



Scholarship Recommendation Portal

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Abstract: -

The objective of "Scholarship recommendation portal" is designing a scholarship portal for scholars. Majority of the students are not aware of various scholarship schemes which are applicable to them to have good general awareness of these schemes 'Education Grant' comes in. These portal gives a brief understanding to users when users visit a portal because this portal is made up with a smart coding tools of HTML, CSS, JAVASCRIPT and PHP at frontend and MYSQL at backend and also gives a great interface. Further, portal provides a feedback form to scholar. "Education Grant" is a portal to give information to students about various national and international scholarships and give them ideas about their eligibility criteria. After knowing their criteria students can easily understand which scholarships are beneficial for their future.

Key-Words: -Education grant portal, scholarship, admin, users, scholar, html, css, javascript, php.

I. Introduction

Education is the foundation of a person's life. It determines the quality of an individual's life. Scholarship helps a student in empowering their academic and career goals by removing financial barriers. There are many national and international organizations which provide scholarships to students and others. 'Education Grant' is a portal where students can get all required information about the required scholarships which can help in their careers development. The portal works on technology like css, html, php, js and mysql. It has a user-friendly interface, fast and can perform different operations. 'Education Grant' gives information about different scholarships provided by different institutions either national and international at a single place. It is a recommendation portal who recommends the scholars in a perfect manner. This web portal gives access directly go to the scholarship page that are apply by user or scholar to a given link. Further, the solution of problem are address through the recommendation system. The Motivation "scholarship is to be created not by compulsion, but by awakening a pure interest in knowledge" for the project is to make students aware about different scholarships that can help to remove financial crises and help them to achieve desired goals in their future.

II. Problem Formulation

According to the problem statement, the problem that we have to find is that there are different sites present on the internet and everyone searches on the internet and finds the details of what they want. If any person wants to search for a scholarship then there are different scholarships available on the internet. So the problem is that this scholarship is present on different sites like if anyone wants to know about scholarships then the particular scholarships are present on different sites and a person scrolls and after that they find a scholarship. The problem is formulated in the manner such that all the scholarships are present on the same portal or we say that in one place. The consequence of this is that if any person searches on the internet they find a Education grant portal and after clicking on that the interface is shown where they can easily find a scholarship.

A. Recommendation System

The portal that we are made of acts as a Recommendation system. This gives a brief description of various scholarships including national and international. There are some international scholarships that are present on this recommendation portal. The main aim of this system is to provide a better knowledge about the different scholarships. This include some private corporations scholarship like hdfc, colgate, lic etc. It gives a right direction to scholars who want scholarships. This not only recommend you. However, it allows you to apply through the portal that is a link provided to scholars so that after clicking, scholars directly go to the scholarship page and apply from there. Further, the basic work of this is to recommend a scholarship to a scholar and provide them a scholarship.

B. Web portal

The project is to make a portal. The main objective is that we make a web portal because a portal defines all attributes of navigation, interface, content and the databases. If we see how others show their content and scholarship then they give a portal to an organization and government to show their data and information. So from this we get an idea to design a better portal and make it interactive and responsive. After this, we have made a navigation that directs the scholars. There are different sections on the portal. There are different images shown on slides that make it dynamic. One section shows the

states and other shows the international scholarship. The main aim of designing a portal is that portal gives a better understanding and users get interacted by seeing the look , content and response. So this web portal acts as a recommendation system.



III. Related work

The portal that we have made is a recommendation of scholarship at a single place. There are many portals available for finding an scholarship but the content are available on different sites. The related work are classified on two existing system that is [1] National scholarship portal (NSP) and another is [2]. vidya sarathi scholarship portal. With these two existing systems ,we can make and design a portal of scholarship in the right manner so that scholars interact with this portal and easily understand.

If we discuss the national scholarship portal then this portal has its own website and this will give scholarships to the government. This will give scholarships to many students however, it is under the government of India. It divides the scholarship into national, state and AICTE scholarships. National scholarship portal provides all details of the scholarship individually. This portal also give application form opening and closing dates according to government guidelines. The interface of this portal is good and lots of data are available on its home page.

So,,the drawbacks of nsp are that portal loads take more time and they do not provide links of other scholarships. The interface is good but not so interactive. National scholarship portal not providing private scholarships of private organizations.

References:[1] <https://scholarships.gov.in/>

Now , the second one is Vidhyasaarathi scholarship portal ,in this system this also provides a scholarship for students. The interface of this portal is very good .It shows the various scholarships provided by cooperates and also provides the test so that students can improve their strength and grab the scholarships. The vidyasaarathi portal shows the results of various scholarship that are given or apply by scholars. It defines the number of student applied for scholarship.

Some drawbacks of this portal is it does not track scholarship and also does not give details of a scholarship provided by a non-profit organization.

References:[2]. <https://www.vidyasaarathi.co.in/>

Now, compare with Education grant recommendation system with above two existing system ,the following paragraph describes below:

In the recommendation portal ,national and international scholarships are present at a single place and also gives private scholarships that are included in national. The interface of this portal is good and easily understandable to scholars and users. Also the sites is dynamic in nature. This portal language is english. Divided in different sections and gives a direct link of various scholarship for a different states. International scholarship are provided in different section. Scholars are easily login and find details of scholarship so that they can apply through a given link. The description of scholarship are available in each scholarship that are provided in this portal.

IV. Methodology

The problem statement for the Education grant recommendation portal is that as the growing technology and market scholarships in the market is also increasing but the data is not confined to one place. People have to find various places to check for good scholarships. Addressing this problem will help in knowing various national and international scholarships. This should be a real time data management which should be updated with the latest scholarships that are being offered.

So addressing this problem, we have identified its methods .How we can create a portal that are useful for the scholars and users.we have go to the existing system for this and find that how this portal is related with our websites .First is national scholarship portal that is provided by government and other is vidyasaarathi portal and others portal also.but primarily focuses on this two existing portals.we have research this existing system so that we have majorly working on this project.After continuing this research we have made a usecase for education grant recommendation portal.

For recommendation portal ,we have to design a usecase .In this portal,admin are present and user are present.There are different functionalities for admin fig2 as well as user fig 2.1.To develop the portal all these functionalities are kept in mind.

From existing system, we have to select that kind of functionalities that is related with our portal and user can experience that all kind of functionalities.so figures show below is the usecase diagram for grant portal.

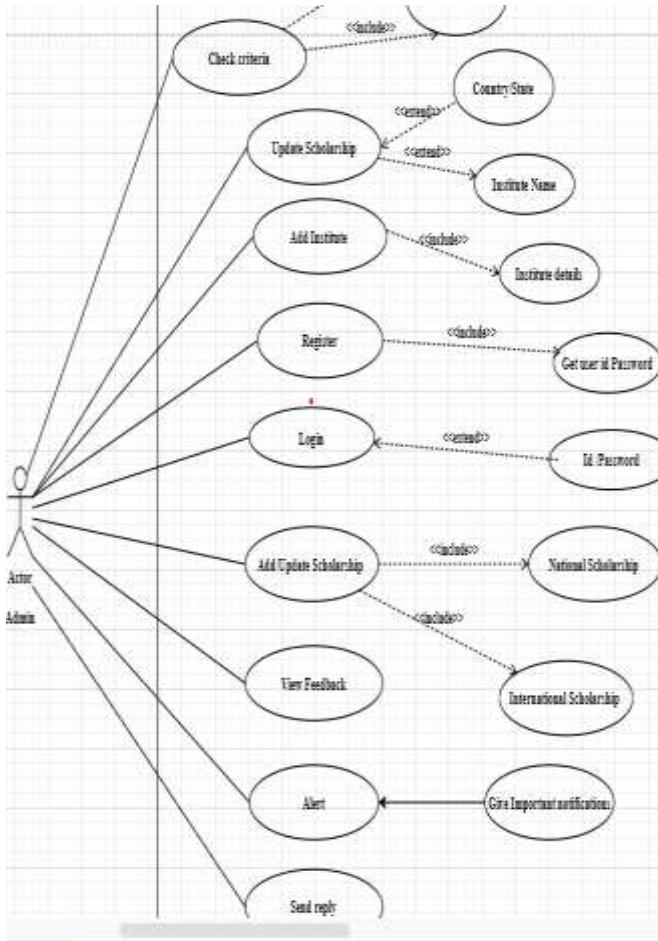


fig 2

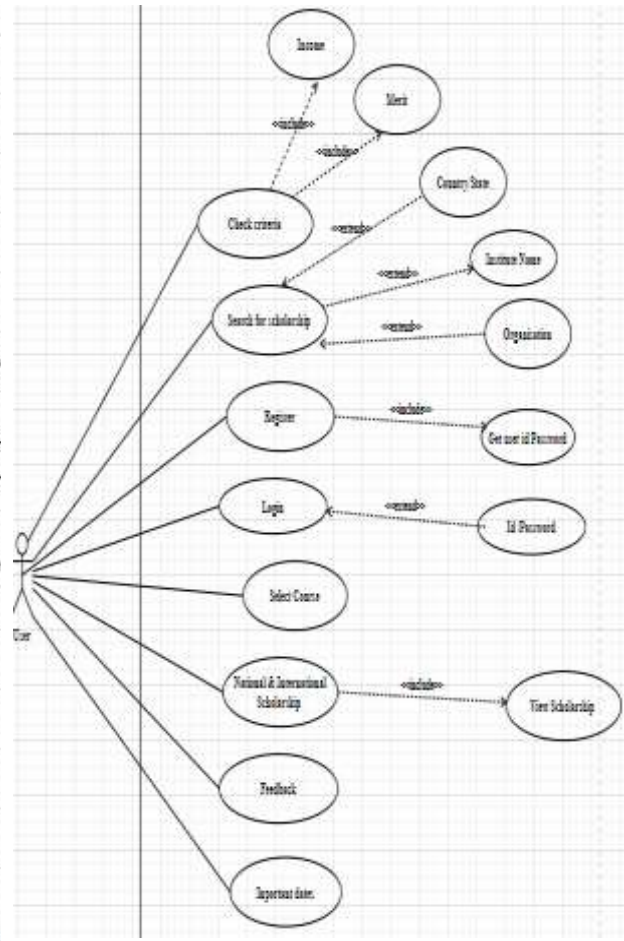
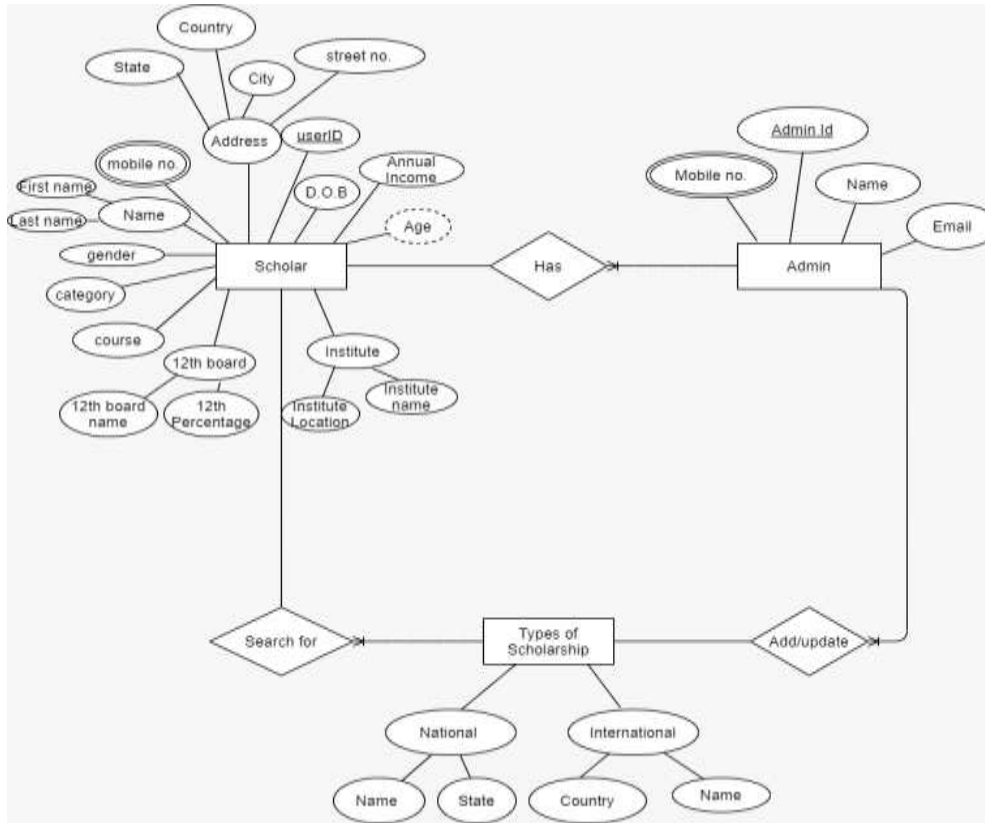


fig2.1

After finding all their functionality ,we analyze how databases are used in this project ,again going to the existing system finding the entity and relation between the attributes and what types of methods are present in that portal.The entity relationship diagrams are defined for the Education grant recommendation portal.So taking idea from existing system we define a entity diagram for this portal.

The Entity relationship for portal analysis the backend of the portal and also defines that what kind of data we can put in our portal so that the data of a particular scholarship in a efficient and concise way.There are lot of scholarship available but we have to maintain at a single place and all scholarship description in a concise manner.Analysing all the methods we have made a diagram that are shown below. fig 2.2



In the fig2.2 A scholar entity contains many attributes .We analysis that all information of a scholar is gathered from update profile section that are present in this portal .from this , admin can easily find that what type of eligibility a scholar have and after that scholar can easily understand which scholarship is applicable for them and apply from a link provided in a portal.

The following methodology that are discussed above on the basis of problem statements and existing systems are helpful for this portal and doing analysis and research on that is a great change for this portal



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V. Outcome Discussions

It provides details of different scholarships that include both national and international level. System has category wise division. System has user friendly interface. System gives list of verified institutions. Any user all over in india as well as outside india can easily understand and get more knowledge and information about various scholarship that are present . It gives awareness among users who want to get higher studies in international universities. On clicking on a particular state a scholarship of that state are shown to users and they finally find the scholarships and below that a description of scholarship is provided as well as a link is provided so that user can get to that page .we make a page dynamic and quick access to the users and also a responsive one so that users can access from both desktop as well as mobile phones at any time and anywhere, The overall result of this is that it is helpful for all users who get knowledge of scholarships rather than going multiple scholarships. This is the solution we provided to the scholars of all india as well as international.

VI. Conclusion

Education Grant Scholarship Portal will provide various scholarships to users on the basis of merit, income and skills. It will help them achieve their career options. It is a real time data management system which is updated with the latest scholarships that are being offered. Overall, the system is useful for all users to see information at various level. It also connects scholars to find their scholarship as users want on this portal. This recommendation portal provides a right direction to all scholars for finding their scholarship in the right way. whenever scholars visit this portal they find various section ,categories ,criteria for scholarship including national and international scholarship. The scholar can find their scholarship according to their eligible criteria and apply through a given link provided in the portal . Basically, we recommend various scholarships on a single platform so that scholar can find all details on a single place rather than searching on different places. It is a great pleasure for us to work on this SIH problem statement and find their solution . It also gives us a lot of learning not only in programming languages like php, html ,css ,javascript ,mysql databases and web based applications but also all handling in advance and new technologies. It provides knowledge on client -server based web applications. This is helpful in future and builds up with the future technology independently.

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We are students of Btech Computer Science. Hereby we express our thanks to our project guide for allowing us to do the project on the Education Grant scholarship portal. This project work has been the most exciting part of our learning experience which would be an asset for our future career. No system is created entirely by an individual. Proper organization of concept and analysis of the system. We would especially like to thank our guide and mentor Prof. Praveen bhanodiya sir, who constantly guided us in developing, pushing us to search for more answers to her numerous questions. This simulated many valuable thoughts and motivated us to constantly revise and reshape the report. We are grateful to our parents and family members who have always loved and supported us. To all of them, we want to say "Thank you", for being the best family that one could ever have and without whom none of this would have been possible.

References

- [1].<https://scholarships.gov.in/>
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- [3].<https://openknowledgemaps.org/>