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A PATH FOR HORIZING YOUR INNOVATIVE WORK

KNOWLEDGE MANAGEMENT: NEED FOR CORPORATES

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Abstract: Data mining is to discover new interesting and useful knowledge using classification, association, prediction, clustering, aggregation, etc. Finding information on a large web site can be a difficult and time-consuming process. Recommended systems can help users find information by providing them with personalized suggestions. This project implement the 'Admission Recommendation System' an important role in Education System which allot the best colleges to the student according to their merit score for perusing higher education in reputed institutes e.g. (B.E./M.E) courses based on the cutoff marks at institute level in which they are eligible. The student will have to put the score and they know about their eligibility as per the institute cutoff. There is extensive class of Web applications that involve predicting user responses to options. Such facility is called recommendation system. Here we use the model for recommendation system based on utility matrix of preferences. The goal of recommendation system is to predict the blanks in the utility matrix. We use the application in which recommendation system have proven useful in the education system. Content based technology focuses on properties of items. Similarity of item is determined by measuring the similarity in their properties. Recommended systems can help users find information by providing them with personalized suggestions. Use of data mining process in a student's database to see their results separately for each item is discussed. Educational data mining provides a set of techniques, which can help the educational system to overcome these issues.

Keywords: Recommendation, aggregation, utility matrix

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INTRODUCTION

Recommendation system is an extensive class of Web applications. It involves predicting options to user responses. Recommendation system is necessary to make the best possible choice, when we have no alternatives. Typically recommendation system requires input from user. This system focuses on providing users online news articles as per readers interest, also providing suggestions to buyers for product history, etc. Recommendation system uses the technology content-based recommendation system. The content-based recommendation system examines the properties of items recommended by users. It shares in common the means for describing the item. This system recommends items to the user as per description of the item and profile of the user's interests. In various domains such as education, items for sale, restaurants, hospitals, news articles, web pages content-based recommendation system is used. This system compares the user profile and recommends the similar items. The best combination is provided to user as per the recommendation.

In typical recommendation system, as shown in figure1, user recommends the item by giving the input and then system aggregates and replies the proper recipient. Primarily, the transformation is in aggregation, but in some systems the value of recommendation lies on the best matches between the recommenders and those seeking recommendations. The recommendation system is to take the right decisions in relations on the basis of available information.

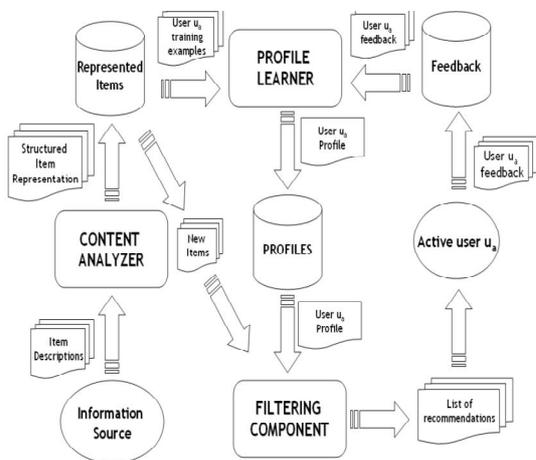


Figure 1. Architecture of recommendation system.

The recommendation system uses the data mining techniques, which is used to classify huge amount of data. It links user with items. Based on previous ratings data mining techniques learns to use user model. This system is based on decision making for little research and

development as means to help users in making decisions. Data mining technique are used as a basis for the system, since it provides precise recommendations to users in relation to users requirements.

Now-a-days, data mining is emerging discipline in educational system to better understand students the settings and new developments in which they want to learn in. Also for the development of country, educational system plays a vital role. Educational data mining is used to find out knowledge from educational database. So there are some techniques by which the issues in educational system can be solved. In this, we implement the educational system which allot best colleges to the student according to their merit score for perusing higher education in reputed institutes e.g. (B.E./M.E) courses based on the cutoff marks at institute level in which they are eligible.

MECHANISM

In the educational database large quantities of data is accumulated. As the admission system consists of database as colleges in various regions, marks of students as per there category, cutoff, seats and braches in various colleges. From this large database it is difficult for students to determine which college they are eligible according to their marks, category and for which branch. In the todays admission system students has to search institutional wise cutoff for each college separately and there are number of colleges available. So students get confuse in selection of college in which they will be eligible. Sometimes they can't guess the right college. So in the new system student will get the list of eligible college according to their marks so they can easily select the best college according to their choice and eligibility. Here, student has to just enter their score and branch and they will get the list of colleges. From this list they can choose the college and fill the form for admission process easily. Due to this system it will become easy for student to fill the option form for the college. So they don't have to see the cutoff of each college separately and they will not miss any of best college to be allocated.

The recommendation system provides alternative suggestions to students, such as academic information, educational data or other personal important having same characteristics. We know that before taking admission to any course student has to enroll on the course, but it is not notorious itself. The previous decision to be taken is to choose which college and which branch should be allotted according to the student eligibility score. Here we show content-based recommendation system based on data mining techniques applied to educational environment. The goal of this work is to offer students key to take better decisions to select college for admission in reputed institute.

For this we have taken previous few year cutoff score of every college. The data is composed of information of each college, branches in college, related cutoff score as per eligibility. The student has to go on the website www.dte.org . Here they will get the link for cutoff list of colleges. Then they have to fill the option to select the branch and to enter the score of CET (common entrance test) for engineering and the category. Then click the submit button and the complete list of colleges will be available for the student. Due to this he will be able to easily fill the option form for the CAP round. Education is essential element, hence it is primarily important to choose the right college. So by identifying students need this technique is being considered. With this information student will have supporting tool that will help them taking best decision. The objective of the system is to predict how convenient it is for a particular student in the complex process of deciding particular college and the corresponding branch taking into consideration there CET score and other similar characteristics.

CONCLUSION

In this study, we determine the data mining technique in admission system to make students easily identify college according to eligibility. We hope this will be useful for students to determine colleges from the huge database. This will be the time consuming task for students. Here we use the content-based recommendation system to predict student colleges for admission. The main purpose is to provide support for new students in order they can choose better academic itineraries. This facilitates proper vision of behavior and performance in academic career and, at the same time, allows feeding the system to offer recommendations to students to increase their effectiveness and decision making in relation with taking admission.

FUTURE WORK

The Web applications have large space for information on the internet. More accurate techniques and software can be used. For future work it will be necessary to test system with data in order to check consistency and convergence. Also to establish effectiveness and to obtain more better outcome in the application of data mining technique in the recommender system in this domain of application.

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