
UP-LEARN

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ABSTRACT

Today, as students, we face all the challenges associated with scholars and projects, answer questions online, and get advice on which courses and universities to apply for and which courses / universities are best for us. I'm having a hard time finding a useful platform. For him / her based on taste. So, we came up with a solution to create a platform that could solve most of the challenges students face. The solution we propose is a platform that allows teachers and students to collide with you and interact with the teacher, or send a connection request to interact with the user. If you're thinking about a new project but need some suggestions along the way, our platform is here for you. You can post project details such as project name, project description, and save project. And other users can like your project and discuss it. If you have questions about a scholar, or if you want someone to answer your question immediately, you can post a question related to the scholar. There is always someone to solve the problem.

Keywords: Academics, Project Repository, Course, University.

I. INTRODUCTION

Our project is a combination of recommendation system which provides recommendation of under graduation and graduation universities to the students who are thinking of pursuing MS course and the other part 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. Teachers are also able to see how much the students are progressing along the way. Our platform will have different sections for students who want to go for placements or even higher studies like MS. 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 main focus is to transform a typical e-learning experience into something amazing in which students can spend most of the time doing what they love. We want to build something for students to up their motivation and get engaged with what they love.

II. LITERATURE SURVEY

In paper[1] titled "The University Recommendation System for Higher Education" by Aishwarya Nalawade, Bhavana Tiple explains how Recommendation system has become a requirement in today's world. This recommendation system is spread over large sectors right from education, entertainment, health, business etc. The University Recommendation System is a system which recommend right university for the students based on their GRE, TOFEL score. Due to rapid increase in data and lack of learning in education filed, students often halt selecting wrong universities. Thus, there is a need of recommendation system which is trained to understand the user's requirements and suggests them that suitable university which they need.

In paper[2] 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.

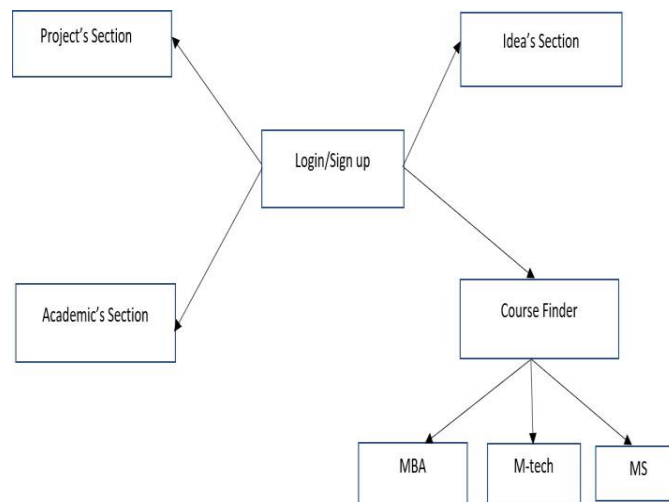
In paper[3] titled "My College Finder" by Ankit Karandikar¹, Sameer Kalantre², Ajinkya Kohok³, Deepak Ingale⁴, Mrs. Rutuja Kulkarni⁵ explains the advantages of the college finder application that how this application can be very much convenient for students to find an appropriate college at anytime, 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.

III. PROPOSED SOLUTION

The proposed system is based on two parts , First part is the recommender system which provides recommendation of under graduation and graduation universities to the students who are thinking of pursuing MS course and the second part 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.

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.

COLLABORATIVE FILTERING

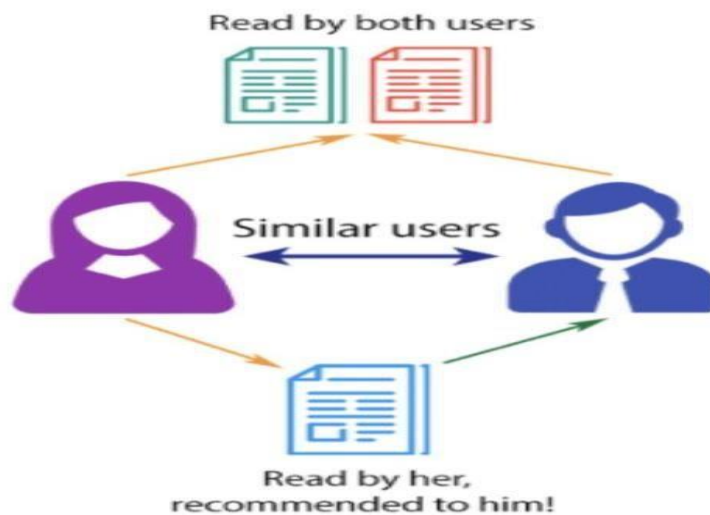


Fig 4.1: Algorithm

- Algorithm to be used - User based Collaborative filtering
- Data Collection - API / Web Scraping Techniques

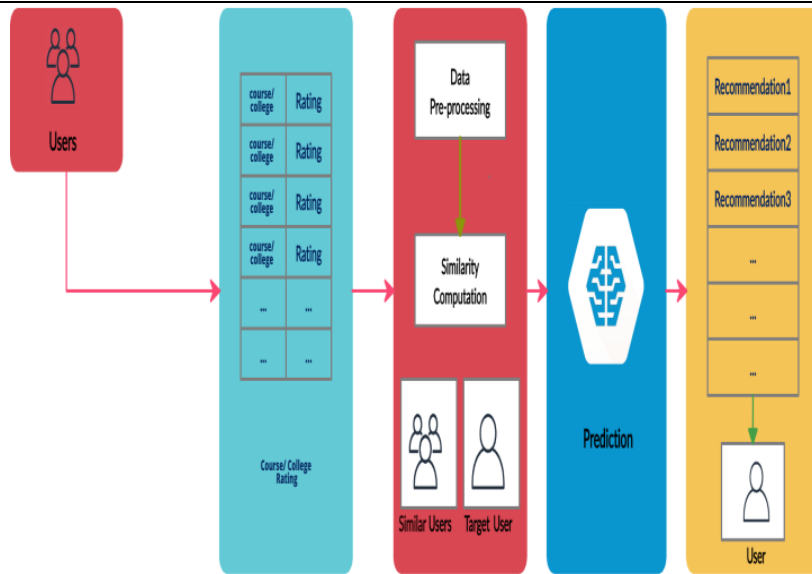


Fig 4.2: Working

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.

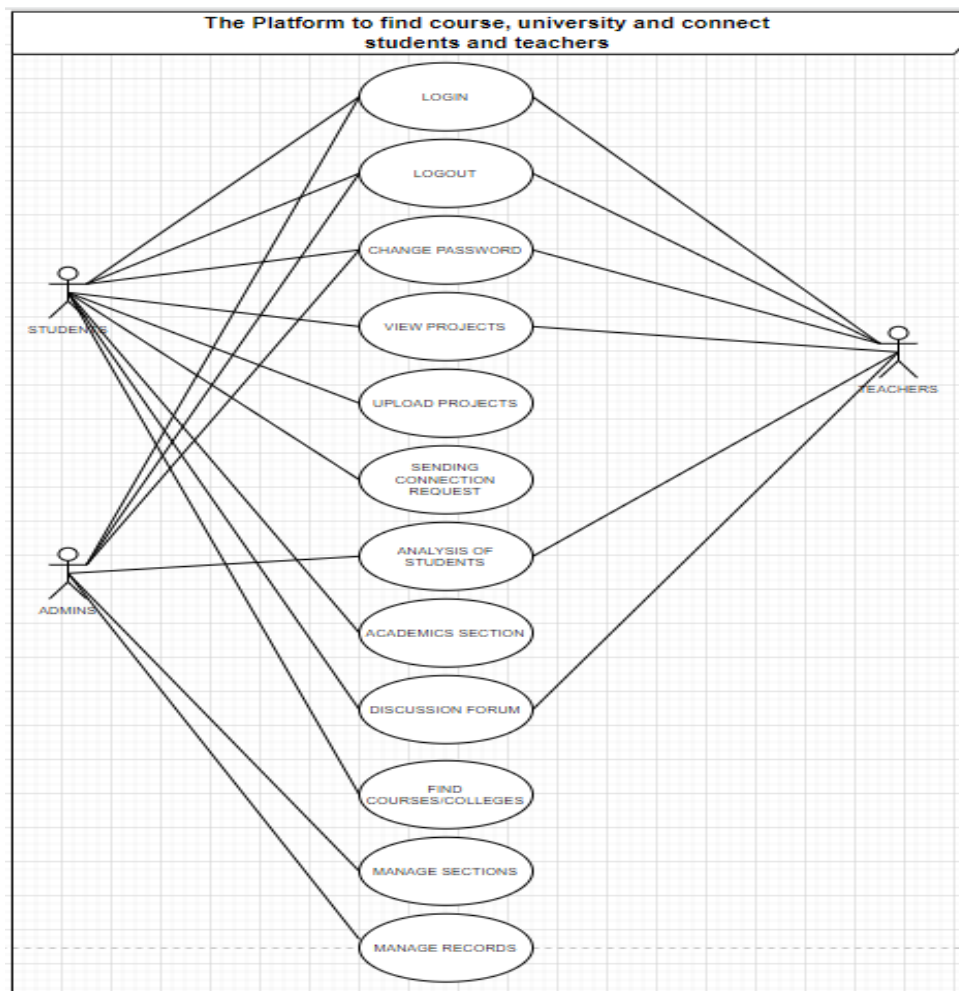


Fig 4.3: UML Diagram

V. SYSTEM SCREENSHOTS



Fig 5.1: Register Page

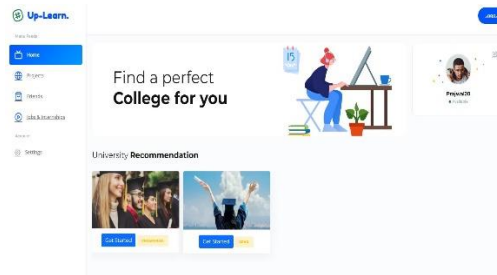


Fig 5.2: Home Page

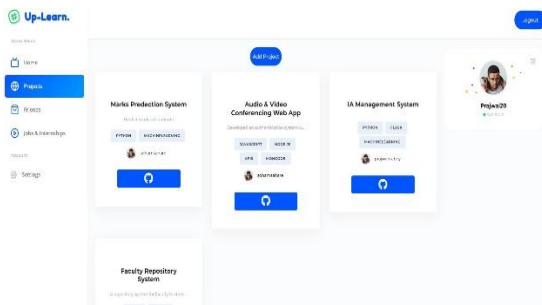


Fig 5.3: Projects Page

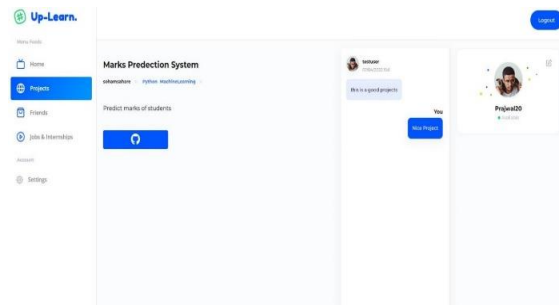


Fig 5.4: Comments Section Page

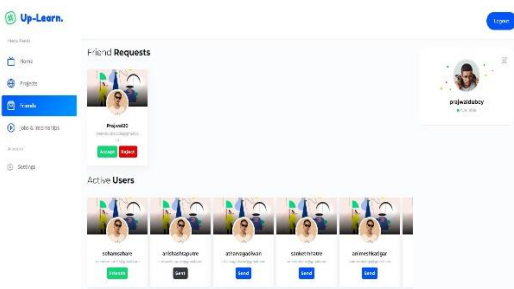


Fig 5.5: Friends Page

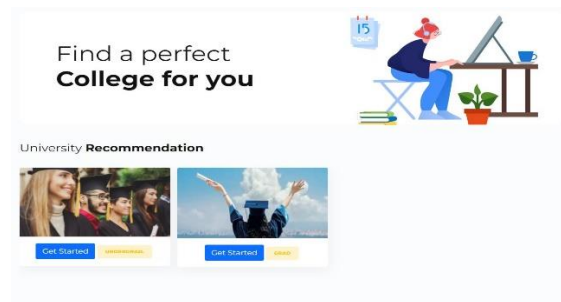


Fig 5.6: Recommendation Page

Top-5 Graduate Recommended Universities

The Top-5 Graduate Recommended Universities based on your GRE Scores & GPA are

S.No	University
1.	University Of Arizona
2.	Arizona State University
3.	University Of Cincinnati
4.	Carnegie Mellon University
5.	Clemson University

Home

Fig 5.7: Graduation Recommendation

Top-5 Undergraduate Recommended Universities

The Top-5 Undergraduate Recommended Universities based on your SAT Score & Minimum Tuition Fees are

S.No	University	Acceptance Rate
1.	North Carolina State University	0.8572590275380275
2.	San Diego State University	0.84321903742071
3.	Virginia State University	0.823256625141825
4.	Central Piedmont College	0.8128166818380114
5.	Saint Agnes University	0.80025160152882

Home

Fig 5.8: Under Graduation Recommendation

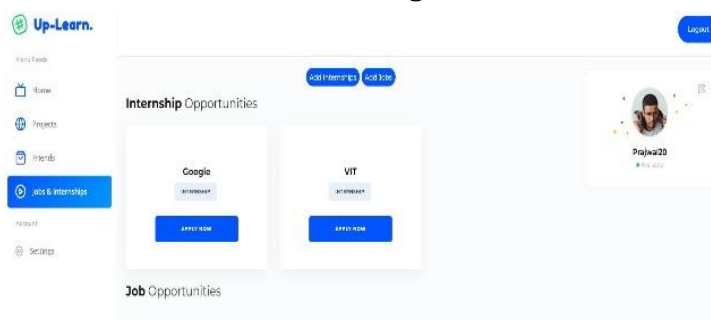


Fig 5.9: Jobs & Internship Page

VI. 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.

VII. REFERENCES

- [1] "The University Recommendation System for Higher Education" by Aishwarya Nalawade, Bhavana.
- [2] College Finder and Recommender Web Application System - Nishank Samant, Nikhil Manjarekar, Ashwini Mhavarkar, Ashutosh Nagaonkar, Prof. Medha Kulkarni.
- [3] My College Finder - Ankit Karandikar¹ , Sameer Kalantre² , Ajinkya Kohok³ , Deepak Ingale⁴ , Mrs. RutujaKulkarni⁵.