

Advanced Application System for Student Scholarship using Content Based Filtering Technique

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Abstract: Nowadays the SAR tool may be extremely supportive to scholar's community. This system resolves economically poor student's struggles regarding their scholarship application and updating. Educational Foundation may post a list of its scholarships, some are specific to college, and some can be used at any accredited institution. This system provides the facilities to effectively interact with student. This system stores the effective feedback of student. The administration offers the conveniences to crack the problem and rectify the same through an outstanding communication. User centric auto remainder for the scholarships was the major role in this project. Scholarship is a critical tool to facilitate education for eligible students, especially those who are socially and economically challenged in the state, and bring them on to the mainstream development track. Niger State Scholarship Board processes large amount of scholarship applications every year. Processing these applications is always time consuming and prone to errors due to their current paper-based system of processing. e-Scholarship System was designed and implemented in order to allow students of Niger state indigene across the country apply for scholarship online with the Niger State Scholarship Board. The system was designed. The application was developed using Hypertext pre-processor (PHP), AJAX, JavaScript, Hyper Text Mark-up Language (HTML) as the front end and MySQL database as the backend. The E-scholarship system provides online application solutions that saves time, and sends notifications using emails on the progress of application in a timely and transparent manner.

KEYWORDS: Content-based filtering algorithm and collaborative algorithm.



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INTRODUCTION

The student scholarship is based on online system. The two algorithms are used that is collaborative Filtering, Content Based Filtering. The scholarship is involved into three categories. That is caste wise, academic wise and poor student. The Admin is the main of the whole project. The scholarship is involved into three categories. That is caste wise, Academic wise (Rank older), poor status. The Admin are category add this student scholarship. The filtering process are involved many types of caste. They are OBC, MBC, SC, and OC. The apply status are invoked in this student scholarship. Paid or unpaid status are also viewed this student scholarship. The student is registering the student details and then login the homepage. The scholarship form is available in online. Register the scholarship apply form in online. The filtering process is two algorithm are used by solve the student caste wise allotment of scholarship.

The alert message is also involved. Content based and collaborative technique is the result of a time-consuming process of scholarship and caste wise development. The scholarship students can pass on their query or their views or experiences on to portal password certain internship events are allocated. The scholarship student involvement is the most important part of a student institute or a foundation. It says a lot about the quality of student imparted in that scholarship student institute. Main of the status of scholarship student rests on its Alma Mater. After the scholarship students complete their education, they begin their voyage in the corporate world. Many types of scholarship student a lot to the kind of education, grooming, opportunities, co-curricular activities and events provide by their college. Many scholarship students like to come back to their college that has been a very important part of their memory. They like to give back to their college by giving their valuable time. They feel obliged to the scholarship student institute that opened new of jobs for them by building them academically strong. Most of the good colleges ensure an all-round development of the students. Such student scholarship events create wonderful memories for the students to cherish for a lifetime. The system for applying the scholarship is manual for the student in the existing system. To avoid the manual system this proposed system develops the application for

scholarship on the basis of cast category, academic performance and social status. In this system student can apply scholarship using this portal where they can upload the proof and photo in this application..

RELATED WORK

In this paper [1] system has come up with many advantage for educational institutions to track the student development and administration attendance. It helps equally student and protector to keep track of student improvement without visiting to the college. It also notifies student and guardian during the moment of important events which are occurrence in institution. One more quality is guardian getting alerted whenever student gets unsuccessful in the exam or student not able to convene the predictable attendance average. Student Information Report System (SIRS) is purpose software and which has intention to begin a conductive and direct Interchanging the statistics in a secure platform to coalesce with students, faculties, parents and the college/school management. The student in order has the particulars details (like register number SEM, date-of-birth, sex, parent phone number, address, parent name, etc.) attack to the system by the faculties. All these particulars are stored in the database. SIRS application is problem free to use in schools, colleges, universities, and any other educational institutions. It can be modified as per the need. It can be used in private and government learning institutions also. SIRS purpose is an internet based request we can login to the system from anywhere irrespective of biological area it will give faultless navigation.

In this paper [2] provides the specifics to carry out the presentation, organization and decision-making functions of enterprises or organizations. Huge develop of students is caused to enlarge the functionality in the individual educational institutions. As student added to the educational scheme it is difficult to deal with and pathway student details. To defeat difficulties we come up with this new advance student in order management system with extra features. This new approach will supply fast processing, competent student tracking, and produces preferred result. This approach will allow students to save their individual details. It is more safe, dependable and simple to use.

In this paper [3] Attendance is part of any system to keep track of the several people. It is mandatory process

in educational system. This directly reflects the scholar progress. In instructive institutes presence administration is normally a physical process. There is massive growth in the software manufacturing which has fortunate colleges to maintain the audience system by using gadgets which is the most excellent way. As we are using the smart phones we do not need maintaining attendance record. It can be easily done in a movable application. Power will be going to take the audience when class gets started. They will originally login to the system during mobile application. Once attendance has been taken productively for the class it will be sent to server through GPRS. The faculties can also do the essential functions like registering new students, deleting the information about an existing student, modifying the information concerning the student etc. The main purpose of this process is to reduce the risk of physical efforts. It also controls time consumption. Also we want to give significance to decrease the paper expenditure that daily happens.

In this paper [4] utilizes workstation aided system. The model's main role in an organization or in the college management is involved in the workstation system. Initially, the system has been urbanized with four layers based on the ladder such as Web display layer where application is stopped and displayed for end users. Data admittance coating is answerable for viewing the data. Database layer is data collection and responsible for storing the student data. In record layer ER diagram has been intended to provide data normalization. The process provides total information about student, faculties and instructive institution. Third thing in this project is to allow user based on their category.

In this paper [5] provides end user to faultless navigation to the application and effortlessness of access. The model provides in order management storing of learner academic information. This model consists of various functionalities like in order about the courses accessible in the college initial from first grade to commencement. It also enables students to enroll to meticulous course through online, online fees payment, examination results, and also get notified when imperative events occur. All data stored and retrieved through the claim is protected. So to achieve this we have urbanized a powerful web based protected boundary application which chains all type of request which are pending from the students also which gathers

and corrects all student in order. To achieve this we have used resemblance (Euclidean distance) algorithm. The results viewed that the new information collected by the SDS has the skill to fill the obligation and done the error improvement in the traditional model.

In this paper [6] will explain how it is in performance an imperative role in the learning domain. This scheme provides flawless access through the web based submission to contact and supervise different department or all over the group. This system is used to largely monitor the attendance for the university. Students are provided access to login to purpose and view the development report and presence report. This system is developed for a manufacturing college it will provide end users to uphold their data with smallest amount effort. Initially faculties/students get registered with the scheme once they finish registration process they can access the system as well as they are able to do the changes in the data. As per the obligation users have been decided with certain level authorization to handle and track the student in order. Whichever student or ability can upload and copy the information from the database. Since it is a web based application which is available from any part of the world it has certain facial appearance like accessibility, easy to use. It is developed to group the existing environment which is quickly increasing in the student domain.

In this paper [7] essentially focuses on providing that a easy interface for the easy banquet and maintenance of all manner of student information. The formation and administration of truthful, up-to-date information concerning students' educational careers is dangerous for students and for the faculty and running of Sheba University in Libya and for any other learning institution. A student information system handle with all kinds of data from enrollment to graduation, as well as program of study, number present record, payment of fees and theory test results to name but a few. All these information need to be made obtainable through an online interface.

In this paper [8] viewed on providing that information to carry the operation, organization and decision-making functions of enterprises or organizations. In the face of huge amount of information, it is necessary to own the scholar information management system to advance the efficiency of student management. Through this system,

the standardized management, scientific statistic and fast query of student in order can be realized, and thus the workload of management can be condensed. In this scheme, a characteristic student information management system will be recognized to realize the systematization, consistency and mechanization of student information relationship.

In this paper [9] focuses on easy border for preservation of student information. The creation and running of accurate, up-to-date information concerning a student's academic career is critically important in the university as well as colleges. Beginner in order system deals are many types of student details, academic related reports, college details, course details, and other resource related details are available. It tracks all the facts of a student which can be used for all coverage purpose, tracking of number present, progress in the course, finished semesters, years. Dissimilar reports and Queries can be generated based on vast options related to students, batch, course, faculty, exams, semesters, and certification and even for the whole college.

In this paper [10] on her thesis entitled "Online Student Information System of Banquet State University" gave importance that as chief goal of the educate "to generate and distribute new knowledge and technologies that will encourage sustainable reserve expansion and supplement the capable and successful armed forces geared towards competence and economy" which is not in agreement with the existing student information system of the Kialing State University Rizal campus.

EXISTING SYSTEM

In the existing system the traditional manual system is followed where student need to fill the application form. In this system the information spreading is less where every student needs to visit the office room for the clarification. For the proof submission the hot copies are submitted to the authorized faculty. Large amount of document work is needed to achieve the task in the current system and more time is needed to complete necessary record.

This system is used extreme and wide and it requires bundle of human efforts and interaction is needed to preserve the records. It is very difficult to get the information about the old students who left the college

more than ten years. There is a possibility of data loss in case of any physical spoil is encountered or in case of any natural disaster. It is decentralized and asymmetric way of entering the data. User has to wait in the queue to get information and he has to visit the centre during the dealing hours. So it will take more moment. In this case data treatment, data hacking can be done with no trouble. There is low level of data refuge and high level of data aggressive. There is no clearness about the student information.

DISADVANTAGES

- More manual effort is needed
- Less accuracy in sharing information
- Notification for the last date is not identified
- Applicant need to know the category of scholarship manually.

PROPOSED SYSTEM

In the proposed system, student need to login on scholarship portal where they can view the category of application. The cast based category, rank based category and poor student category is filtered using content based filtering technique. The approval for the scholarship is given by admin where collaborative filtering technique is used. Current system has encounter with many limits. The optional system hits the limits found in the present system. There exists lot of return in a proposed system that is the system is whole package so there is no slipups relating to the statistics of student's attendance and internal evaluation marks etc. Also it eliminates being without a job. It is easy to get in order from single foundation. No latency when bringing back information and status of the student.

Complete statistics of a student can be improved in the method of SMS to the mobile phone through one feel. Notifications will be conveyed to the relevant guardians through SMS when particular student not able to attend the class as per the university guidelines and also email can be sent to relevant parent and also pie and bar charts can be generated as per student's presentation.

Also it allows management to store student and faculty information also admin can track the faculty and student details. The application allows bringing about courses surrounded by a class area. It has got profile based super vision like superintendent, faculty and

student. It allows faculties to manage student attendance and their internal evaluation marks. And also it allows students to view their own details and also can produce report. Students get alerted during examination using globular. And also it allows storing internal estimation marks and also generates the average.

ADVANTAGES

- Less manual effort is needed
- More accuracy in sharing information
- Notification for the last date is identified
- Applicant can know the category of scholarship using portal.

WORKING DIAGRAM

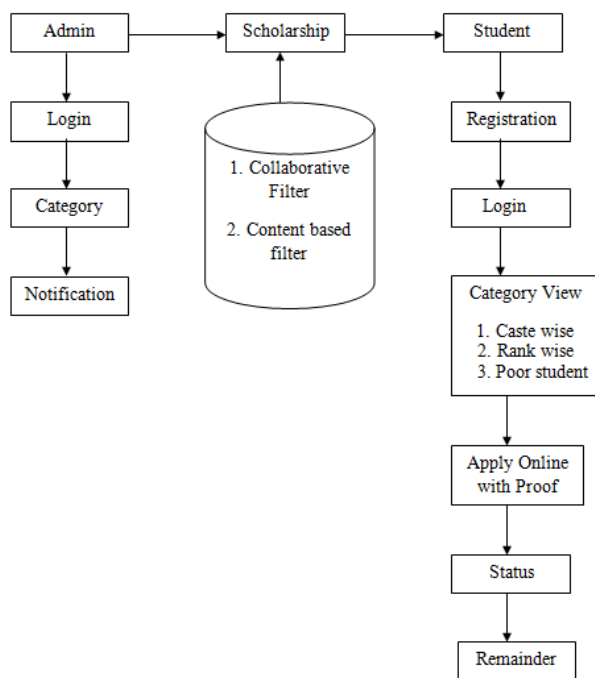


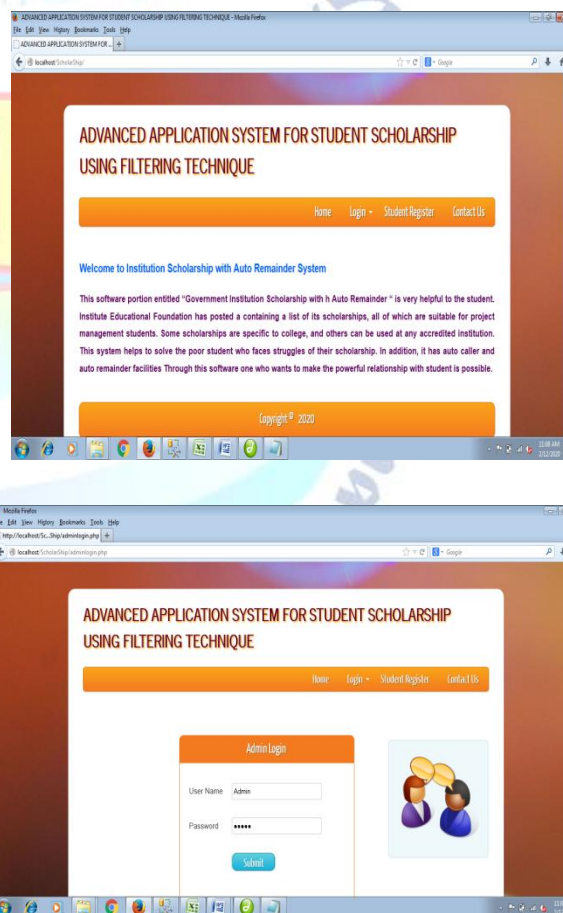
Figure: 1 Architecture diagram

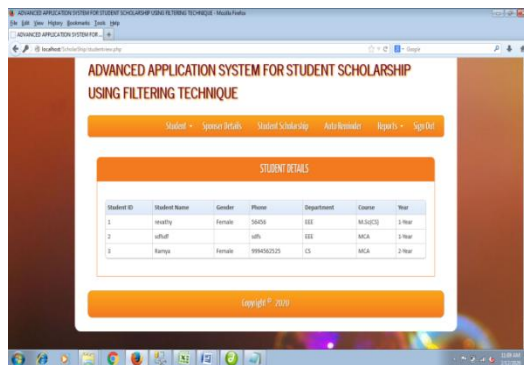
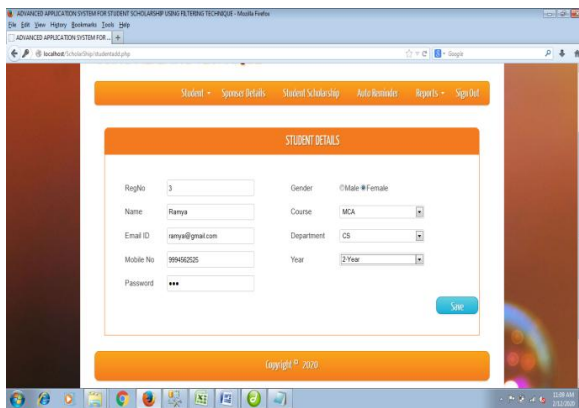
CONCLUSION

This paper studied about student scholarship system among authentication methods that can replace text based authentication student, and describes Pass Positions. Which is a new concept of student scholarship system implementation colleges Verify the Positions generate the student registration by taking advantage of the scholarship positions of the selection points, making it easy for sports people who cannot

select the correct absolute position. Many types of scholarship a lot to the kind of knowledge skill, Mind grooming, sports opportunities, co-curricular activities and events provide by their college. Many scholarship students like to come back to their college that has been a very important part of their memory. They like to give back to their college by giving their valuable time. They feel obliged to the institute that opened new avenues of jobs for them by building them academically strong. Most of the good colleges ensure an all-round development of the students. They have special sessions to grill the students and prepare them for the interviews. There are various kinds of co-curricular activities and competitions organized by the college. Such events create wonderful memories for the students to cherish for a lifetime.

IMPLEMENTATION





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