

**PDPM Indian Institute of Information Technology, Design and Manufacturing Jabalpur**

**PR – 301 Project**

Topic: An e-Learning Marketplace (eLearn)

Mentor: Dr. Pritee Khanna

Submitted by:

1. Priyesh Markam (20BCS165)
2. Shivam Patidar (20BCS207)
3. Siddhant Meshram (20BCS213)
4. Siddharth Bharti (20BCS214)
5. Smeet Chavan (20BCS217)

**Introduction: -**

An e-learning marketplace is an online platform that brings together learners and instructors to share knowledge and skills. It provides a space where learners can access courses on various topics and levels of complexity, and instructors can share their expertise and monetize their skills.

E-learning marketplaces have gained popularity in recent years due to their accessibility, flexibility, and cost-effectiveness. Learners can access the courses from anywhere in the world, at any time, using a device with an internet connection. Instructors can reach a broader audience and monetize their skills without the overhead costs of a physical classroom.

E-learning marketplaces offer a variety of courses, ranging from academic subjects to personal and professional development. They provide learners with the ability to learn at their own pace, track their progress, and interact with instructors and peers. Overall, e-learning marketplaces offer a modern, flexible, and convenient approach to learning that is tailored to the needs and preferences of learners and instructors alike.

**Roles: -**

**Student: -**

1. Signup/Login into the platform.
2. Browse courses.
3. Enrol in free courses.
4. Enrol in Paid courses with payment gateway.
5. “Mark as completed” a video lecture.
6. Submit Feedback.

**Instructor: -**

1. Publish a course

2. Create, Update and Delete video lectures.

3. Set price for paid courses.

3. Rearrange video lectures.

4. Receive revenue.

**Technologies: -**

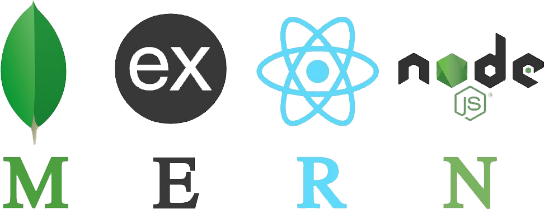
An e-learning marketplace using the MERN (MongoDB, Express.js, React, and Node.js) stack, Tailwind CSS AWS (Amazon Web Services), and Stripe payment gateway can be a powerful tool for creating a robust and scalable e-learning platform.

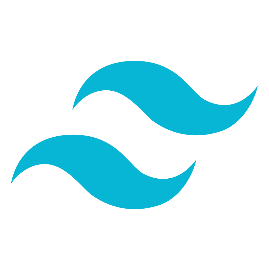
The MERN stack provides a full-stack development environment that is well-suited to building web applications. MongoDB, a NoSQL database, is ideal for storing large volumes of data, while Express.js provides a framework for building web applications. React is a popular JavaScript library for building user interfaces, while Node.js is a server-side JavaScript runtime that allows for building fast, scalable, and efficient applications.

Tailwind CSS is a utility-first CSS framework that enables developers to design responsive and customizable user interfaces. It provides pre-defined CSS classes that can be combined to create a unique style for the application.

AWS provides cloud-based services that can be used to host and manage the e-learning platform. AWS provides tools for hosting, scaling, and securing web applications. It also offers various data storage services, including Amazon S3 for storing multimedia files such as videos and images, and Amazon RDS for managing databases.

Stripe is a widely used payment gateway that can be integrated into the e-learning platform to facilitate secure and convenient online payments. With Stripe, learners can easily pay for courses, while educators can receive payments for their courses.

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**Benefits: -**

E-learning marketplaces offer a range of benefits to learners and instructors, including:

1. **Accessibility**: E-learning marketplaces enable learners to access courses from anywhere in the world, at any time, using a device with an internet connection. This allows learners to learn at their own pace and on their own schedule, without the need to attend physical classes.
2. **Cost-effectiveness**: E-learning marketplaces often offer courses at a lower cost than traditional classrooms. This is because e-learning marketplaces have lower overhead costs, such as renting physical classrooms or hiring staff to maintain them.
3. **Flexibility**: E-learning marketplaces offer a variety of courses on various topics and levels of complexity. Learners can choose courses that suit their interests and learning goals, and instructors can create courses that reflect their expertise and passion.
4. **Scalability**: E-learning marketplaces enable instructors to reach a broader audience and monetize their skills without the overhead costs of a physical classroom. This enables instructors to scale their business and provide quality education to a larger number of learners.

Overall, e-learning marketplaces offer a modern, flexible, and convenient approach to learning that is tailored to the needs and preferences of learners and instructors alike. They provide a variety of courses at a lower cost, with flexibility and customization.