

Online Learning Platforms

Problem Statement

2020 saw a sudden rise in the growth of people on the internet, the reason being Covid-19. More people online essentially means more people willing to help communities. Ideas were discussed, stories were narrated, jokes and memes were shared. Of the many meme topics, one that stayed for a while was on Indian educators. How people around the world shared a common experience of being 'saved' by Indian educators at the last moment before exams. How they helped many around the world to gain knowledge at a time when it mattered the most.

Gone are the days when people would stick to the things they are taught in classrooms. Many would rather study something else, many don't understand what they are being taught, some want to get their hands dirty on more practical applications of things, while some would also want to learn something not available in their area.

The problems, though varied, can be tackled by online learning platforms. A place where people can learn things they want to learn, from instructors they understand better from and at their own pace from the comfort of their homes. A place where learning is prioritized beyond teachers, institutions and books. A new way of learning for a new and rapidly changing world.

Learning can be done at remote locations from some of the best subject experts at a reasonable cost. Instructors from around the world help students learn what they know best. Platforms such as these also incentivize teachers as even they can teach according to their way.

Furthermore communities forming on these platforms have students around the world who can help each other with each other's doubts.

Some good examples : Udemy, Coursera

An e-learning platform can benefit from a database management system (DBMS) by improving the organization, accessibility, and security of data. A DBMS can store and manage large amounts of data related to courses, student information, progress tracking, etc. It can provide effective search and retrieval of data, which can help improve the user experience. With a DBMS, an e-learning platform can manage data efficiently, make data-driven decisions, and provide personalized learning experiences to users.

Improves data organization and retrieval for efficient decision-making.

Supports personalized learning experiences through data analysis and student tracking. Provides scalability for handling large amounts of data.

Enhances accessibility by allowing authorized users to access data from anywhere. Ensures data security through authentication and encryption.

This database would contain information of students , like the courses they have purchased, topics they are interested in, wishlist and other basic details. Furthermore it would also contain information regarding instructors like the courses offered by them, subjects they teach ,ratings, their education background etc. Courses on the platform will also naturally be divided according to their respective fields and would contain other relevant data like language offered in, length of course, number of students enrolled , average rating , cost etc.