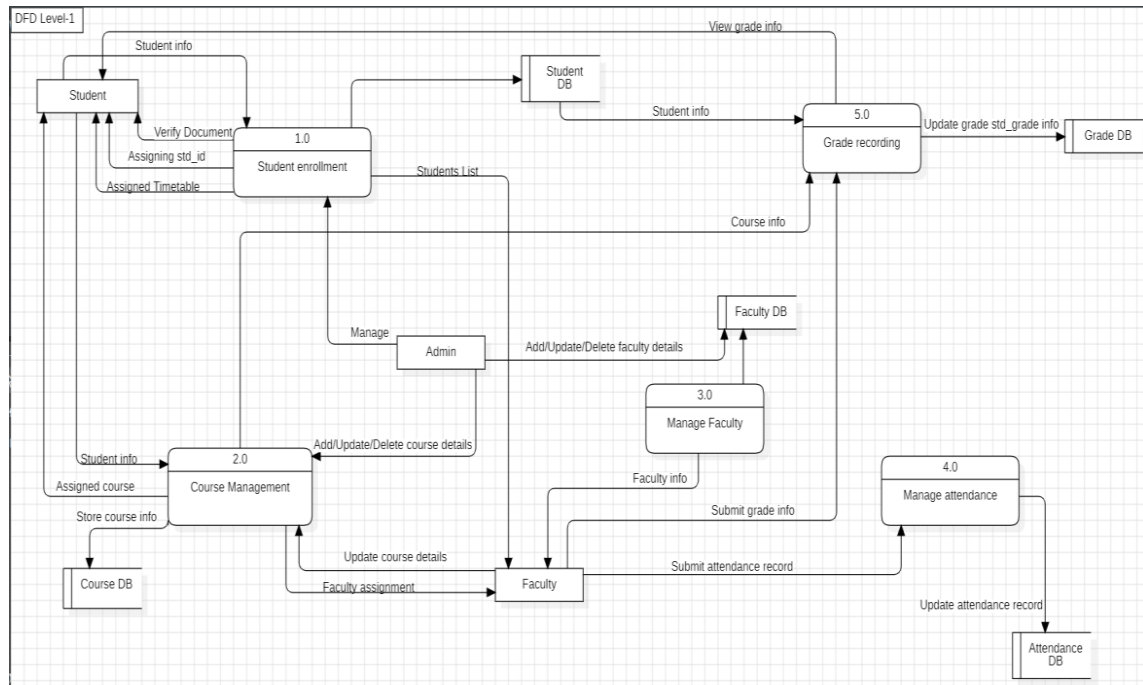


Fig.-3

DATA FLOW DIAGRAM (LEVEL-2)

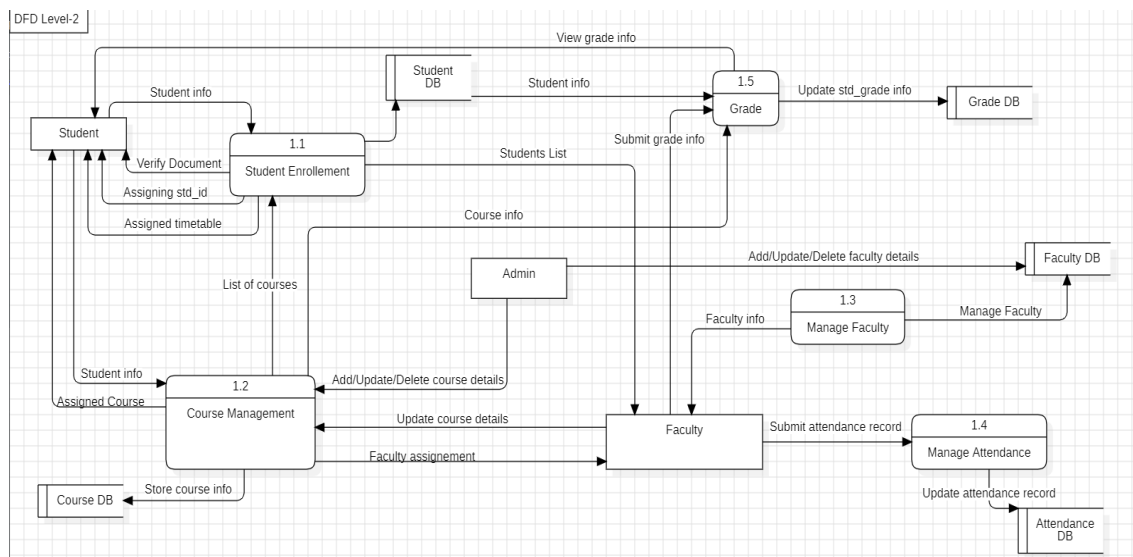


Fig.-4

USECASE DIAGRAM

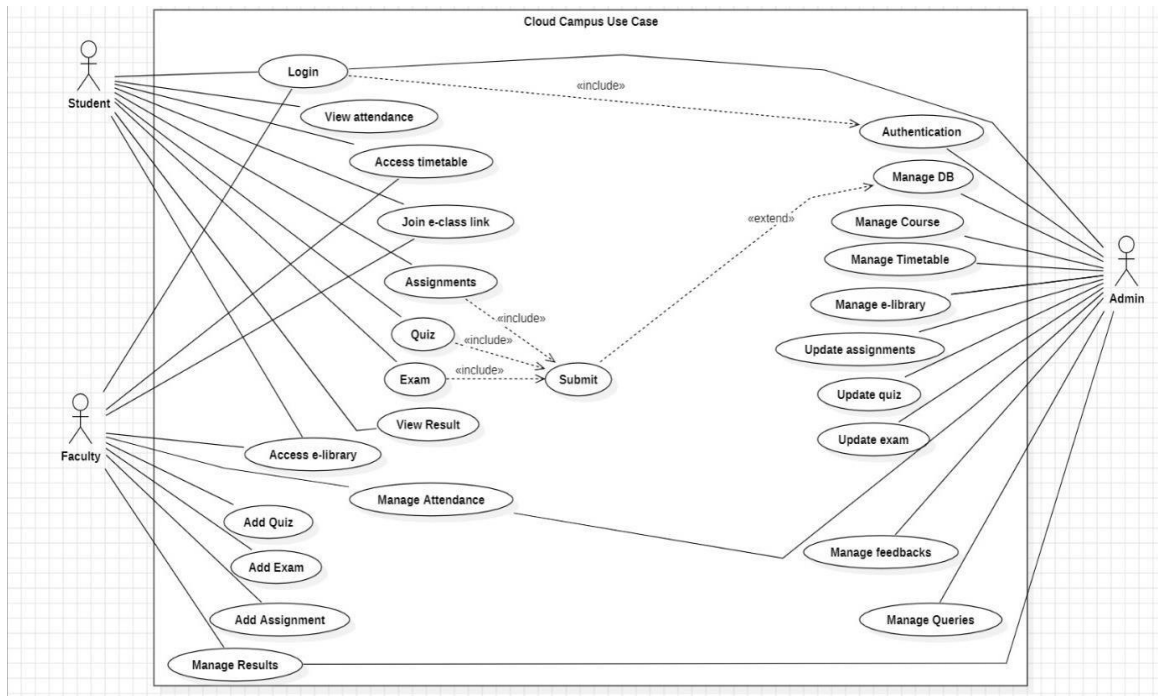


Fig.-5

SEQUENCE DIAGRAM

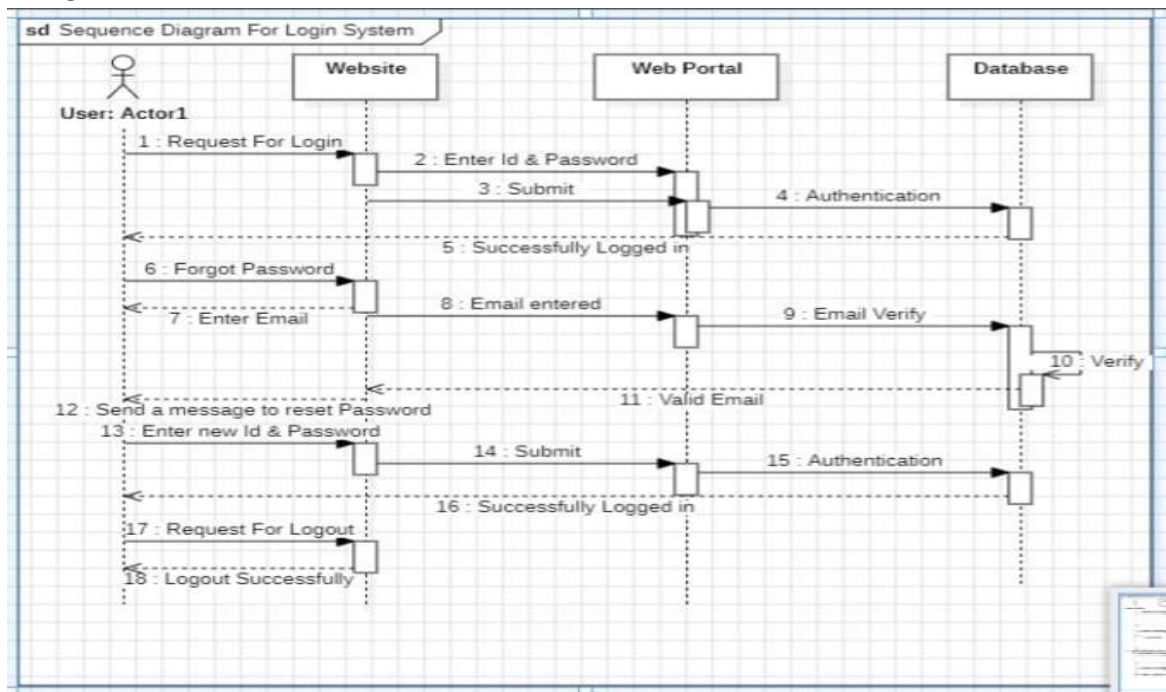


Fig.-6

3.4. Design Steps /Criteria

The design steps/criteria for the Cloud Campus project - a distance learning website, can be derived from the information provided in the sources. Here are the key steps and criteria for designing an effective distance learning website:

1. Identify Your Students and Their Needs:
 - Understand the demographics, learning objectives, and preexisting knowledge of your students.
 - Determine the level of involvement required from the instructor and the preferred mode of learning for students.
2. Set Clear Learning Goals:
 - Define clear learning objectives that align with the needs and objectives of the students.
 - Establish the expected outcomes and skills that students should acquire upon completing the course.
3. Outline Your Course Structure and Syllabus:
 - Create a clear outline of the course content, including video lectures, learning goals, and individual modules.
 - Develop a linear lesson path that leads students from the beginning to the end of the course, focusing on telling, teaching, and recapping key concepts.
4. Develop Cornerstone Content:
 - Create engaging and informative content that aligns with the learning objectives and provides value to students.
 - Incorporate various multimedia elements, interactive activities, and assessments to enhance the learning experience.
5. Plan Your Course with an Instructional Design Storyboard:
 - Use an instructional design storyboard to map out the high-level learning themes and objectives of the course.
 - Structure the course content based on Bloom's Taxonomy to cover all levels of mastery required for student learning.
6. Consider Social Elements and Learning Communities:
 - Integrate social learning elements, such as online communities and cohort-based learning, to facilitate peer-to-peer interaction and collaboration.
 - Create a supportive learning environment that encourages social learning, peer support, and student-instructor interaction.

7. Deliver the Online Learning Course:

- Collaborate with course coordinators, technical teams, and mentors to efficiently deliver the course to students.
- Provide technical support for troubleshooting issues faced by students during the distance learning process.

By following these design steps and criteria, the Cloud Campus project can create an effective and engaging distance learning website that meets the needs of students, instructors, and administrators.

CHAPTER 4: TESTING PROCESS

4.1. Unit Testing

Unit testing for the Cloud Campus project should focus on testing individual components and modules of the system in isolation. This includes:

- Testing the user registration and authentication functionality, including validating user inputs, handling password resets, and verifying multi-factor authentication.
- Testing the course management module, including creating, updating, and deleting courses, handling course categorization, and integrating various content formats.
- Testing the enrollment and payment functionality, including validating user inputs, integrating payment gateways, and handling discounts and refunds.
- Testing the learning management features, such as accessing course materials, tracking progress, and facilitating discussions.
- Testing the instructor management module, including onboarding instructors, managing course content, and tracking student engagement.
- Testing the reporting and analytics functionality, including generating reports on user engagement, course performance, and platform usage.

4.2. System Testing

System testing for the Cloud Campus project should focus on testing the entire system as a whole, ensuring that all components work together seamlessly. This includes:

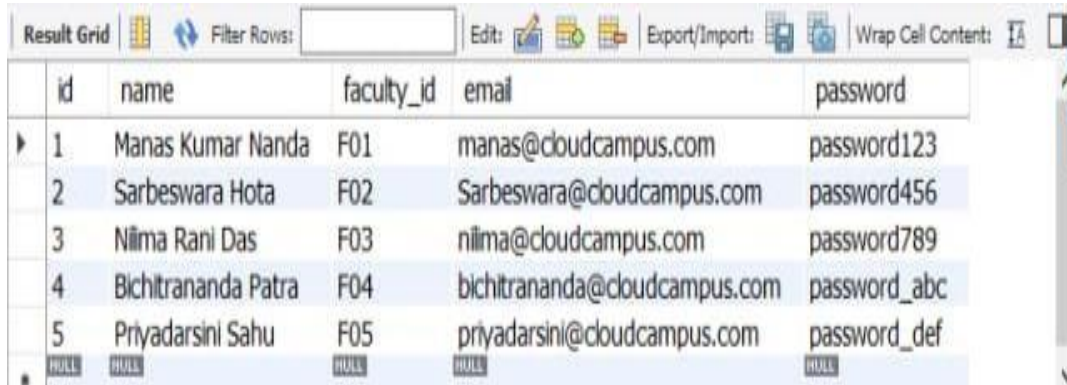
- Testing the system's scalability by simulating high user loads and verifying that the platform can handle the traffic without compromising performance.
- Testing the system's availability and fault tolerance by simulating cloud service failures and verifying that the system can recover with minimal downtime.
- Testing the system's security by attempting to breach the platform's defenses and verifying that sensitive data is protected.
- Testing the system's compatibility by verifying that the platform works as expected across different browsers, operating systems, and devices.
- Testing the system's usability by having users interact with the platform and providing feedback on the user experience.
- Testing the system's integration with third-party tools and services, such as video conferencing platforms and collaboration tools.

By conducting thorough unit testing and system testing, the Cloud Campus project can ensure that the platform is reliable, secure, and user-friendly, meeting the needs of students, instructors, and administrators.

CHAPTER5: RESULTSANDDISCUSSIONS

5.1. Databases

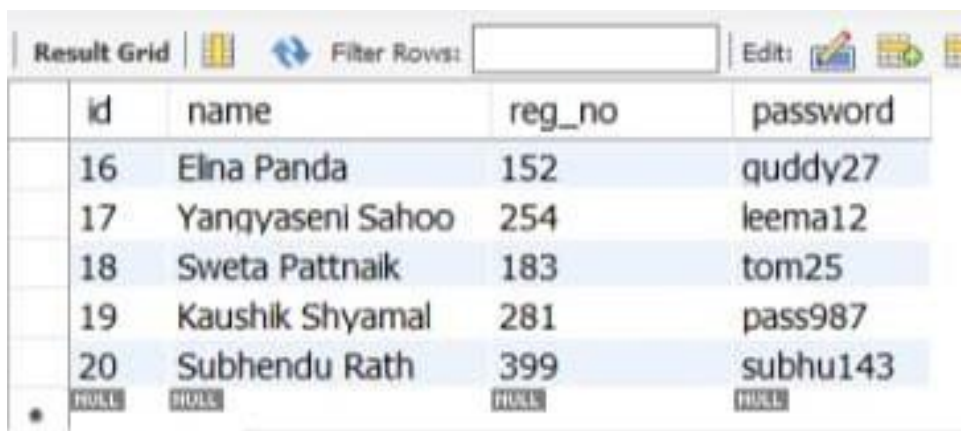
Faculty Information Table



	id	name	faculty_id	email	password
1	1	Manas Kumar Nanda	F01	manas@cloudcampus.com	password123
2	2	Sarbeswara Hota	F02	Sarbeswara@cloudcampus.com	password456
3	3	Nilima Rani Das	F03	nilima@cloudcampus.com	password789
4	4	Bichitrananda Patra	F04	bichitrananda@cloudcampus.com	password_abc
5	5	Priyadarsini Sahu	F05	priyadarsini@cloudcampus.com	password_def

Fig.-7

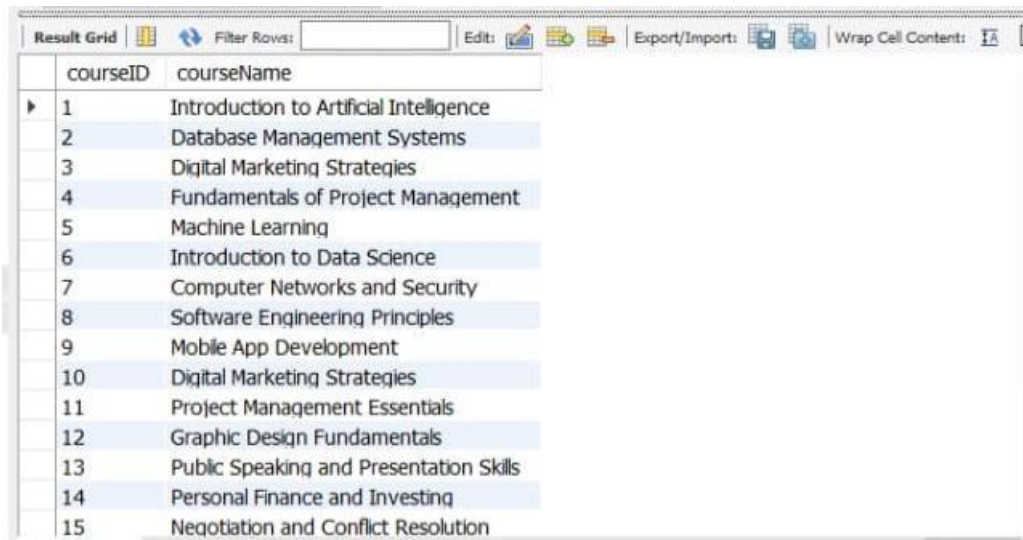
Student Information Table



	id	name	reg_no	password
16	16	Elna Panda	152	quddy27
17	17	Yangyaseni Sahoo	254	leema12
18	18	Sweta Pattnaik	183	tom25
19	19	Kaushik Shyamal	281	pass987
20	20	Subhendu Rath	399	subhu143

Fig.-8

Course Details Table



The screenshot shows a 'Result Grid' window with a table containing 15 rows of course data. The table has two columns: 'courseID' and 'courseName'. The rows are numbered 1 through 15. The first row is highlighted with a blue background. The table is displayed within a window that has a toolbar with various icons for filtering, editing, and exporting data.

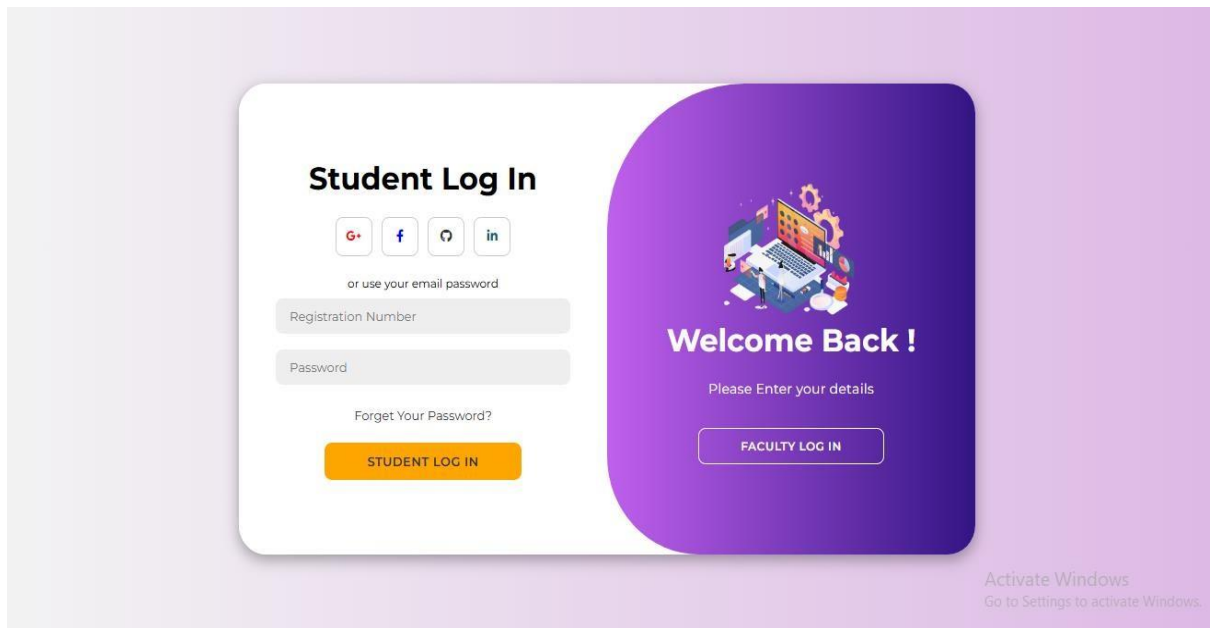
courseID	courseName
1	Introduction to Artificial Intelligence
2	Database Management Systems
3	Digital Marketing Strategies
4	Fundamentals of Project Management
5	Machine Learning
6	Introduction to Data Science
7	Computer Networks and Security
8	Software Engineering Principles
9	Mobile App Development
10	Digital Marketing Strategies
11	Project Management Essentials
12	Graphic Design Fundamentals
13	Public Speaking and Presentation Skills
14	Personal Finance and Investing
15	Negotiation and Conflict Resolution

Fig.-9

5.2. Results and Outputs

- Login Page

(Student Login Page)



The screenshot shows a 'Student Log In' page. On the left, there is a white login form with a purple header. The form includes social media login buttons (Google, Facebook, Twitter, LinkedIn), a text input for 'Registration Number', a text input for 'Password', a 'Forgot Your Password?' link, and a yellow 'STUDENT LOG IN' button. On the right, there is a purple sidebar with a 'Welcome Back !' message, a 'Please Enter your details' prompt, and a white 'FACULTY LOG IN' button. The background is a light purple gradient.

Fig.10

(Faculty Login Page)

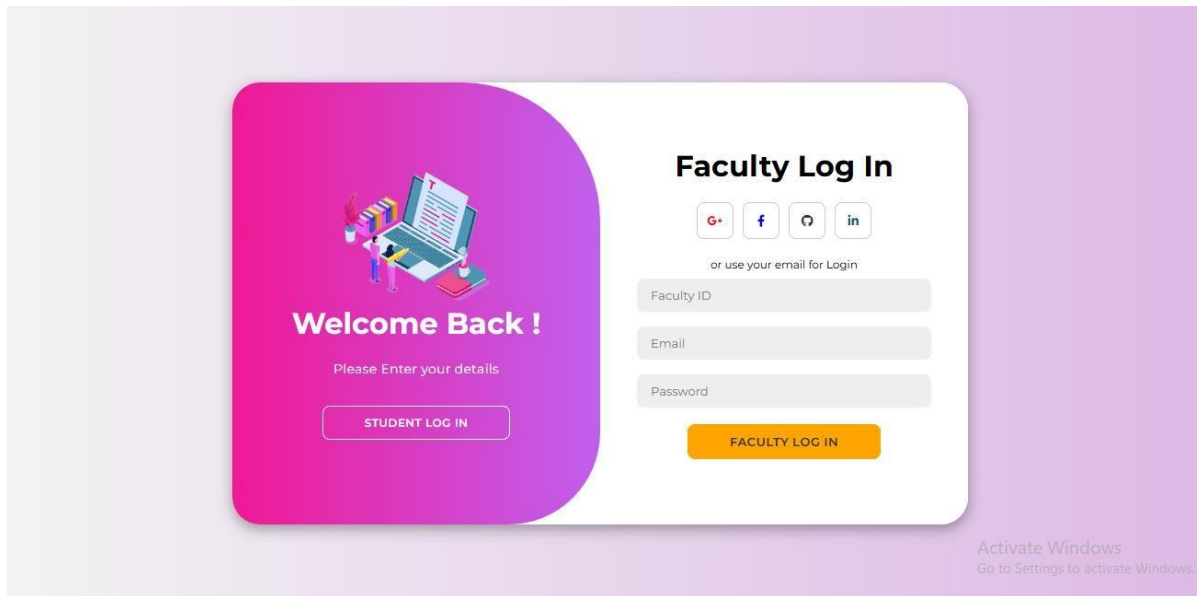


Fig.11

• Home Page / Landing Page

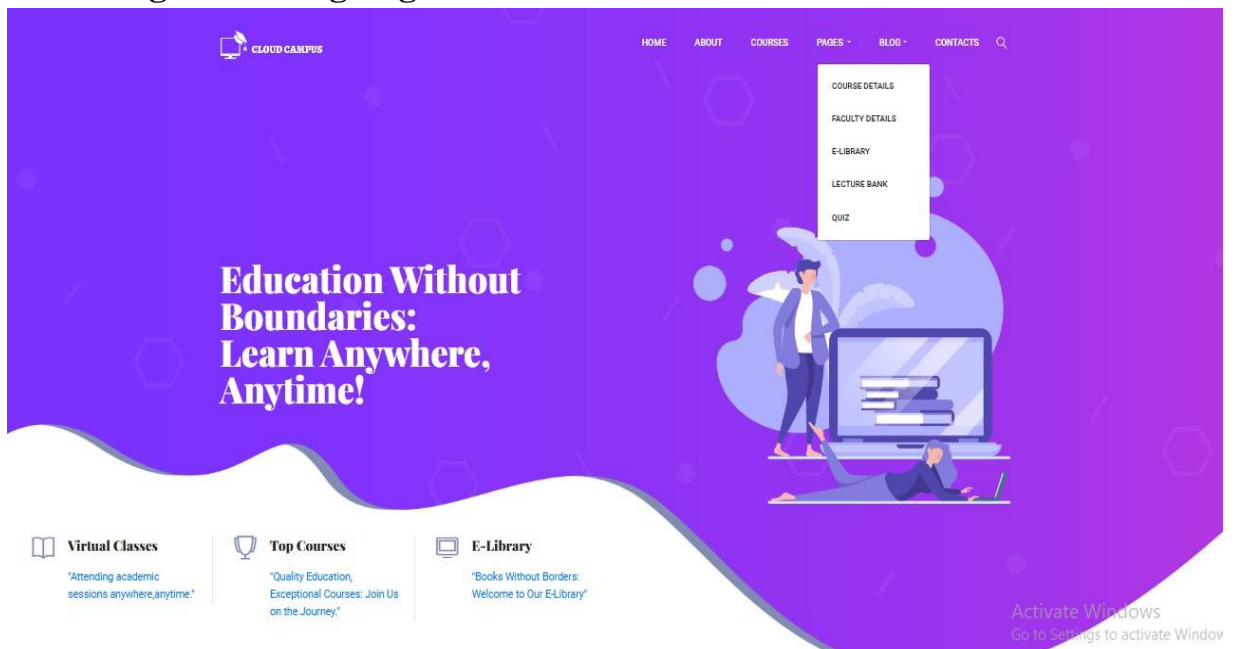


Fig.-12

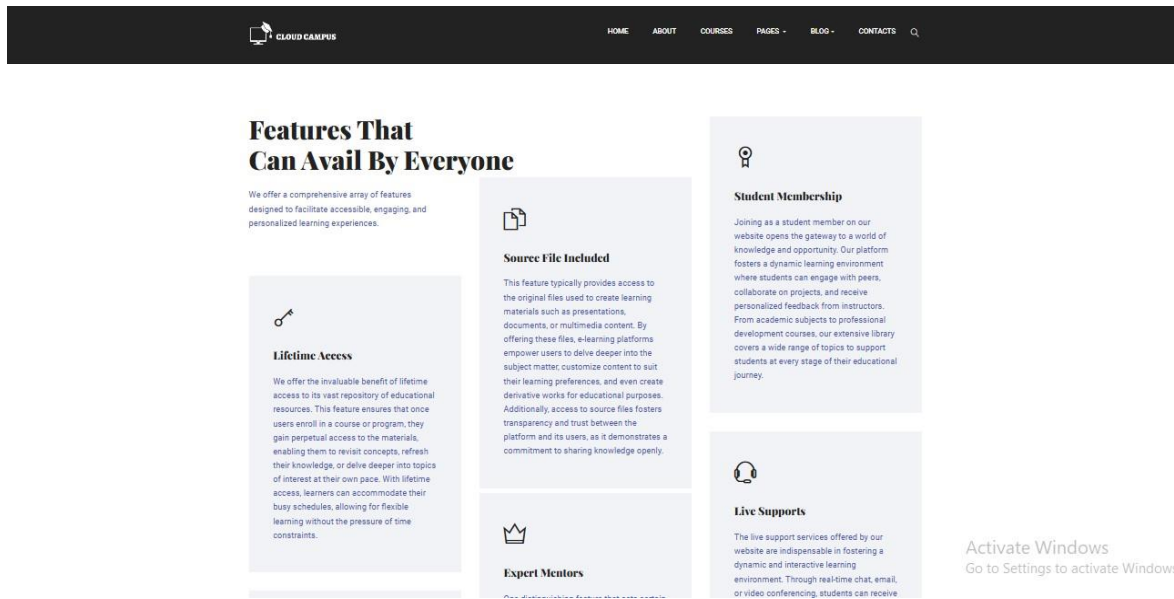


Fig.-13

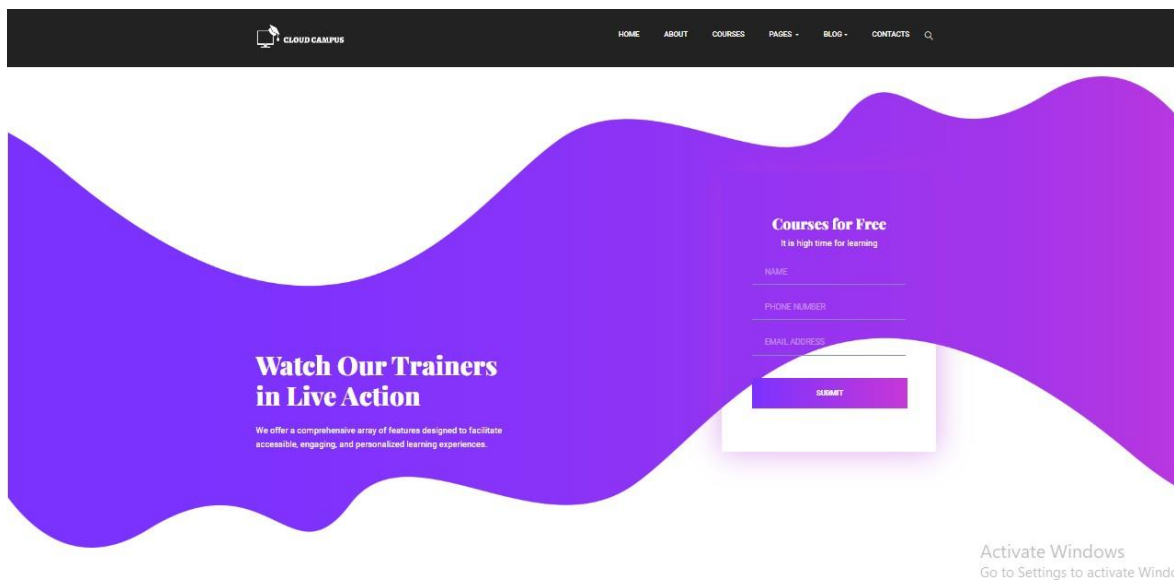


Fig.-14

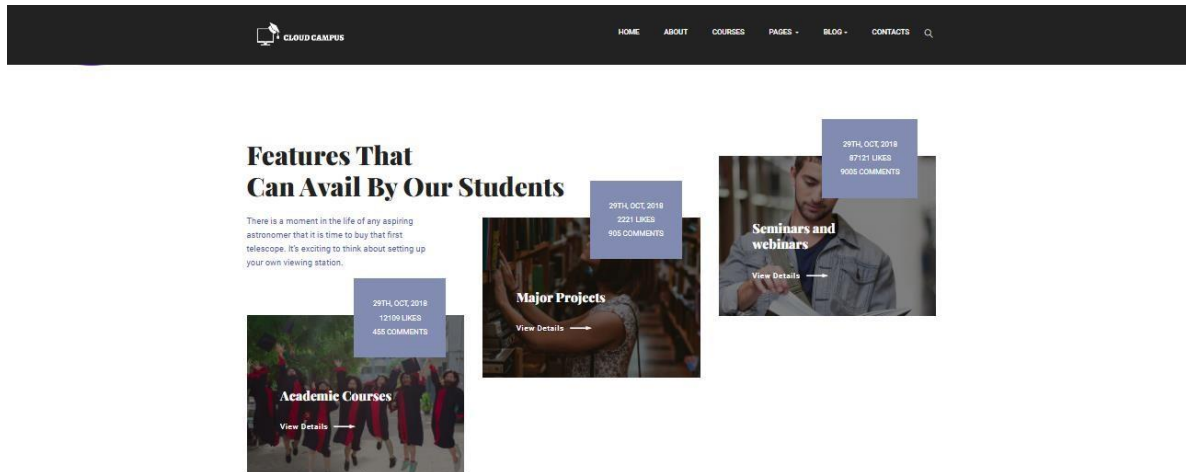


Fig.-15

- **Course Details Page**

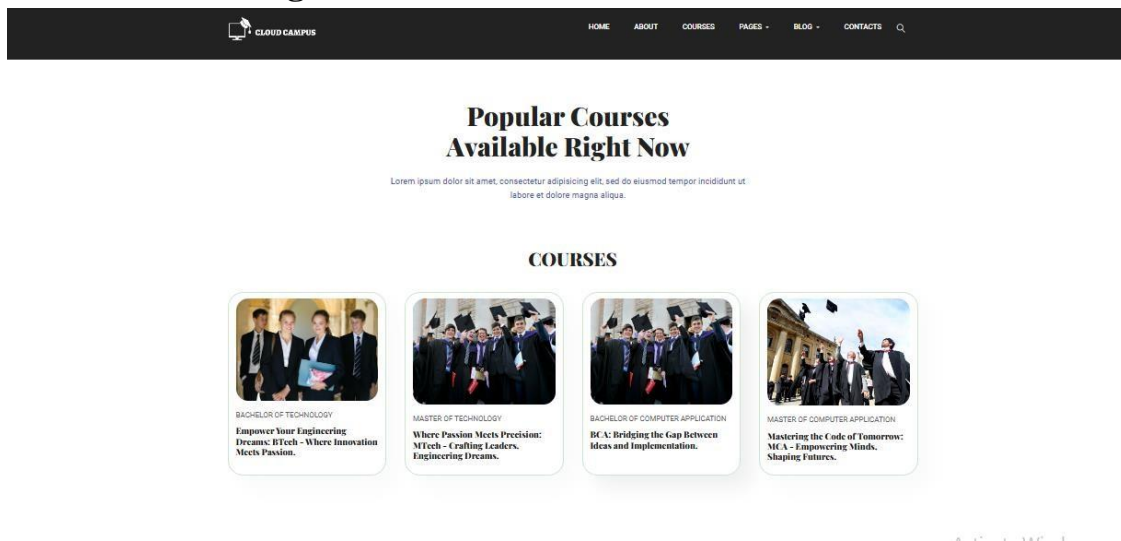


Fig.-16

- **Faculty page**

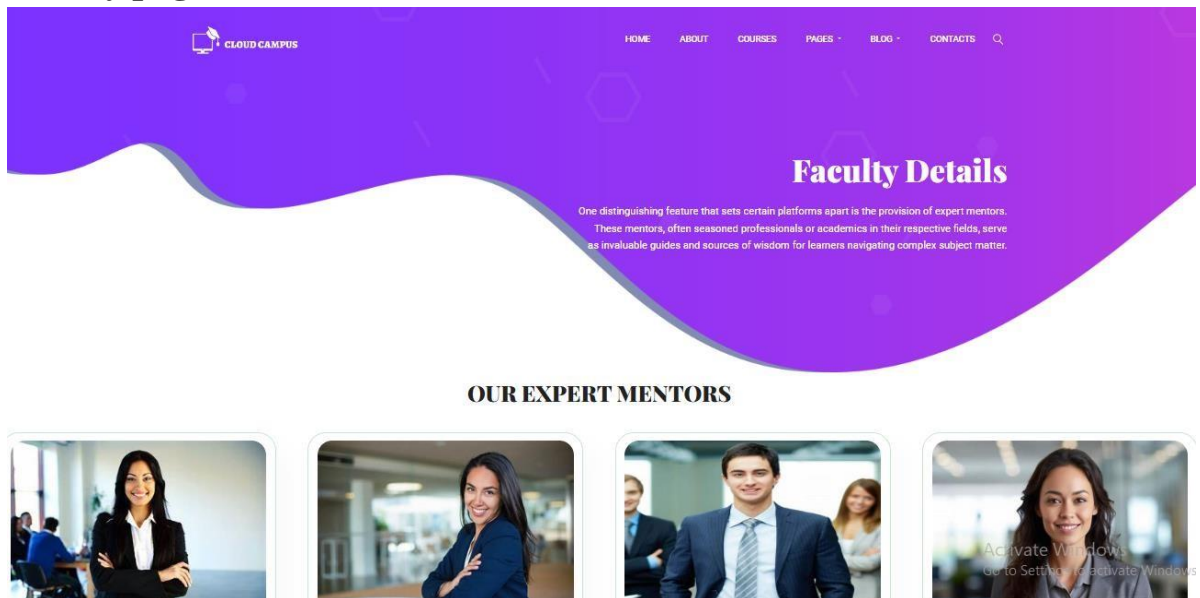


Fig.-17

- **E-Library Page**

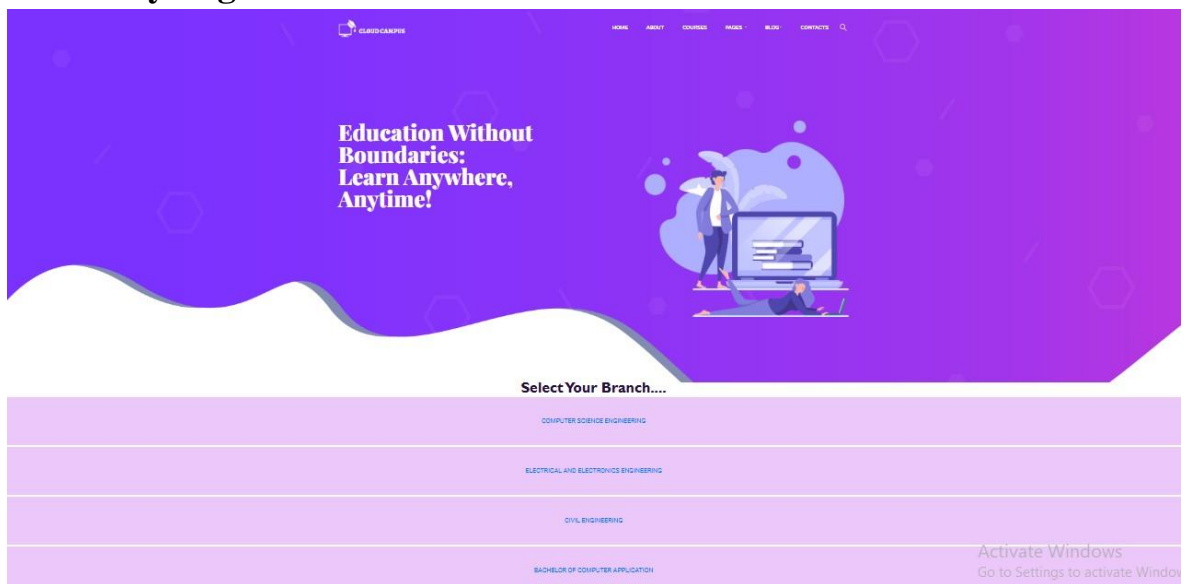


Fig.-18



Fig.-19

- **Lecture Bank**

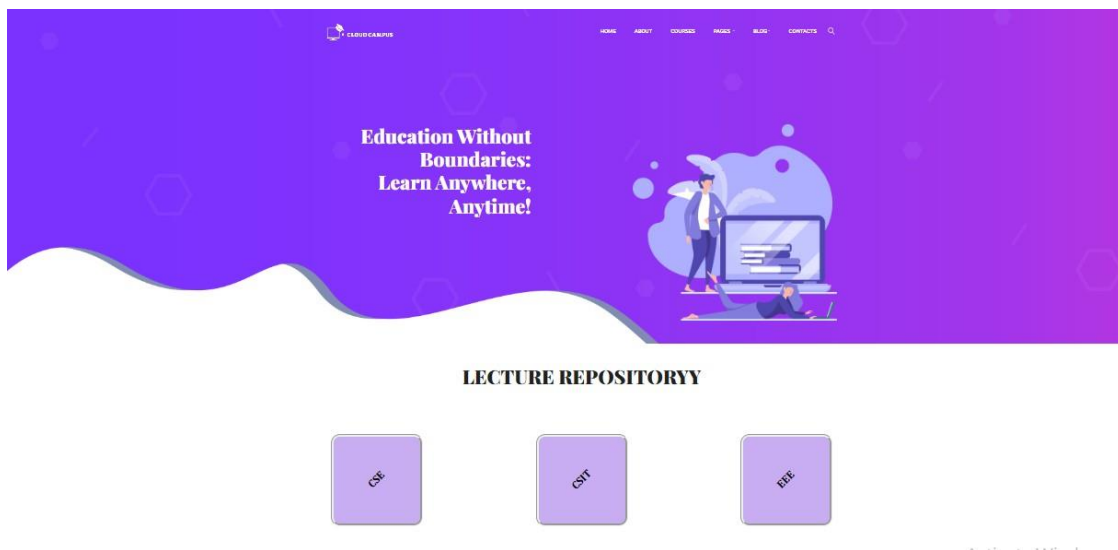


Fig.-20

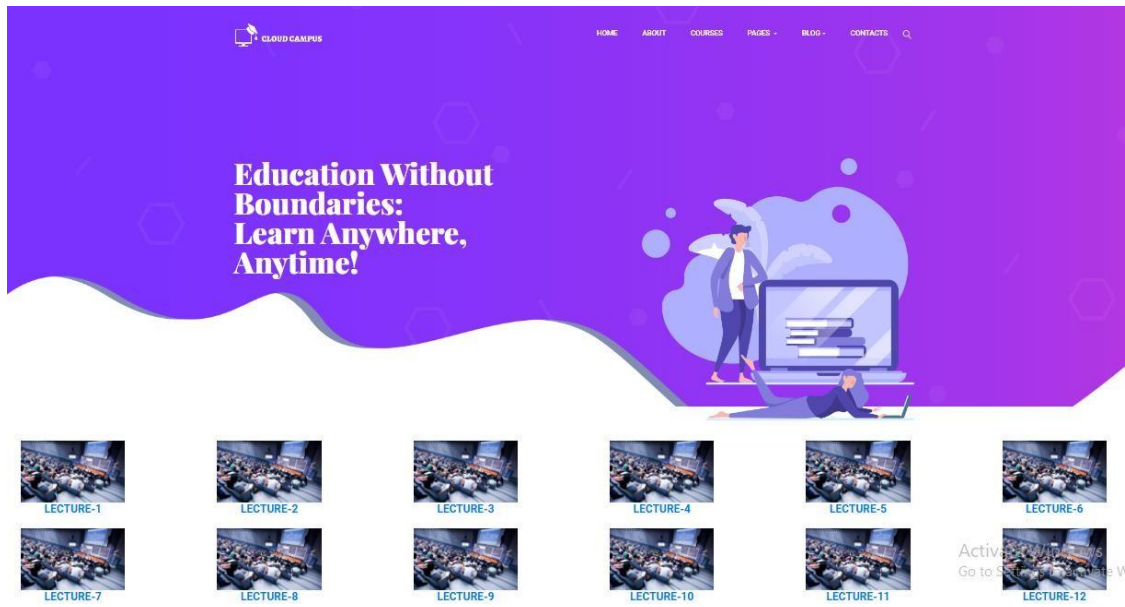


Fig.-21

- **Placement Page**

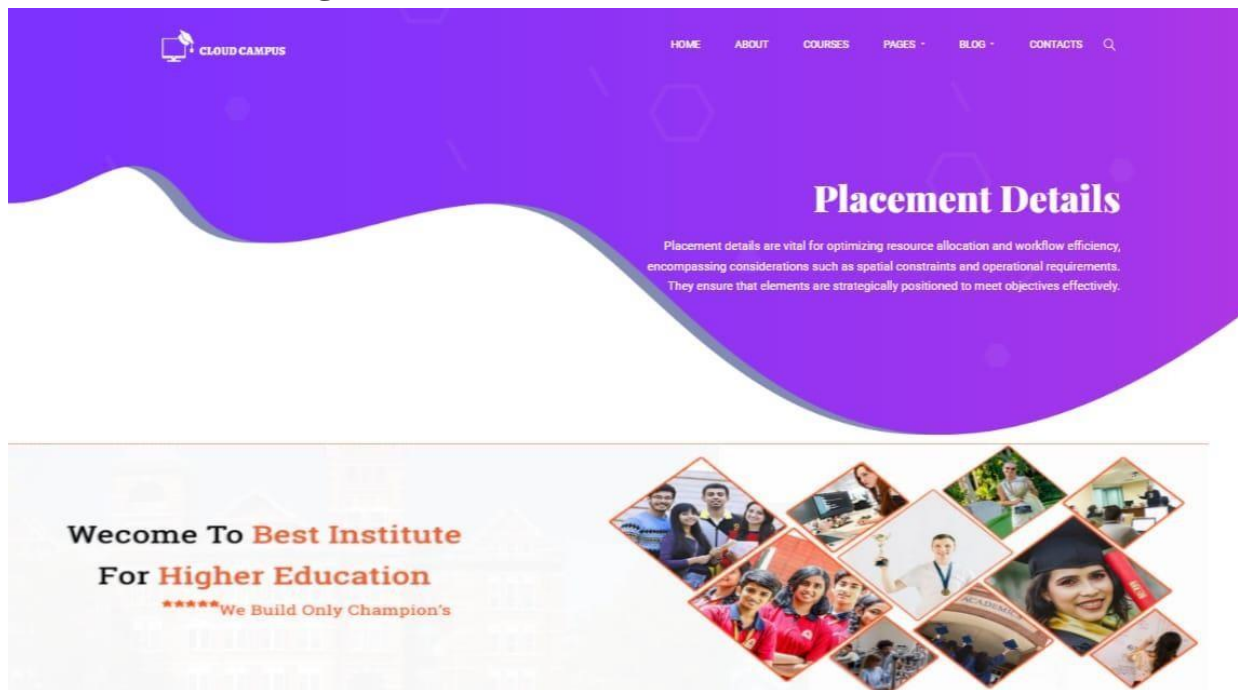


Fig.-22

- **Contact Us Page**

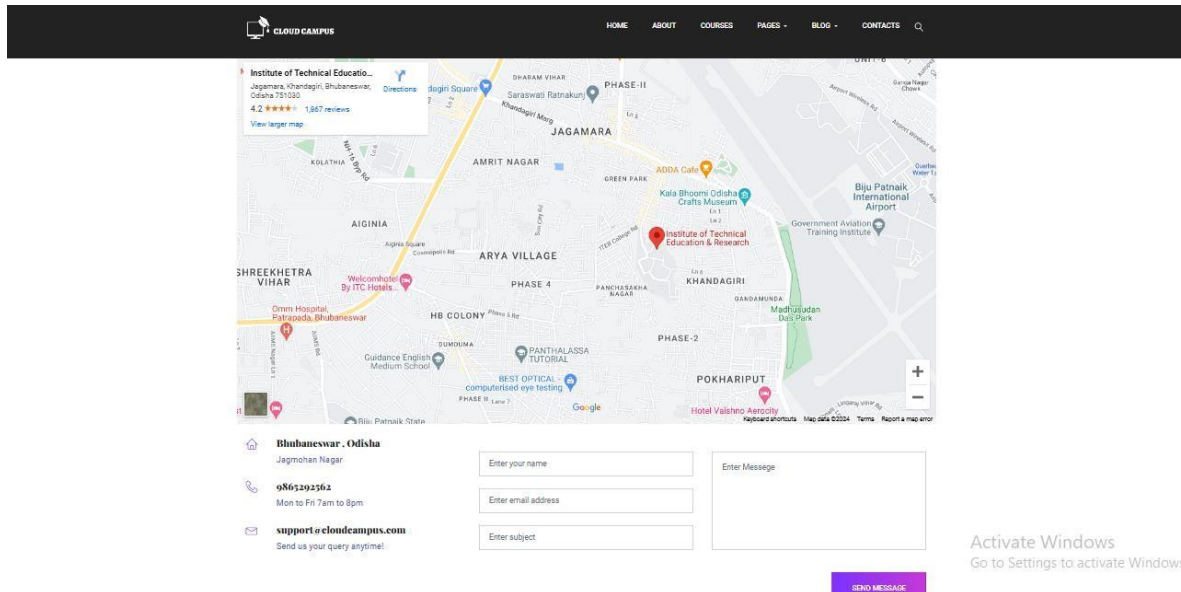


Fig.-23

- **Blog Page**

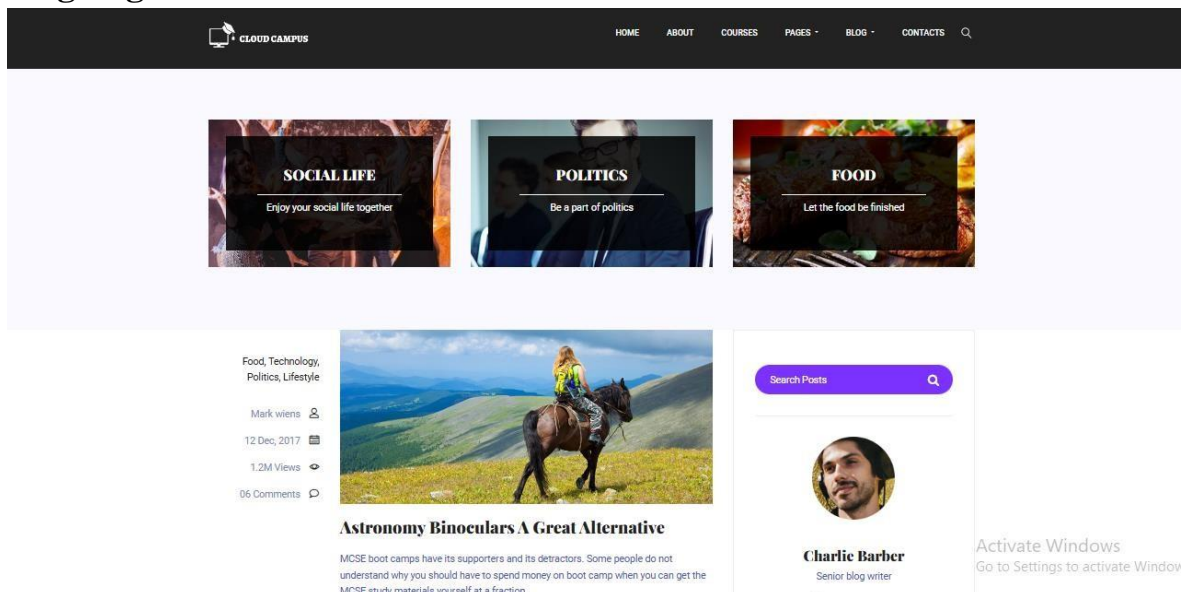


Fig.-24

CHAPTER 6: SOCIOECONOMIC ISSUES

6.1. Practical Relevance

The socioeconomic issues that can impact the success of a distance learning website project include:

1. **Digital Divide:** The difference between people who have access to technology and the internet and those who do not is known as the "digital divide." This can create a barrier for students from low-income backgrounds who may not have access to the necessary technology or internet connection to participate in online learning.
2. **Limited Access to Technology:** Many students from low-income backgrounds may not have access to the necessary technology, such as laptops or tablets, to participate in online learning. This can create a barrier for students who may not have the necessary resources to access online learning materials.
3. **Limited Access to Internet:** Many students from low-income backgrounds may not have access to the internet, which can create a barrier for students who need to access online learning materials or participate in online discussions.
4. **Limited Access to Educational Resources:** Students from low-income backgrounds may not have access to the necessary educational resources, such as textbooks or educational software, to participate in online learning.
5. **Limited Access to Support Services:** Students from low-income backgrounds may not have access to the necessary support services, such as tutoring or counseling, to participate in online learning.
6. **Limited Access to Online Learning Opportunities:** Students from low-income backgrounds may not have access to online learning opportunities, such as online courses or online degree programs, due to lack of resources or lack of access to technology.
7. **Limited Access to Online Learning Platforms:** Students from low-income backgrounds may not have access to online learning platforms, such as online learning management systems or online course platforms, due to lack of resources or lack of access to technology.
8. **Limited Access to Online Learning Materials:** Students from low-income backgrounds may not have access to online learning materials, such as online textbooks or online educational resources, due to lack of resources or lack of access to technology.
9. **Limited Access to Online Learning Support:** Students from low-income backgrounds may not have access to online learning support, such as online tutoring or online counseling, due to lack of resources or lack of access to technology.
10. **Limited Access to Online Learning Opportunities for People with Disabilities:** Students with disabilities may not have access to online learning opportunities due to lack of accessibility features or lack of resources.

These socioeconomic issues can create barriers for students from low-income backgrounds and students with disabilities, making it difficult for them to participate in online learning and access educational resources.

6.2. Global Impact

The socioeconomic issues that can impact the success of a distance learning website project have a global impact, as they can affect students from low-income backgrounds worldwide. These issues can create barriers for students who may not have access to the necessary technology, internet, or educational resources to participate in online learning. This can lead to a lack of access to education and opportunities for students from low-income backgrounds, which can have long-term consequences for their economic and social development.

6.3. Lifelong Learning

The socioeconomic issues that can impact the success of a distance learning website project can also impact lifelong learning. Students from low-income backgrounds may not have access to the necessary resources or opportunities to continue their education beyond high school or college, which can limit their opportunities for career advancement and economic mobility. This can lead to a lack of access to education and opportunities for students from low-income backgrounds, which can have long-term consequences for their economic and social development. In conclusion, the socioeconomic issues that can impact the success of a distance learning website project are significant and can have a global impact. These issues can create barriers for students from low-income backgrounds and limit their access to education and opportunities. It is essential to address these issues to ensure that all students have access to education and opportunities, regardless of their socioeconomic background.

CHAPTER 7: CONCLUSION AND FUTURE SCOPE

7.1. Conclusion

The distance learning website project has been a groundbreaking endeavor that has revolutionized the way students learn and interact with educational resources. By providing a comprehensive and user-friendly platform, we have empowered students to take control of their learning experience and access educational resources from anywhere, at any time. Through the development of this project, we have identified key features and functionalities that have enhanced the learning experience, including course management, enrollment and payment, learning management, instructor management, and reporting and analytics. These features have not only improved the efficiency and effectiveness of the learning process but have also increased student engagement and motivation.

Moreover, the project has considered socioeconomic issues that can impact the success of the project, including the digital divide, limited access to technology and internet, and limited access to educational resources. By addressing these issues, we have ensured that the platform is accessible and inclusive for students from diverse backgrounds and abilities. As we look to the future, we are excited to explore new technologies and innovations that can further enhance the learning experience.

We believe that the integration of artificial intelligence, machine learning, and virtual and augmented reality technologies will revolutionize the way students learn and interact with educational resources. We are also committed to ensuring that the platform remains accessible and inclusive for students with disabilities, and we will continue to work with educational institutions and organizations to integrate the platform with existing learning management systems and provide a seamless learning experience.

In conclusion, the distance learning website project has been a remarkable achievement that has transformed the way students learn and interact with educational resources. We are proud of what we have accomplished and look forward to continuing to innovate and improve the platform to meet the evolving needs of students, instructors, and administrators.

7.2. Future Scope

The future scope of the distance learning website project is vast and exciting. We plan to continue to innovate and improve the platform to meet the evolving needs of students, instructors, and administrators. Some of the key areas we will focus on include:

1. **Integration with Artificial Intelligence (AI) and Machine Learning (ML) Technologies:** We will integrate AI and ML technologies to enhance the learning experience, such as personalized learning recommendations, automated grading, and intelligent tutoring systems.
2. **Mobile App Development:** We will develop a mobile app for students to access the platform on-the-go, providing a seamless learning experience.

3. **Virtual and Augmented Reality (VR/AR) Integration:** We will integrate VR/AR technologies to enhance the learning experience, such as immersive simulations, virtual field trips, and interactive 3D models.
4. **Gamification and Social Learning:** We will incorporate gamification elements and social learning features to increase student engagement and motivation.
5. **Accessibility and Inclusivity:** We will ensure that the platform is accessible and inclusive for students with disabilities, including those with visual, auditory, motor, or cognitive disabilities.
6. **Internationalization and Localization:** We will internationalize and localize the platform to cater to students from diverse cultural backgrounds, including language support and regional content.
7. **Collaboration with Educational Institutions:** We will collaborate with educational institutions to integrate the platform with existing learning management systems and provide a seamless learning experience.
8. **Continuous Improvement and Feedback:** We will continuously gather feedback from students, instructors, and administrators to improve the platform and ensure that it meets the evolving needs of the educational community.

By continuing to innovate and improve the platform, we are confident that the distance learning website project will remain a leading edge in the field of distance learning and continue to transform the way students learn and interact with educational resources.

REFERENCES

- Motiwalla, Luvai, and Steven Tello. "Distance learning on the Internet: An exploratory study." *The internet and higher education* 2.4 (2000): 253-264.
- Geri, Nitza, Ruti Gafni, and Amir Winer. "The u-curve of e-learning: Course website and online video use in blended and distance learning." *Interdisciplinary Journal of E-Learning and Learning Objects* 10.1 (2014): 1-16.
- Utoyo, Arsa Widitiarsa, and Yunida Sofiana. "Beevirale Multimedia Website for Distance Learning Introduction." *E3S Web of Conferences*. Vol. 426. EDP Sciences, 2023.
- Porter, Jay, and Joseph Morgan. "A Web based Instrumentation Platform for Use in Distance Learning." *2003 Annual Conference*. 2003.
- Means, B. et al. (2009) Evaluation of Evidence-Based Practices in Online Learning: A Meta-Analysis and Review of Online Learning Studies Washington, DC: US Department of Education
- Moore, M.G. (1989) Three types of interaction American Journal of Distance Education, Vol.3, No.2
- Moore, M. and Thompson, M. (1990) The Effects of Distance Education: A Summary of the Literature University Park, PA: American Center for Distance Education, Pennsylvania State University

CODE OF OUR PROJECT

LOGIN PAGE

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/6.4.2/css/all.min.css">
  <link rel="stylesheet" href="Design.css">
  <title>Login Page</title>
</head>

<body>

  <div class="container" id="container">
    <div class="form-container sign-up">
      <form>
        <h1>Faculty Log In</h1>
        <div class="social-icons">
          <a href="#" class="icon"><i class="fa-brands fa-google-plus-
g" style="color: red;"></i></a>
          <a href="#" class="icon"><i class="fa-brands fa-facebook-f"
style="color: blue;"></i></a>
          <a href="#" class="icon"><i class="fa-brands fa-
github"></i></a>
          <a href="#" class="icon"><i class="fa-brands fa-linkedin-in"
style="color: rgb(29, 90, 110);"></i></a>
        </div>
        <span>or use your email for Login</span>
        <input type="text" placeholder="Faculty ID">
        <input type="email" placeholder="Email">
        <input type="password" placeholder="Password">
        <button><a href="index.html">Faculty Log In</a></button>
      </form>
    </div>
    <div class="form-container sign-in">
      <form>
        <h1>Student Log In</h1>
        <div class="social-icons">
          <a href="#" class="icon"><i class="fa-brands fa-google-plus-
g" style="color: red;"></i></a>
```

```

        <a href="#" class="icon"><i class="fa-brands fa-facebook-f"
style="color: blue;"></i></a>
        <a href="#" class="icon"><i class="fa-brands fa-
github"></i></a>
        <a href="#" class="icon"><i class="fa-brands fa-linkedin-in"
style="color: rgb(29, 90, 110);"></i></a>
    </div>
    <span>or use your email password</span>
    <input type="text" placeholder="Registration Number">
    <input type="password" placeholder="Password">
    <a href="#">Forget Your Password?</a>
    <button><a href="index.html">Student Log In</a></button>
</form>
</div>
<div class="toggle-container">
    <div class="toggle">
        <div class="toggle-panel toggle-left">
            
            <h1>Welcome Back !</h1>
            <p>Please Enter your details</p>
            <button class="hidden" id="login">Student Log In</button>
        </div>
        <div class="toggle-panel toggle-right">
            
            <h1>Welcome Back !</h1>
            <p>Please Enter your details</p>
            <button class="hidden" id="register">Faculty Log In</button>
        </div>
    </div>
</div>
</div>

    <script src="script.js"></script>
</body>

</html>

```


HOME PAGE

```
<!DOCTYPE html>
<html lang="zxx" class="no-js">

<head>
  <!-- Mobile Specific Meta -->
  <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no" />
  <!-- Favicon -->
  <link rel="shortcut icon" href="img/fav.png" />
  <!-- Author Meta -->
  <meta name="author" content="colorlib" />
  <!-- Meta Description -->
  <meta name="description" content="" />
  <!-- Meta Keyword -->
  <meta name="keywords" content="" />
  <!-- meta character set -->
  <meta charset="UTF-8" />
  <!-- Site Title -->
  <title>Cloud Campus</title>

  <link
href="https://fonts.googleapis.com/css?family=Playfair+Display:900|Roboto:400,400i,500,700" rel="stylesheet" />
  <!--
    CSS
    =====
  -->
  <link rel="stylesheet" href="css/linearicons.css" />
  <link rel="stylesheet" href="css/font-awesome.min.css" />
  <link rel="stylesheet" href="css/bootstrap.css" />
  <link rel="stylesheet" href="css/magnific-popup.css" />
  <link rel="stylesheet" href="css/owl.carousel.css" />
  <link rel="stylesheet" href="css/nice-select.css">
  <link rel="stylesheet" href="css/hexagons.min.css" />
  <link rel="stylesheet" href="https://cdn.jsdelivr.net/themify-icons/0.1.2/css/themify-icons.css" />
  <link rel="stylesheet" href="css/main.css" />
</head>

<body>
  <!-- ===== Start Header Area ===== -->
  <header class="default-header">
    <nav class="navbar navbar-expand-lg navbar-light">
```

```

<div class="container">
  <a class="navbar-brand" href="index.html">
    
  </a>
  <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarSupportedContent"
    aria-controls="navbarSupportedContent" aria-expanded="false" aria-
label="Toggle navigation">
    <span class="lnr lnr-menu"></span>
  </button>

  <div class="collapse navbar-collapse justify-content-end align-items-
center" id="navbarSupportedContent">
    <ul class="navbar-nav">
      <li><a href="index.html">Home</a></li>
      <li><a href="about.html">About</a></li>
      <li><a href="courses.html">Courses</a></li>
      <!-- Dropdown -->
      <li class="dropdown">
        <a class="dropdown-toggle" href="#" data-toggle="dropdown">
          Pages
        </a>
        <div class="dropdown-menu">

          <a class="dropdown-item" href="course-details.html">Course
Details</a>

          <a class="dropdown-item" href="faculty.html">Faculty Details</a>
          <a class="dropdown-item" href="BOOKS.html">E-Library</a>
          <a class="dropdown-item" href="Lecture.html">Lecture Bank</a>
          <a class="dropdown-item" href="quiz1.html">Quiz</a>
        </div>
      </li>
      <li class="dropdown">
        <a class="dropdown-toggle" href="#" data-toggle="dropdown">Blog</a>
        <div class="dropdown-menu">
          <a class="dropdown-item" href="blog-home.html">Blog Home</a>
          <a class="dropdown-item" href="blog-single.html">Blog Details</a>
        </div>
      </li>
      <li><a href="contacts.html">Contacts</a></li>

      <li>
        <button class="search">
          <span class="lnr lnr-magnifier" id="search"></span>

```

```

        </button>
      </li>
    </ul>
  </div>
</div>
</nav>
<div class="search-input" id="search-input-box">
  <div class="container">
    <form class="d-flex justify-content-between">
      <input type="text" class="form-control" id="search-input"
placeholder="Search Here" />
      <button type="submit" class="btn"></button>
      <span class="lnr lnr-cross" id="close-search" title="Close
Search"></span>
    </form>
  </div>
</div>
</header>
<!-- ===== End Header Area ===== -->

<!-- ===== start banner Area ===== -->
<section class="home-banner-area">
  <div class="container">
    <div class="row justify-content-center fullscreen align-items-center">
      <div class="col-lg-5 col-md-8 home-banner-left">
        <h1 class="text-white">
          Education Without Boundaries: <br>Learn Anywhere, Anytime!
        </h1>

      </div>
      <div class="offset-lg-2 col-lg-5 col-md-12 home-banner-right">
        
      </div>
    </div>
  </div>
</section>
<!-- ===== End banner Area ===== -->

<!-- ===== Start Feature Area ===== -->
<section class="feature-area">
  <div class="container-fluid">
    <div class="feature-inner row">
      <div class="col-lg-2 col-md-6">
        <a href="courses.html">
          <div class="feature-item d-flex">

```

```

        <i class="ti-book"></i>
        <div class="ml-20">
            <h4>Virtual Classes</h4>
            <p>
                "Attending academic sessions anywhere, anytime."
            </p>
        </div>
    </div>
</a>
</div>
<div class="col-lg-2 col-md-6">
    <a href="courses.html">
        <div class="feature-item d-flex">
            <i class="ti-cup"></i>
            <div class="ml-20">
                <h4>Top Courses</h4>
                <p>
                    "Quality Education, Exceptional Courses: Join Us on the Journey."

                </p>
            </div>
        </div>
    </a>
</div>
<div class="col-lg-2 col-md-6">
    <a href="BOOKS.html">
        <div class="feature-item d-flex border-right-0">
            <i class="ti-desktop"></i>
            <div class="ml-20">
                <h4>E-Library</h4>
                <p>
                    "Books Without Borders: Welcome to Our E-Library"

                </p>
            </div>
        </div></a>
    </div>
</div>
</div>
</section>
<!-- ===== End Feature Area ===== -->

<!-- ===== Start Popular Course Area ===== -->
<section class="popular-course-area section-gap">
    <div class="container-fluid">

```

```

<div class="row justify-content-center section-title">
  <div class="col-lg-12">
    <center>
      <h2>
        Popular Courses <br />
        Available Right Now
      </h2>
      <p>
        Take the first step towards a brighter future with our highly
recommended courses.
      </p>
    </center>
  </div>
</div>
<div class="owl-carousel popuar-course-carousel">
  <div class="single-popular-course">
    <div class="thumb">
      
    </div>
    <div class="details">
      <div class="d-flex justify-content-between mb-20">
        <p class="name">Bachelor of Technology</p>
        <p class="value">Rs.150000</p>
      </div>
      <a href="#">
        <h4>Empower Your Engineering Dreams: BTech - Where Innovation Meets
Passion.
        </h4>
      </a>
      <div class="bottom d-flex mt-15">
        <ul class="list">
          <li>
            <a href="#"><i class="fa fa-star"></i></a>
          </li>
          <li>
            <a href="#"><i class="fa fa-star"></i></a>
          </li>
          <li>
            <a href="#"><i class="fa fa-star"></i></a>
          </li>
          <li>
            <a href="#"><i class="fa fa-star"></i></a>
          </li>
          <li>
            <a href="#"><i class="fa fa-star"></i></a>
          </li>
        </ul>
      </div>
    </div>
  </div>

```

```

        <a href="#"><i class="fa fa-star"></i></a>
    </li>
</ul>
<p class="ml-20">8725 Reviews</p>
</div>
</div>
</div>

<div class="single-popular-course">
    <div class="thumb">
        
    </div>
    <div class="details">
        <div class="d-flex justify-content-between mb-20">
            <p class="name">Master of Technology</p>
            <p class="value">Rs.250000</p>
        </div>
        <a href="#">
            <h4>Where Passion Meets Precision: MTech - Crafting Leaders,
Engineering Dreams.
            </h4>
        </a>
        <div class="bottom d-flex mt-15">
            <ul class="list">
                <li>
                    <a href="#"><i class="fa fa-star"></i></a>
                </li>
                <li>
                    <a href="#"><i class="fa fa-star"></i></a>
                </li>
                <li>
                    <a href="#"><i class="fa fa-star"></i></a>
                </li>
                <li>
                    <a href="#"><i class="fa fa-star"></i></a>
                </li>
                <li>
                    <a href="#"><i class="fa fa-star"></i></a>
                </li>
            </ul>
            <p class="ml-20">2895 Reviews</p>
        </div>
    </div>
</div>

```

```

<div class="single-popular-course">
  <div class="thumb">
    
  </div>
  <div class="details">
    <div class="d-flex justify-content-between mb-20">
      <p class="name">Bachelor of Computer Applications</p>
      <p class="value">Rs.180000</p>
    </div>
    <a href="#">
      <h4>BCA: Bridging the Gap Between Ideas and Implementation.
      </h4>
    </a>
    <div class="bottom d-flex mt-15">
      <ul class="list">
        <li>
          <a href="#"><i class="fa fa-star"></i></a>
        </li>
        <li>
          <a href="#"><i class="fa fa-star"></i></a>
        </li>
        <li>
          <a href="#"><i class="fa fa-star"></i></a>
        </li>
        <li>
          <a href="#"><i class="fa fa-star"></i></a>
        </li>
        <li>
          <a href="#"><i class="fa fa-star"></i></a>
        </li>
      </ul>
      <p class="ml-20">7825 Reviews</p>
    </div>
  </div>
</div>

<div class="single-popular-course">
  <div class="thumb">
    
  </div>
  <div class="details">
    <div class="d-flex justify-content-between mb-20">

```

```

        <p class="name">Master of Computer Applications</p>
        <p class="value">Rs.250000</p>
    </div>
    <a href="#">
        <h4>Mastering the Code of Tomorrow: MCA - Empowering Minds, Shaping
Futures.
        </h4>
    </a>
    <div class="bottom d-flex mt-15">
        <ul class="list">
            <li>
                <a href="#"><i class="fa fa-star"></i></a>
            </li>
            <li>
                <a href="#"><i class="fa fa-star"></i></a>
            </li>
            <li>
                <a href="#"><i class="fa fa-star"></i></a>
            </li>
            <li>
                <a href="#"><i class="fa fa-star"></i></a>
            </li>
            <li>
                <a href="#"><i class="fa fa-star"></i></a>
            </li>
            <li>
                <a href="#"><i class="fa fa-star"></i></a>
            </li>
        </ul>
        <p class="ml-20">2500 Reviews</p>
    </div>
</div>
</div>
</div>
</div>
</section>
<!-- ===== End Popular Course Area ===== -->

<!-- ===== Start Video Area ===== -->
<section class="video-area section-gap-bottom">
    <div class="container">
        <div class="row align-items-center">
            <div class="col-lg-5">
                <div class="section-title text-white">
                    <h2 class="text-white">
                        Watch Our Trainers <br>
                        in Live Action
                    </h2>

```



```
<p>
    We offer a comprehensive array of features designed to facilitate
accessible,
    engaging, and personalized learning experiences
</p>
</div>
</div>
<div class="offset-lg-1 col-md-6 video-left">
    <div class="owl-carousel video-carousel">
        <div class="single-video">
            <div class="video-part">
                <video class="img-fluid" src="2086113-hd_1920_1080_30fps.mp4"
alt="">

                <div class="overlay"></div>
                <a class="popup-youtube play-btn"
href="https://www.youtube.com/watch?v=VuFDd-QL1c0">
                    
                </a>
            </div>

        </div>

        <div class="single-video">
            <div class="video-part">
                <video class="img-fluid" src="6209572-uhd_4096_2160_25fps.mp4"
alt="">

                <div class="overlay"></div>
                <a class="popup-youtube play-btn"
href="https://www.youtube.com/watch?v=VuFDd-QL1c0">
                    
                </a>
            </div>

        </div>
    </div>
</div>
</section>
<!-- ===== End Video Area ===== -->

<!-- ===== Start Feature Area ===== -->
<section class="other-feature-area">
    <div class="container">
        <div class="feature-inner row">
```

```

<div class="col-lg-12">
  <div class="section-title text-left">
    <h2>
      Features That <br />
      Can Avail By Everyone
    </h2>
    <p>
      We offer a comprehensive array of features designed to facilitate
accessible, engaging, and personalized learning experiences.
    </p>
  </div>
</div>
<div class="col-lg-4 col-md-6">
  <div class="other-feature-item">
    <i class="ti-key"></i>
    <h4>Lifetime Access</h4>
    <div>
      <p>
        We offer the invaluable benefit of lifetime access to its vast
repository of educational resources.
        This feature ensures that once users enroll in a course or
program, they gain perpetual access to the materials,
        enabling them to revisit concepts, refresh their knowledge, or
delve deeper into topics of interest at their own
        pace. With lifetime access, learners can accommodate their busy
schedules, allowing for flexible learning without the pressure of time
constraints.
      </p>
    </div>
  </div>
</div>
<div class="col-lg-4 col-md-6 mt--160">
  <div class="other-feature-item">
    <i class="ti-files"></i>
    <h4>Source File Included</h4>
    <div>
      <p>
        This feature typically provides access to the original files used
to create learning
        materials such as presentations, documents, or multimedia
content. By offering these files,
        e-learning platforms empower users to delve deeper into the
subject matter,
        customize content to suit their learning preferences, and even
create derivative works for educational purposes.
      </p>
    </div>
  </div>
</div>

```

Additionally, access to source files fosters transparency and trust between the platform and its users,
as it demonstrates a commitment to sharing knowledge openly.

```
</p>
</div>
</div>
</div>
<div class="col-lg-4 col-md-6 mt--260">
  <div class="other-feature-item">
    <i class="ti-medall-alt"></i>
    <h4>Student Membership</h4>
    <div>
      <p>
        Joining as a student member on our website opens the gateway to a world of knowledge and opportunity.
        Our platform fosters a dynamic learning environment where students can engage with peers,
        collaborate on projects, and receive personalized feedback from instructors.
        From academic subjects to professional development courses, our extensive
        library covers a wide range of topics to support students at every stage of their educational journey.
```

```
</p>
</div>
</div>
</div>
<div class="col-lg-4 col-md-6">
  <div class="other-feature-item">
    <i class="ti-briefcase"></i>
    <h4>Academic Courses</h4>
    <div>
      <p>
        Our expert instructors utilize innovative teaching methods, interactive multimedia resources, and real-world applications to ensure a comprehensive learning experience.
        With the flexibility of self-paced learning and the convenience of accessing materials anytime, anywhere,
        our website empowers individuals to pursue their academic goals on their own terms.
        Join our community today and unlock a world of knowledge at your fingertips.
```

```
</p>
</div>
</div>
```

```

</div>
<div class="col-lg-4 col-md-6 mt--160">
  <div class="other-feature-item">
    <i class="ti-crown"></i>
    <h4>Expert Mentors</h4>
    <div>
      <p>
        One distinguishing feature that sets certain platforms apart is
the provision of expert mentors.
        These mentors, often seasoned professionals or academics in their
respective fields,
        serve as invaluable guides and sources of wisdom for learners
navigating complex subject matter.
        By offering personalized feedback, answering queries, and
providing tailored guidance,
        expert mentors bridge the gap between theory and practice,
enriching the learning experience.
      </p>
    </div>
  </div>
</div>
<div class="col-lg-4 col-md-6 mt--260">
  <div class="other-feature-item">
    <i class="ti-headphone-alt"></i>
    <h4>Live Supports</h4>
    <div>
      <p>
        The live support services offered by our website are
indispensable in
        fostering a dynamic and interactive learning environment.
        Through real-time chat, email, or video conferencing, students
can receive
        immediate assistance from knowledgeable tutors or customer
service representatives.
        This personalized guidance helps clarify doubts,
        resolve technical issues, and enhance comprehension of complex
subjects.
      </p>
    </div>
  </div>
</div>
</div>
</div>
</section>
<!-- ===== End Feature Area ===== -->

```

```

<!-- ===== Start Testimonials Area ===== -->
<section class="testimonials-area section-gap">
  <div class="container">
    <div class="testi-slider owl-carousel" data-slider-id="1">
      <div class="row align-items-center">
        <div class="col-lg-5">
          <div class="item">
            <div class="testi-item">
              
              <div class="mt-40 text">
                <p>
                  The capacity to learn is a gift; the ability to learn is a
skill;
                  the willingness to learn is a choice.

                </p>
              </div>
              <h4>Brian Herbert</h4>
            </div>
          </div>
          <div class="offset-lg-1 col-lg-6">
            
          </div>
        </div>
        <div class="row align-items-center">
          <div class="col-lg-5">
            <div class="item">
              <div class="testi-item">
                
                <div class="mt-40 text">
                  <p>
                    As conscious traveling Paup ers we must always be oncerned
                    about our dear Mother Earth. If you think about it, you
                    travel across her face <br />
                    and She is the host to your journey.
                  </p>
                </div>
                <h4>Fanny Spencer</h4>
                <p>Chief Executive, Amazon</p>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>

```

```

        </div>
    </div>
</div>

    <div class="offset-lg-1 col-lg-6">
        
    </div>
</div>
</div>
</div>
</section>
<!-- ===== End Testimonials Area ===== -->

<!-- ===== Start Registration Area ===== -->
<section class="registration-area">
    <div class="container">
        <div class="row align-items-end">
            <div class="col-lg-5">
                <div class="section-title text-left text-white">
                    <h2 class="text-white">
                        Watch Our Trainers <br>
                        in Live Action
                    </h2>
                    <p>
                        We offer a comprehensive array of features designed to facilitate
accessible,
                        engaging, and personalized learning experiences.

                    </p>
                </div>
            </div>
            <div class="offset-lg-3 col-lg-4 col-md-6">
                <div class="course-form-section">
                    <h3 class="text-white">Courses for Free</h3>
                    <p class="text-white">It is high time for learning</p>
                    <form class="course-form-area contact-page-form course-form text-
right" id="myForm" action="mail.html" method="post">
                        <div class="form-group col-md-12">
                            <input type="text" class="form-control" id="name" name="name"
placeholder="Name" onfocus="this.placeholder = ''"
onblur="this.placeholder = 'Name'">
                        </div>
                        <div class="form-group col-md-12">
                            <input type="text" class="form-control" id="subject"
name="subject" placeholder="Phone Number" onfocus="this.placeholder = ''"

```

```

        onblur="this.placeholder = 'Phone Number'">
    </div>
    <div class="form-group col-md-12">
        <input type="email" class="form-control" id="email" name="email"
placeholder="Email Address" onfocus="this.placeholder = ''"
        onblur="this.placeholder = 'Email Address'">
    </div>
    <div class="col-lg-12 text-center">
        <button class="btn text-uppercase">Submit</button>
    </div>
</form>
</div>
</div>
</div>
</section>
<!-- ===== End Registration Area ===== -->

<!-- ===== Start Blog Post Area ===== -->
<section class="blog-post-area section-gap">
    <div class="container-fluid">
        <div class="feature-inner row">
            <div class="col-lg-12">
                <div class="section-title text-left">
                    <h2>
                        Features That <br />
                        Can Avail By Our Students
                    </h2>
                    <p>
                        There is a moment in the life of any aspiring astronomer that it is
time to buy that first telescope.
                        It's exciting to think about setting up your own viewing station.
                    </p>
                </div>
            </div>
            <div class="col-lg-4 col-md-6">
                <div class="single-blog-post">
                    
                    <div class="overlay"></div>
                    <div class="top-text">
                        <p>29th, oct, 2018</p>
                        <p>12109 likes</p>
                        <p>455 comments</p>
                    </div>
                    <div class="text">

```

```

        <h4 class="text-white">Academic Courses</h4>
        <div>
            <p>
                Popular academic courses provided by our website.
            </p>
        </div>
        <a href="#" class="primary-btn">
            View Details
            <i class="fa fa-long-arrow-right"></i>
        </a>
    </div>
</div>
<div class="col-lg-4 col-md-6 mt--160">
    <div class="single-blog-post">
        
        <div class="overlay"></div>
        <div class="top-text">
            <p>29th, oct, 2018</p>
            <p>2221 likes</p>
            <p>905 comments</p>
        </div>
        <div class="text">
            <h4 class="text-white">Major Projects</h4>
            <div>
                <p>
                    Major Projects developed by our students during their academic
                    year.
                </p>
            </div>
            <a href="#" class="primary-btn">
                View Details
                <i class="fa fa-long-arrow-right"></i>
            </a>
        </div>
    </div>
</div>
<div class="col-lg-4 col-md-6 mt--260">
    <div class="single-blog-post">
        
        <div class="overlay"></div>
        <div class="top-text">
            <p>29th, oct, 2018</p>
            <p>87121 likes</p>
            <p>9005 comments</p>
        </div>
    </div>
</div>

```



```

    </div>
    <div class="text">
      <h4 class="text-white">Seminars and webinars</h4>
      <div>
        <p>
          Seminars and webinars that put value to our students career.
        </p>
      </div>
      <a href="#" class="primary-btn">
        View Details
        <i class="fa fa-long-arrow-right"></i>
      </a>
    </div>
  </div>
</div>
</div>
</div>
</section>
<!-- ===== End Blog Post Area ===== -->

<!-- ===== start footer Area ===== -->
<footer class="footer-area section-gap">
  <div class="container">
    <div class="row">
      <div class="col-lg-2 col-md-6 single-footer-widget">
        <h4>Top Products</h4>
        <ul>
          <li><a href="#">Managed Website</a></li>
          <li><a href="#">Manage Reputation</a></li>
          <li><a href="#">Power Tools</a></li>
          <li><a href="#">Marketing Service</a></li>
        </ul>
      </div>
      <div class="col-lg-2 col-md-6 single-footer-widget">
        <h4>Quick Links</h4>
        <ul>
          <li><a href="#">Jobs</a></li>
          <li><a href="#">Brand Assets</a></li>
          <li><a href="#">Investor Relations</a></li>
          <li><a href="#">Terms of Service</a></li>
        </ul>
      </div>
      <div class="col-lg-2 col-md-6 single-footer-widget">
        <h4>Features</h4>
        <ul>

```

```

        <li><a href="#">Jobs</a></li>
        <li><a href="#">Brand Assets</a></li>
        <li><a href="#">Investor Relations</a></li>
        <li><a href="#">Terms of Service</a></li>
    </ul>
</div>
<div class="col-lg-2 col-md-6 single-footer-widget">
    <h4>Resources</h4>
    <ul>
        <li><a href="#">Guides</a></li>
        <li><a href="#">Research</a></li>
        <li><a href="#">Experts</a></li>
        <li><a href="#">Agencies</a></li>
    </ul>
</div>
<div class="col-lg-4 col-md-6 single-footer-widget">
    <h4>Newsletter</h4>
    <p>You can trust us. we only send promo offers,</p>
    <div class="form-wrap" id="mc_embed_signup">
        <form target="_blank" action="https://spondonit.us12.list-
manage.com/subscribe/post?u=1462626880ade1ac87bd9c93a&id=92a4423d01"
        method="get" class="form-inline">
            <input class="form-control" name="EMAIL" placeholder="Your Email
Address" onfocus="this.placeholder = ''" onblur="this.placeholder = 'Your Email
Address '"
                required="" type="email">
            <button class="click-btn btn btn-default text-
uppercase">subscribe</button>
            <div style="position: absolute; left: -5000px;">
                <input name="b_36c4fd991d266f23781ded980_aefe40901a" tabindex="-
1" value="" type="text">
            </div>

            <div class="info"></div>
        </form>
    </div>
</div>
<div class="footer-bottom row align-items-center">
    <p class="footer-text m-0 col-lg-8 col-md-12">
<!-- Link back to Colorlib can't be removed. Template is licensed under CC BY
3.0. -->
    Copyright &copy;<script>document.write(new Date().getFullYear());</script> All
rights reserved | This template is made with <i class="fa fa-heart-o" aria-
hidden="true"></i> by <a href="index.html" target="_blank">Cloud Campus</a>

```

```

<!-- Link back to Colorlib can't be removed. Template is licensed under CC BY
3.0. --></p>
    <div class="col-lg-4 col-md-12 footer-social">
        <a href="#"><i class="fa fa-facebook"></i></a>
        <a href="#"><i class="fa fa-twitter"></i></a>
        <a href="#"><i class="fa fa-dribbble"></i></a>
        <a href="#"><i class="fa fa-behance"></i></a>
    </div>
</div>
</div>
</footer>
<!-- ===== End footer Area ===== -->

<script src="js/vendor/jquery-2.2.4.min.js"></script>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.11.0/umd/popper.min.js"
integrity="sha384-
b/U6ypiBEHpOf/4+1nzFpr53nxSS+GLCKfwbDfNtXtclqgenISfwAzpKaMNFNmj4"
crossorigin="anonymous"></script>
<script src="js/vendor/bootstrap.min.js"></script>
<script type="text/javascript"
src="https://maps.googleapis.com/maps/api/js?key=AIzaSyBh0dIF3Y9382fqJYt5I_sswSrE
w5eihAA"></script>
<script src="js/jquery.ajaxchimp.min.js"></script>
<script src="js/jquery.magnific-popup.min.js"></script>
<script src="js/parallax.min.js"></script>
<script src="js/owl.carousel.min.js"></script>
<script src="js/jquery.sticky.js"></script>
<script src="js/hexagons.min.js"></script>
<script src="js/jquery.counterup.min.js"></script>
<script src="js/waypoints.min.js"></script>
<script src="js/jquery.nice-select.min.js"></script>
<script src="js/main.js"></script>
</body>

</html>

```

COURSE DETAILS PAGE

```
<!DOCTYPE html>
<html lang="zxx" class="no-js">

<head>
    <!-- Mobile Specific Meta -->
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-
to-fit=no" />
    <!-- Favicon -->
    <link rel="shortcut icon" href="img/fav.png" />
    <!-- Author Meta -->
    <meta name="author" content="colorlib" />
    <!-- Meta Description -->
    <meta name="description" content="" />
    <!-- Meta Keyword -->
    <meta name="keywords" content="" />
    <!-- meta character set -->
    <meta charset="UTF-8" />
    <!-- Site Title -->
    <title>Faculty Details</title>

    <link
href="https://fonts.googleapis.com/css?family=Playfair+Display:900|Roboto:400,400
i,500,700" rel="stylesheet" />
    <!--
    CSS
    =====
-->
    <link rel="stylesheet" href="css/linearicons.css" />
    <link rel="stylesheet" href="css/font-awesome.min.css" />
    <link rel="stylesheet" href="css/bootstrap.css" />
    <link rel="stylesheet" href="css/magnific-popup.css" />
    <link rel="stylesheet" href="css/owl.carousel.css" />
    <link rel="stylesheet" href="css/nice-select.css">
    <link rel="stylesheet" href="css/hexagons.min.css" />
    <link rel="stylesheet" href="https://cdn.jsdelivr.net/themify-
icons/0.1.2/css/themify-icons.css" />
    <link rel="stylesheet" href="css/main.css" />
</head>

<body>
    <!-- ===== Start Header Area ===== -->
    <header class="default-header">
        <nav class="navbar navbar-expand-lg navbar-light">
```

```

        <div class="container">
            <a class="navbar-brand" href="index.html">
                
            </a>
            <button class="navbar-toggler" type="button" data-
toggle="collapse" data-target="#navbarSupportedContent"
                aria-controls="navbarSupportedContent" aria-expanded="false"
aria-label="Toggle navigation">
                <span class="lnr lnr-menu"></span>
            </button>

            <div class="collapse navbar-collapse justify-content-end align-
items-center" id="navbarSupportedContent">
                <ul class="navbar-nav">
                    <li><a href="index.html">Home</a></li>
                    <li><a href="about.html">About</a></li>
                    <li><a href="courses.html">Courses</a></li>
                    <!-- Dropdown -->
                    <li class="dropdown">
                        <a class="dropdown-toggle" href="#" data-
toggle="dropdown">
                            Pages
                        </a>
                        <div class="dropdown-menu">

                            <a class="dropdown-item" href="course-
details.html">Course Details</a>
                            <a class="dropdown-item"
href="faculty.html">Faculty Details</a>
                            <a class="dropdown-item" href="BOOKS.html">E-
Library</a>
                            <a class="dropdown-item"
href="Lecture.html">Lecture Bank</a>
                            <a class="dropdown-item" href="quiz1.html">Quiz</a>
                        </div>
                    </li>
                    <li class="dropdown">
                        <a class="dropdown-toggle" href="#" data-
toggle="dropdown">
                            Blog
                        </a>
                        <div class="dropdown-menu">
                            <a class="dropdown-item" href="blog-
home.html">Blog Home</a>

```

```

        <a class="dropdown-item" href="blog-
single.html">Blog Details</a>
    </div>
</li>
<li><a href="contacts.html">Contacts</a></li>

<li>
    <button class="search">
        <span class="lnr lnr-magnifier"
id="search"></span>
    </button>
</li>
</ul>
</div>
</div>
</nav>

</header>
<!-- ===== End Header Area ===== -->

<!-- ===== start banner Area ===== -->
<section class="banner-area">
    <div class="container">
        <div class="row justify-content-center align-items-center">
            <div class="col-lg-12 banner-right">
                <h1 class="text-white">
                    Courses
                </h1>
                <p class="mx-auto text-white mt-20 mb-40">
                    One distinguishing feature that sets certain platforms apart is
the provision of expert mentors.<br>
                    These mentors, often seasoned professionals or academics in their
respective fields,
                    serve<br> as invaluable guides and sources of wisdom for
learners navigating complex subject matter.
                </p>
            </div>
        </div>
    </div>
</section><br><br>
<!-- ===== End banner Area ===== -->

<!-- ===== Start Feature Area ===== -->
<section class="feature-area">
    <div class="container-fluid">

```

```

<div class="feature-inner row">
  <div class="col-lg-2 col-md-6">
    <div class="feature-item d-flex">
      <i class="ti-book"></i>
      <div class="ml-20">
        <h4>Virtual Classes</h4>
        <p>
          "Attending academic sessions anywhere,anytime."
        </p>
      </div>
    </div>
  </div>
  <div class="col-lg-2 col-md-6">
    <div class="feature-item d-flex">
      <i class="ti-cup"></i>
      <div class="ml-20">
        <h4>Top Courses</h4>
        <p>
          "Quality Education, Exceptional Courses: Join Us on the Journey."
        </p>
      </div>
    </div>
  </div>
  <div class="col-lg-2 col-md-6">
    <div class="feature-item d-flex border-right-0">
      <i class="ti-desktop"></i>
      <div class="ml-20">
        <h4>E-Library</h4>
        <p>
          "Books Without Borders: Welcome to Our E-Library"
        </p>
      </div>
    </div>
  </div>
</div>
</section>
<!-- ===== End Feature Area ===== -->

<!-- ===== Start Popular Course Area ===== -->
<section class="popular-course-area section-gap">
  <div class="container-fluid">
    <div class="row justify-content-center section-title">

```

```

<div class="col-lg-12">
  <center> <h2>
    Popular Courses <br />
    Available Right Now
  </h2>
  <p>
    Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed do
    eiusmod tempor incididunt ut labore et dolore magna aliqua.
  </p></center>
</div>
</div>
<section id="product1" class="section-p1">
  <h2>COURSES</h2>

  <div class="pro-container">
    <div class="pro">
      <a href="BTECH.html">
        
        <div class="des">
          <span>BACHELOR OF TECHNOLOGY</span>
          <h5>Empower Your Engineering Dreams: BTech - Where Innovation
Meets Passion.</h5>
        </div>
      </a>
    </div>
    <div class="pro">
      <a href="4thmtech.html">
        
        <div class="des">
          <span>MASTER OF TECHNOLOGY</span>
          <h5>Where Passion Meets Precision: MTech - Crafting Leaders,
Engineering Dreams.</h5>
        </div>
      </a>
    </div>
    <div class="pro">
      <a href="4bca.html">
        
        <div class="des">
          <span>BACHELOR OF COMPUTER APPLICATION</span>
          <h5>BCA: Bridging the Gap Between Ideas and Implementation.</h5>
        </div>
      </a>
    </div>
  </div>

```



```

        </a>
    </div>
    <div class="pro">
        <a href="4thmca.html">
            
            <div class="des">
                <span>MASTER OF COMPUTER APPLICATION</span>
                <h5>Mastering the Code of Tomorrow: MCA - Empowering Minds, Shaping
Futures.</h5>
            </div>
        </a>
    </div>
</div>

</div>
</div>
</section>
<!-- ===== End Popular Course Area ===== -->

<!-- ===== Start Registration Area ===== -->
<section class="registration-area">
    <div class="container">
        <div class="row align-items-end">
            <div class="col-lg-5">
                <div class="section-title text-left text-white">
                    <h2 class="text-white">
                        Watch Our Trainers <br>
                        in Live Action
                    </h2>
                <p>
                    If you are looking at blank cassettes on the web, you may be
                    very confused at the difference in price. You may see some for
                    as low as $.17 each.
                </p>
            </div>
            <div class="offset-lg-3 col-lg-4 col-md-6">
                <div class="course-form-section">
                    <h3 class="text-white">Courses for Free</h3>
                    <p class="text-white">It is high time for learning</p>
                    <form class="course-form-area contact-page-form course-form text-
right" id="myForm" action="mail.html" method="post">
                        <div class="form-group col-md-12">

```

```

        <input type="text" class="form-control" id="name" name="name"
placeholder="Name" onfocus="this.placeholder = ''"
        onblur="this.placeholder = 'Name'">
    </div>
    <div class="form-group col-md-12">
        <input type="text" class="form-control" id="subject"
name="subject" placeholder="Phone Number" onfocus="this.placeholder = ''"
        onblur="this.placeholder = 'Phone Number'">
    </div>
    <div class="form-group col-md-12">
        <input type="email" class="form-control" id="email" name="email"
placeholder="Email Address" onfocus="this.placeholder = ''"
        onblur="this.placeholder = 'Email Address'">
    </div>
    <div class="col-lg-12 text-center">
        <button class="btn text-uppercase">Submit</button>
    </div>
</form>
</div>
</div>
</div>
</div>
</section>
<!-- ===== End Registration Area ===== -->

<!-- ===== Start Feature Area ===== -->
<section class="other-feature-area">
    <div class="container">
        <div class="feature-inner row">
            <div class="col-lg-12">
                <div class="section-title text-left">
                    <h2>
                        Features That <br />
                        Can Avail By Everyone
                    </h2>
                    <p>
                        We offer a comprehensive array of features designed to facilitate
accessible,
                        engaging, and personalized learning experiences.
                    </p>
                </div>
            </div>
            <div class="col-lg-4 col-md-6">
                <div class="other-feature-item">
                    <i class="ti-key"></i>

```

```

<h4>Lifetime Access</h4>
<div>
  <p>
    We offer the invaluable benefit of lifetime access to its vast
    repository of educational resources.
    This feature ensures that once users enroll in a course or
    program,
    they gain perpetual access to the materials, enabling them to
    revisit concepts,
    refresh their knowledge, or delve deeper into topics of
    interest at their own pace.
    With lifetime access, learners can accommodate their busy
    schedules,
    allowing for flexible learning without the pressure of time
    constraints.
  </p>
</div>
</div>
</div>
<div class="col-lg-4 col-md-6 mt--160">
  <div class="other-feature-item">
    <i class="ti-files"></i>
    <h4>Source File Included</h4>
    <div>
      <p>
        This feature typically provides access to the original files used
        to create learning
        materials such as presentations, documents, or multimedia
        content. By offering these files,
        e-learning platforms empower users to delve deeper into the
        subject matter,
        customize content to suit their learning preferences, and even
        create derivative works for educational purposes.
        Additionally, access to source files fosters transparency and
        trust between the platform and its users,
        as it demonstrates a commitment to sharing knowledge openly.
      </p>
    </div>
  </div>
</div>
<div class="col-lg-4 col-md-6 mt--260">
  <div class="other-feature-item">
    <i class="ti-medall-alt"></i>
    <h4>Student Membership</h4>
    <div>

```

```

    <p>
        Joining as a student member on our website opens the gateway to a
world of knowledge and opportunity.
        Our platform fosters a dynamic learning environment where
students can engage with peers,
        collaborate on projects, and receive personalized feedback from
instructors.
        From academic subjects to professional development courses, our
extensive
        library covers a wide range of topics to support students at
every stage of their educational journey.
    </p>
</div>
</div>
</div>
<div class="col-lg-4 col-md-6">
    <div class="other-feature-item">
        <i class="ti-briefcase"></i>
        <h4>Academic Courses</h4>
    <div>
        <p>
            Our expert instructors utilize innovative teaching methods,
            interactive multimedia resources, and real-world applications to
ensure a comprehensive learning experience.
            With the flexibility of self-paced learning and the convenience
of accessing materials anytime, anywhere,
            our website empowers individuals to pursue their academic goals
on their own terms.
            Join our community today and unlock a world of knowledge at your
fingertips.
        </p>
    </div>
</div>
</div>
<div class="col-lg-4 col-md-6 mt--160">
    <div class="other-feature-item">
        <i class="ti-crown"></i>
        <h4>Expert Mentors</h4>
    <div>
        <p>
            One distinguishing feature that sets certain platforms apart is
the provision of expert mentors.
            These mentors, often seasoned professionals or academics in
their respective fields,

```

serve as invaluable guides and sources of wisdom for learners navigating complex subject matter.

By offering personalized feedback, answering queries, and providing tailored guidance,

expert mentors bridge the gap between theory and practice, enriching the learning experience.

</p>

</div>

</div>

</div>

<div class="col-lg-4 col-md-6 mt--260">

<div class="other-feature-item">

<i class="ti-headphone-alt"></i>

<h4>Live Supports</h4>

<div>

<p>

The live support services offered by our website are indispensable in

fostering a dynamic and interactive learning environment.

Through real-time chat, email, or video conferencing, students can receive

immediate assistance from knowledgeable tutors or customer service representatives.

This personalized guidance helps clarify doubts,

resolve technical issues, and enhance comprehension of complex subjects.

</p>

</div>

</div>

</div>

</div>

</div>

</section>

<!-- ===== End Feature Area ===== -->

<!-- ===== start footer Area ===== -->

<footer class="footer-area section-gap">

<div class="container">

<div class="row">

<div class="col-lg-2 col-md-6 single-footer-widget">

<h4>Top Products</h4>

Managed Website

Manage Reputation

Power Tools

```

        <li><a href="#">Marketing Service</a></li>
    </ul>
</div>
<div class="col-lg-2 col-md-6 single-footer-widget">
    <h4>Quick Links</h4>
    <ul>
        <li><a href="#">Jobs</a></li>
        <li><a href="#">Brand Assets</a></li>
        <li><a href="#">Investor Relations</a></li>
        <li><a href="#">Terms of Service</a></li>
    </ul>
</div>
<div class="col-lg-2 col-md-6 single-footer-widget">
    <h4>Features</h4>
    <ul>
        <li><a href="#">Jobs</a></li>
        <li><a href="#">Brand Assets</a></li>
        <li><a href="#">Investor Relations</a></li>
        <li><a href="#">Terms of Service</a></li>
    </ul>
</div>
<div class="col-lg-2 col-md-6 single-footer-widget">
    <h4>Resources</h4>
    <ul>
        <li><a href="#">Guides</a></li>
        <li><a href="#">Research</a></li>
        <li><a href="#">Experts</a></li>
        <li><a href="#">Agencies</a></li>
    </ul>
</div>
<div class="col-lg-4 col-md-6 single-footer-widget">
    <h4>Newsletter</h4>
    <p>You can trust us. we only send promo offers,</p>
    <div class="form-wrap" id="mc_embed_signup">
        <form target="_blank" action="https://spondonit.us12.list-
manage.com/subscribe/post?u=1462626880ade1ac87bd9c93a&id=92a4423d01"
        method="get" class="form-inline">
            <input class="form-control" name="EMAIL" placeholder="Your Email
Address" onfocus="this.placeholder = ''" onblur="this.placeholder = 'Your Email
Address '"
                required="" type="email">
            <button class="click-btn btn btn-default text-
uppercase">subscribe</button>
            <div style="position: absolute; left: -5000px;">

```

```

        <input name="b_36c4fd991d266f23781ded980_aefe40901a" tabindex="-
1" value="" type="text">
    </div>

    <div class="info"></div>
</form>
</div>
</div>
<div class="footer-bottom row align-items-center">
    <p class="footer-text m-0 col-lg-8 col-md-12">
<!-- Link back to Colorlib can't be removed. Template is licensed under CC BY
3.0. -->
Copyright &copy;<script>document.write(new Date().getFullYear());</script> All
rights reserved | This template is made with <i class="fa fa-heart-o" aria-
hidden="true"></i> by <a href="index.html" target="_blank">Cloud Campus</a>
<!-- Link back to Colorlib can't be removed. Template is licensed under CC BY
3.0. --></p>
    <div class="col-lg-4 col-md-12 footer-social">
        <a href="#"><i class="fa fa-facebook"></i></a>
        <a href="#"><i class="fa fa-twitter"></i></a>
        <a href="#"><i class="fa fa-dribbble"></i></a>
        <a href="#"><i class="fa fa-behance"></i></a>
    </div>
</div>
</div>
</footer>
<!-- ===== End footer Area ===== -->

<script src="js/vendor/jquery-2.2.4.min.js"></script>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.11.0/umd/popper.min.js"
integrity="sha384-
b/U6ypiBEHpOf/4+1nzFpr53nxSS+GLCKfwBdFNTxtclqqenISfwAzpKaMNFNmj4"
crossorigin="anonymous"></script>
<script src="js/vendor/bootstrap.min.js"></script>
<script type="text/javascript"
src="https://maps.googleapis.com/maps/api/js?key=AIzaSyBhOdIF3Y9382fqJYt5I_sswSrE
w5eihAA"></script>
<script src="js/jquery.ajaxchimp.min.js"></script>
<script src="js/jquery.magnific-popup.min.js"></script>
<script src="js/parallax.min.js"></script>
<script src="js/owl.carousel.min.js"></script>
<script src="js/jquery.sticky.js"></script>
<script src="js/hexagons.min.js"></script>

```

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