<GYANARJAN – SCHOLARSHIP WEB PORTAL>

A Minor Project Synopsis Submitted to

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal Towards Partial Fulfillment for the Award of

Bachelor of Technology
(Computer Science and Engineering)

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1. Abstract

There are enormous Scholarships available for students ranging from schools to college, universities and for higher Education over internet but still youths are facing problems in determining which scholarships are best and most beneficial for them. As a result, they miss deadlines of filling scholarship forms and sometimes not be able to identify what are the correct eligible criteria. Also, there are certain institutions who are willingly provide scholarships to certain students but those scholarships are not so much popular that all students know about it and hence cannot be benefitted by such scholarships.

To overcome above stated problems, I have designed a portal that provides all scholarships at one place so that youths can compare what they want, what is best for them, and for how many scholarships they are eligible. Also, this portal concentrate on giving information about Central, State, International and private scholarships as well.

2. Introduction of the Project

Indian Education system is the highly demanding sector with 1.4 million schools (over 200million students enrolled),850 universities and more than 40000 higher education institutes.
To increase the literacy rate and to develop the country in every aspect government provide various scholarships, also some private institutions contribute in this sector by providing Scholarships to certain students, but youths find problems in identify all the available scholarships at one place and with updated eligibility criteria.

This project concentrates on developing a web application which enlist all the scholarships given by central government, state government, international scholarships and scholarships provided by private institutes. Also, user can filter their scholarship of their own choice based on some criteria.

3. Objective

- ✓ Objective of this project is to provide users with all scholarships including central, state, international and private scholarship at one site/place.
- ✓ This project focuses to provide all information based on user's need.i.e., user can sort and search for specific scholarships.
- ✓ Those institutes who are willing to feature their scholarships and mark the presence of their scholarship among youths, they can add their scholarships on our portal and they are named as private scholarship providers.
- ✓ Additionally, to get timely reminder of our scholarship, users are provided with notification system.
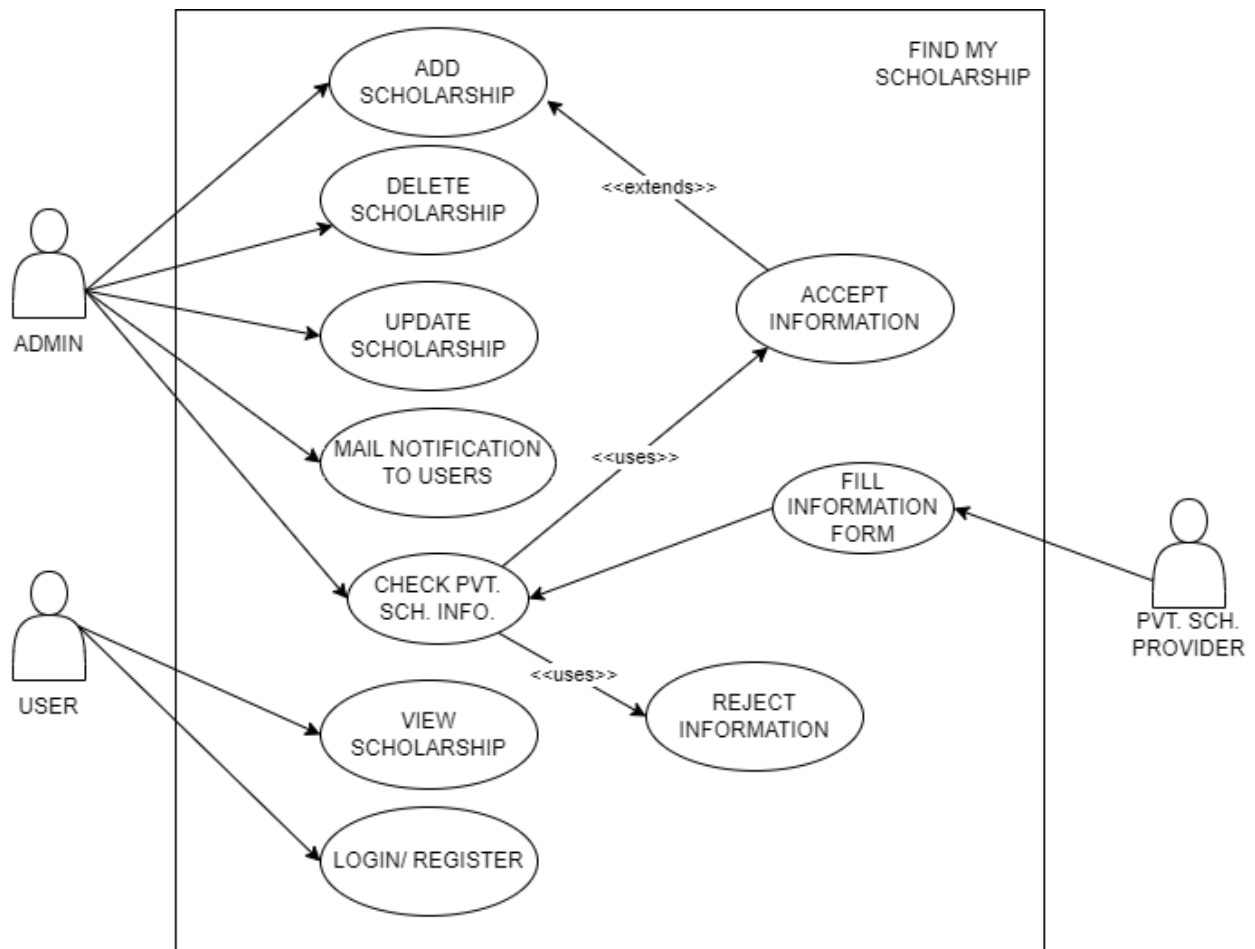
4. Scope

The Scope of project includes scholarships given by central government, state government and international scholarships given by government or by any other source as well as scholarships given by private institutes. This web application is for all users who are intended to pursue any new course or degree and willing to apply for scholarship to aid their education.

5.Study of Existing System

S.NO	EXISTING SYSTEM	SOURCE	STRENGTH	WEAKNESS
1.	NATIONAL SCHOLARSHIP PORTAL	https://scholarships.gov.in/	It is managed by government of India and has updated as well as all scholarships given by government of India	It does not contain international scholarships nor private scholarships provided by different individual across the country.
2.	SCHOLARSHIP PORTAL	https://www.scholarships.com/	It benefits students by providing loan options on their portal, also adding college list on portal to ease students by searching out scholarships by their colleges.	The College list is not of Indian colleges and university. Also, Indian government scholarships are not listed on portals. Not a user-friendly interface.
3.	ICCR Scholarship portal	http://a2ascholarships.iccr.gov.in/	Their objective is to preserve the rich Indian culture and art. its also managed by government and includes different universities of India as well.	Interface is not so user friendly. Similar to National scholarship portal.

5. Project Description

The project includes following functionalities:

1. Register: Students and private Scholarship providers have this facility to register on portal to access scholarships and to add their scholarships on portal respectively.

2. Login: Admin, students and private scholarship adders can login to their respective accounts through their username and passwords.

3. Update: Admins can Update all scholarships data as well as can manage student data. private scholarship adders can update information related to their scholarships only.

4. Reject /Accept request: All the request for adding private scholarships by providers on the portal comes to admin and admin can then manually check and verify whether to add that scholarship on portal or not.

6. Methodology/Planning of the Project work

1. We will be using HTML, CSS, JavaScript and Bootstrap to create frontend of the website. Python, Flask and SQLite will be used for backend. Flask-SQL Alchemy is a flask extension   which will be used to provide tools and methods to interact with database in flask applications through SQL Alchemy.
2. First the Student will register on our website through a registration form. The data from this form will be stored in our database by using flask- SQL Alchemy.
3. At the time of registration, we will ask Student for password creation. Confirm password by reenter it and if password matches it will direct to login page.
4. The student will login into the account using the registered mail id and password. Here the password entered will be matched with the password stored in the database using flask.
5. The necessary information regarding scholarship, its description and its eligibility will be displayed from our database using HTML, CSS, Bootstrap and flask for data interaction.
6. Private scholarship providers are provided with different registration page where they can enter all required information about them as well as about their scholarship and request to add them in our portal.
7. Admin can change any information about eligibility, description of the scholarship using registered username and password.

7. Expected Outcome

All the work process results in a well working web portal which is an information portal where all information is updated and from authenticated sources. This portal helps youths to identify best scholarship for them to ace their career. It's a portal which offers you all type of scholarship especially private scholarship which is somewhere hidden in the list of all scholarship or even remained unknown by youths.

8. Resources and Limitations

This website can run on any web browser. We will be using following languages for developing this website:

- HTML 5
- CSS 3
- Python
- Bootstrap
- Flask, Flask-SQL Alchemy
- SQLite

This portal is an information system where all data related scholarships are managed and we have given links to specific scholarships to apply, but yet there is no facility to fill the forms for scholarships via our portal and submit that data to government handlers for that scholarship.

9. Conclusion

An online system prevents a lot of paper work which increases human efforts and time, also it is proven to be efficient than manual work done by man. This portal helps to compare all scholarship at one platform just by one click and can decide best scholarship for different individual hence helps youth to save their time and efforts.

10. References

1. https://flask.palletsprojects.com/en/2.2.x/
2. https://scholarships.gov.in/
3. https://www.scholarships.com/
4. https://getbootstrap.com/