

ABSTRACT

ONLINE IT COURSES RECOMMENDATION SYSTEM

Project Nature: New Topic

This project presents a Recommender System that recommends technology-related online courses and elective courses for students based on their area of interest and existing knowledge. The system mainly focuses on students and it is also helpful for the educational institutions since it helps to select their elective courses too. Students can enhance their career ability skills by learning courses according to their area of interest.

In this system, we take both freshers and experienced users. While freshers login to the system, we will conduct an examination for these freshers, and we have 2 modes or categories for this exam: medium and basic. After finishing the exam, their result can be evaluated according to their score. Then, based on their score, recommended topics are given to the freshers. Now, for experienced users, we also conduct an examination, and here we also use 2 modes or categories for this exam: medium and advanced. After their exam, according to their scores, they can be categorized into medium and advanced. Then, we will provide recommended topics.

Existing System

Nowadays, there are many courses available for students, and sometimes it is hard for a student to perceive information related to those courses and decide which course to take. This work aims to build a system to suggest online courses to users based on their profile and the similarity with other users. Thus, users will not feel

tired while perceiving information of their interest and will keep engaged and interested to use the system.

Proposed System

The Proposed system deals only with the technology related courses. The courses are selected from the area of Artificial Intelligence, Computer Networks, Software Engineering and Embedded Engineering etc. The goal of online IT courses recommendation system is to recommend the IT related courses for the students according to their area of interest and existing knowledge of their specifications. Since the project works with only the technological courses, the system can work with high speed and provide best performance while recommending the courses. The system is time consuming since learners can find their personalized courses or topics within no time.

MODULES

- 1.ADMIN
- 2.USERS
- 3.TEACHER
- 4.PAYMENT

ADMIN

This admin module is used to manage the full system.

- Registration
- Login

- Add courses
- View users
- Add teachers
- Conduct Examination
- Publishing Result
- Provide recommended topic
- Update
- View teachers
- View feedback

USERS

In this module users is considered as students

- Login
- Registration
- Select courses
- Attend Examination
- View result
- Select teachers
- View recommend topics
- Add feedback

TEACHERS

In this module when the students are qualified the exam they can choose their corresponding teachers.

- Login
- Registration

- View users
- Time scheduling

PAYMENT

In this payment module users can pay their recommended topics fees. for teachers the admin can pay their salaries.