Up-Learn

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Abstract—Nowadays, we as students are facing difficulties in finding a platform which can help them in tackling all the challenges related to academics, projects and solving their doubts online and also related to getting guidance for which course or university to apply or which course/ university is best for him/her based on the preference. So, we have come with a solution of creating a platform which can solve most of the challenges faced by the students. Our proposed solution is a platform that can connect for the thoughts of teachers and students to collide with you and you can interact with the teachers or teachers can interact with users by sending them the connection request. If you are thinking about a new project but want some suggestions along the way our platform is there for you. You can post your project details like project name, project description, project repository. And the other users can like your project and have a discussion on the same. If you are having some questions regarding the academics or want someone to solve your doubt right away, you can post your doubt related to academics and there always will be a person to help you out with the difficulty

Keywords— Academics, Project Repository, Course,University

I. INTRODUCTION

Our project is a platform for the thoughts of teachers and students to collide. If you are thinking about a new project but want some suggestions along the way our platform is there for you. Have some questions regarding the academics or some doubt, our Q&A section will put your questions on display. Oursite helps to give the student's ideas a promising shape and form.Teachers are also able to see how much the students are progressing along the way. Our platform will have different sections for students who wants to go for placements or even higher studies like MS, MTech or MBA. So, our platform will guide them for choosing their respective career path. This application provides guidelines to the students who are at the beginning searching for the courses. Students who are newly entering from secondary education to higher secondary education and above need the complete information about courses so that they can select the right one suits to them. This application allows the students to search for all the necessary information pertaining to the universities they desire. Our mainfocus is to transform a typical e-learning experience into something amazing in which students can spend most of the timedoing what they love. We want to build something for students to up their motivation and get engaged with what they love. Oursite helps to give the student's ideas a promising shape and form.Teachers will also be able track how much work the students have done so far. Creating a platform that can connect students and teachers on a national level. If you are thinking about a newproject but want some suggestions along the way our platform is there for you. Have some questions regarding the academics or some doubt, our Q&A section will put your questions on display. Our site helps to give the student's ideas a promising shape and form.
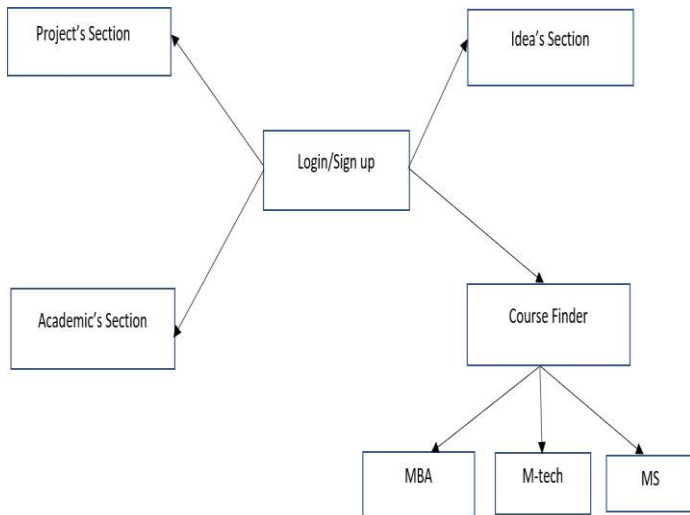
II. LITERATURE SURVEY

In paper[1] titled "My College Finder" by Ankit Karandikar1 , Sameer Kalantre2 , Ajinkya Kohok3 , Deepak Ingale4 , Mrs. Rutuja Kulkarni5 explains the advantages of the college finder application that how this application can be very much convenient for students to find an appropriate college at anytime, anywhere and anywhere in the world just by entering their details of respective field which they want to pursue. This paper identifies and evaluates some algorithms which can be used to create this application.

In paper[2] titled "Collaborative Filtering Recommender Systems" by J. Ben Schafer1, Dan Frankowski2, Jon Herlocker3, and Shilad Sen2 explains how the User based Collaborative Filtering Algorithm can be used to create recommendation systems and how it is effective in creating recommendation systems. This paper has attempted to provide a snapshot of the current understanding of collaborative filtering systems and methods. By necessity, as masses of information become ubiquitously available, collaborative filtering will also become ubiquitous.

In paper[3] titled "College Finder and Recommender Web Application System" by Nishank Samant, Nikhil Manjarekar, Ashwini Mhavarkar, Ashutosh Nagaonkar, Prof. Medha Kulkarni explains how this web based application can be effective and can be monitored and controlled remotely. It reduces the manpower required and provides accurate information. All years together gathered information can be saved and can be accessed at any time. Therefore, the data stored in the repository helps in taking decision by management.So it is better to have a Web Based system.

III. PROPOSED SOLUTION

The proposed system has two different parts , First part which deals with making a platform to connect students and teachers on national level in which we have 3 different sections namely Project section containing projects of different domains in which a user can search projects using the filter option along with the feature of sending friend request and comment sections , Academics section which will have all the information related to academics along with the discussion forum , Q/A section in which there will be discussion based on technical doubts. Second part deals with creating a recommendation system which will help students to find the course and university based on their preferences and it will be done for MBA, MS and MTECH courses.

IV. METHODOLOGY

Our project is divided into two parts, First part which deals with making a platform to connect students and teachers on national level in which we have 3 different sections namely Project section containing projects of different domains in which a user can search projects using the filter option along with the feature of sending friend request and comment sections , Academics section which will have all the information related to academics along with the discussion forum , Q/A section in which there will be discussion based on technical doubts. Second part deals with creating a recommendation system which will help students to find the course and university based on their preferences and it will be done for MBA, MS and MTech courses.
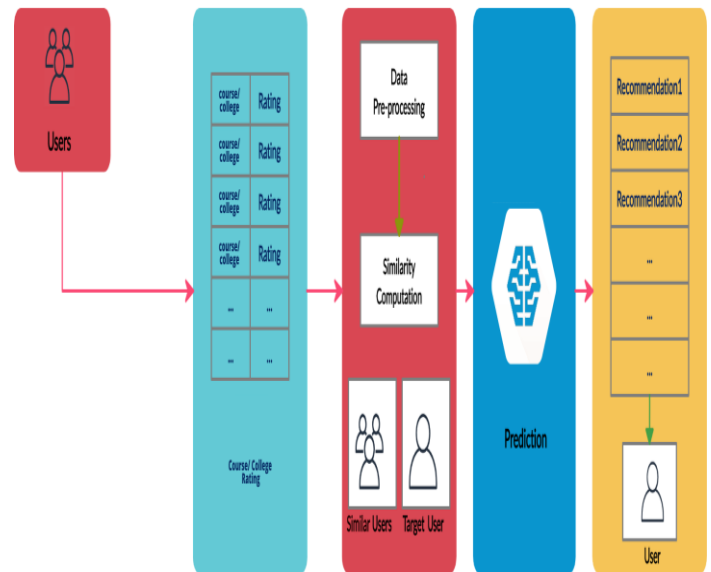

Fig 4.1 Working

User-Based Collaborative Filtering is a technique used to predict the items that a user might like on the basis of ratings given to that item by the other users who have similar taste with that of the target user. The idea behind collaborative filtering is to consider users' opinions/ratings on different courses/colleges and recommend the best course/college to each user based on the user's previous ratings and the opinion of other similar types of users.
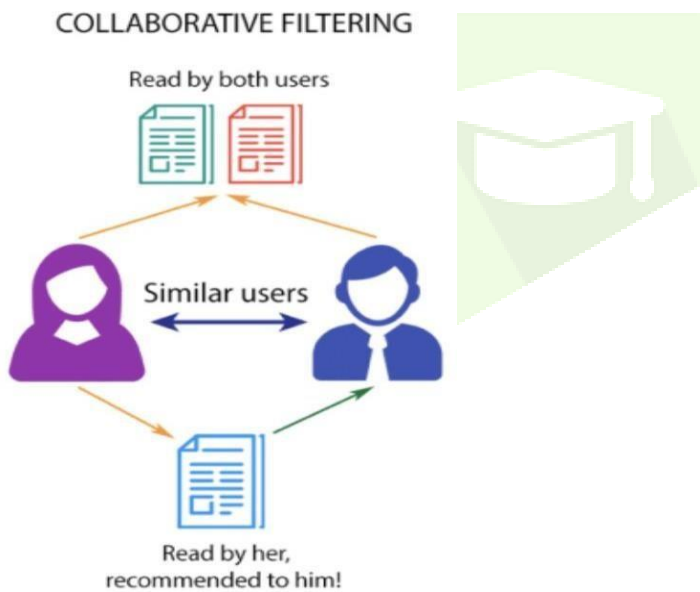

Fig 4.1 Algorithm

- **Algorithm to be used - User based Collaborative filtering**

- **Data Collection - API / Web Scraping Techniques**

Fig 4.2 UML Diagram

V. CONCLUSION

Our project could be a revolutionary step in the field of digital learning. If implemented correctly our project can help top universities too, as teachers and students can collaborate and come up with new things using our project. What's more!! with slight modifications our project cannot just be a learning portal but can also be used by corporations. The only thing that limits the scope of our project is imagination and let me tell you one thing imagination is unlimited.

VI. REFERENCES

[1] My College Finder - Ankit Karandikar1 , Sameer Kalantre2 , Ajinkya Kohok3 , Deepak Ingale4 , Mrs. Rutuja Kulkarni5

[2] Collaborative Filtering Recommender Systems - J. Ben Schafer1, Dan Frankowski2, Jon Herlocker3, and Shilad Sen2

[3] College Finder and Recommender Web Application System - Nishank Samant, Nikhil Manjarekar, Ashwini Mhavarkar, Ashutosh Nagaonkar, Prof. Medha Kulkarni