

Scholarship Management System



KIET GROUP OF INSTITUTIONS

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Abstract

In today's interconnected world, access to education is paramount for personal and societal advancement. However, the financial constraints often pose a significant barrier for many aspiring students. To address this challenge and promote educational equity, the development of a comprehensive portal for accessing information on national and international scholarships becomes imperative. This abstract is about the conceptualization of such a portal, which aims to serve as a centralized platform for individuals seeking various scholarship opportunities. The portal will provide information on scholarships offered by government, non-government and private organizations at the national and international levels.

Key features of the portal include:

1. **Scholarship Database:** A vast repository containing detailed information about available scholarships, including eligibility criteria, application deadlines, and award amounts.
2. **Search and Filter Results:** Users can efficiently search and filter scholarships based on criteria such as academic field, level of study, geographical location, and specific eligibility requirements.
3. **User Profiles:** Personalized user profiles allow individuals to save preferred scholarship opportunities, track application statuses, and receive tailored recommendations based on their academic background and interests.
4. **Resource Hub:** An extensive collection of resources including tips for crafting compelling scholarship applications, guidance on writing personal statements, and links to additional funding sources and support services.
5. **Discussion Forum:** Integration of discussion forums and networking features to facilitate peer-to-peer support, mentors

Introduction

Scholarships are payments made to support a student's education based on their outstanding academic performance, among other influencing achievements. Receiving a scholarship is a big achievement for someone either studying in a high school to grow new abilities or starting his career. Unlike a student loan, one does not repay the scholarship money. For young professionals, scholarships provide a solid financial foundation to kickstart their careers. They can open doors to top-tier educational institutions and pave the way for promising job prospects, making them a golden chance to shape a brighter future.

Despite substantial government funding of Rs. 94,800 crores and Rs. 99,300 crores in the 2020-21 budget, the Indian education system remains deeply flawed. Government schools and colleges, which predominantly cater to underprivileged students, struggle with low-quality education. This makes a student weigh their options and job opportunities in the informal sector so they can earn sooner than expected. This disparity is worsened by the alarmingly high dropout rate, especially in intermediate classes.

The scholarship has become important because of the following reasons:

1. Increasing cost: The increase in the cost of college, school, and university fees is the number one reason scholarships are helpful for a student. Every year, there is a minimum 5% increase in the tuition fee, particularly for international students. Therefore, it is highly advantageous to enrol in programs that are fully funded and keep a student out of all the financial stress.

2. Student Loan Rate is shooting up: As per recent research, huge numbers of urban families are engaged in mortgages and loans. Which is to send their students for higher studies. On top of that, the loan rate in banks gets high every year and this is why scholarships are important.

3. Basic Living Expenses: College or university students also must go through with food and travel costs. These costs build up slowly and tend to cause a lot of harassment. It becomes all the much more difficult to deal with if the student

and their family have already paid too much for the tuition fee. But receiving a scholarship that takes care of all these costs is highly advantageous.

4. Study Abroad: Scholarships are the best way a student can fulfil his or her dream of studying abroad. Applying for a reputed and prestigious program helps academically as well as personally. This provides students can get global exposure and develop their own interpersonal skills. Scholarships offered by well-established institutions basically cover all the expenses of a student.

Our Scholarship Portal provides a clean and elegant user interface which will support students find scholarships and learn about them. Students will be able to search for scholarships and find the scholarship details including application procedure, deadlines, and list of required documents. Students can use eligibility criteria filters by submitting their student information such as age, gender, family income along with many other fields, which will provide them with a list of various scholarships they are eligible to apply for, making it easier for them to find eligible scholarships at one place.

Problem Statement:

As we know that India is densely populated country and every year more than 6 crores of students graduates from diverse backgrounds. At present, India's higher education enrollment is calculated in terms of Gross Enrollment Ratio (GER), which is the ratio of population in the 18-23 age groups to the number of people enrolled in higher education. According to the All-India Survey on Higher Education (AISHE), India's GER was 28.4 percent for 2021-22. The main reason behind this number is that most of the students coming out of schools can't afford higher education and they must take external help of loans or scholarships. Currently Central Government provides 82000 scholarships per year and the given number of scholarships is no way near the number of students applying for them. There are many NGOs working at the ground level to promote and fund higher education in India but most of the students don't know about them. There are also many companies which provide schemes for higher education funding and students are also not aware of them. Many religious communities also have such schemes in the name of social work. So, the gist of the situation is there are a lot of opportunities lying around for

underprivileged students, but the only problem is they don't know where to look around.

Objectives:

Objective 1: The goal of this project is to develop a web portal that allows students to fill the correct details about their eligibility criteria so that they can see only those scholarships which are according to their eligibility criteria. Thus, it will help students to see all the scholarships at one place and they do not have to anywhere to search for scholarships.

Objective 2: The objective is to provide a platform for the organizations to publish their scholarships and get benefits by providing scholarships to selected students. Thus, students will get benefits from the organizations. An administrator will keep a check on organizations and their scholarships.

Hypothesis:

Impact of Scholarships on Academic Performance:

1. Students who receive scholarships will have significantly higher GPAs than those who do not.
2. Scholarship recipients will be more likely to graduate on time or early than non-recipients.
3. Scholarships will have a positive impact on students' academic motivation and engagement.

Impact of Scholarships on Career Outcomes:

4. Scholarship recipients will be more likely to pursue advanced degrees than non-recipients.
5. Scholarship recipients will have higher-paying jobs than non-recipients.
6. Scholarships will increase students' job placement rates.

Impact of Scholarship Selection Criteria:

7. Students selected based on academic merit will have better academic outcomes than those selected based on financial need.

8. Students from underrepresented groups who receive scholarships will have higher levels of academic and social integration.

Impact of Scholarship Programs on Institutional Diversity:

9. Scholarship programs that target underrepresented groups will increase the diversity of the student body.

10. Scholarships can help to reduce socioeconomic disparities in higher education.

Literature Review

The Impact of Scholarships on Students' Academic Performance: A Case of Tertiary Institutions in Enugu State, Nigeria

Scholarships are given out based on different reasons, often linked to what the person or group giving the money wants to achieve. To understand how scholarships affect students' grades in universities and colleges in Enugu State, Nigeria, we surveyed 540 students from 12 institutions. Using a special statistical method called propensity score matching, we found that students who received scholarships had significantly better grades. Our results suggest that if fewer scholarships were given, grades would drop by 13%. However, if more scholarships were given to students from poor families, grades could improve by 87%.

To help more students, the government, non-profit organizations, and other generous people should focus on giving scholarships to students who are struggling financially. This means providing support to students who can't afford tuition, food, or clothes. The government should also bring back the practice of giving scholarships to students from their home states, regardless of whether they attend public or private institutions.

The Academic Performance of Scholarship Students during Medical School (RBEM)

In Brazil and many other countries, it's important to help students from low-income families succeed in higher education, especially in demanding programs like Medicine. This study compares the performance of medical students who received scholarships to those who didn't. We looked at 417 students who graduated from a public university in Brazil between 2010 and 2013.

We used different statistical tests to compare the grades of these two groups in the middle and final years of their studies, as well as their scores on a test to enter a residency program. We found that students who received scholarships had better grades in both the middle and final years of their studies, but there was no difference in their residency program scores.

Our findings suggest that scholarships can help students from lower-income backgrounds do better in medical school. We believe that it's important to continue supporting these types of programs to help more students succeed.

Do Scholarships Help? Preliminary Results of a Case Study of Students in Scholarship Programmes at Monash University, 1997-2001

From 1997 to 1999, the Australian government offered scholarships to help students from disadvantaged backgrounds attend college. After this program ended, Monash University started its own scholarship program for these students. This study compares the performance of students who received these scholarships to those who received scholarships based on academic merit and to all other students.

We are looking at how well these students do in college, how many of them stay enrolled, and how many of them graduate. We've also asked students about how the scholarships helped them.

Early results show that students who received scholarships for disadvantaged students tend to have good grades. While we can't say for sure that the scholarship money itself is directly responsible for this, the students we talked to said that the scholarships boosted their confidence and made them feel good about their academic achievements.

HOPE or No-HOPE: Merit-Based College Scholarship Status and Financial Behaviours Among College Students

Merit-based scholarships, such as Georgia's HOPE Scholarship, have gained significant traction in recent years as a tool to incentivize academic achievement and promote higher education access. While these programs undoubtedly

contribute to increased enrolment and improved academic performance, their long-term impact on students' financial behaviour remains a subject of interest.

The HOPE Scholarship, established in 1993, provides substantial financial support to eligible Georgia residents, covering tuition, fees, and a book stipend. To maintain eligibility, students must maintain a minimum GPA of 3.0. However, those who fall short of this academic standard lose access to the scholarship, potentially facing significant financial burdens.

This study delves into the financial practices of former HOPE Scholarship recipients, aiming to understand the consequences of losing such substantial financial aid. By examining factors like credit card debt, student loan debt, and overall financial literacy, the research seeks to identify potential vulnerabilities and inform policy decisions that can mitigate these challenges.

The concurrent rise in the cost of higher education and student loan debt in the United States underscores the importance of understanding the financial implications of merit-based scholarship programs. By analysing the financial behaviours of students who have lost their scholarship eligibility, this study contributes to a broader understanding of the complex interplay between academic achievement, financial aid, and student debt.

The findings of this research can inform policymakers and higher education institutions in developing strategies to support students who may face financial difficulties after losing their merit-based scholarships. By providing targeted financial counselling, debt management programs, and other support services, institutions can help mitigate the negative consequences of losing scholarship eligibility.

Ultimately, this study aims to contribute to a more comprehensive understanding of the long-term impact of merit-based scholarships on student financial behaviour. By addressing the financial challenges faced by former scholarship recipients, policymakers and institutions can work towards creating a more equitable and sustainable higher education system.

The China Scholarship Council: An Overview

In recent years, there's been growing concern in the U.S. about the Chinese government's potential influence on Chinese students studying abroad. While some Chinese student groups have reported pressure from the Chinese government, the U.S. Department of Justice has also accused Chinese students of visa fraud and acting as agents of the Chinese government.

One way the Chinese government might influence students is through scholarships. The China Scholarship Council (CSC) is a major player in this, funding thousands of Chinese students to study both in China and abroad. While the CSC's stated goal is to promote international education, it also encourages scholarship recipients to return to China after their studies.

Here are some key points about the CSC and its impact:

- **Significant Funding:** The CSC funds many students, both foreign and Chinese.
- **Focus on Graduate Students:** Most CSC scholarships are awarded to Chinese graduate students.
- **Limited Impact on U.S. Students:** While a small percentage of Chinese students in the U.S. receive CSC funding, the actual number is likely even smaller.
- **Encouraging Return to China:** The CSC strongly encourages scholarship recipients to return to China after their studies.
- **Desire to Stay in the U.S.:** Despite the pressure to return to China, most Chinese STEM PhD students in the U.S. intend to stay.

Understanding the role of the CSC and its influence on Chinese students studying abroad is crucial for navigating the complex geopolitical landscape and ensuring the integrity of academic research and innovation.

Our Observation

The above were in respect to scholarships schemes in other countries. If we talk about our nation, according to the AISHE report (2018-19), the total number of

students in higher education is 37.4 million. Scholarships are more than just financial help. They're like investments in people's potential, helping them overcome challenges and make a difference.

With scholarships for different fields and groups, we can create a more fair and equal society.

Scholarships also boost students' confidence and motivation. Knowing someone believes in them can encourage them to work harder, aim higher, and get more involved.

College graduates often earn more, which can help them and their families escape poverty. Scholarships often include mentorship, career advice, and networking opportunities, especially helpful for first-generation college students.

Scholarships let students explore, innovate, and contribute to knowledge in various fields. This encourages curiosity and experimentation, leading to breakthroughs in science, technology, arts, and humanities.

| Year | General | SC | ST | OBC | Muslim | Other Minorities | Total |
|-------------------------|---------|------|------|-------|--------|------------------|-------|
| 2018-19 (in percentage) | 35.8 | 14.9 | 5.5 | 36.3 | 5.2 | 2.3 | 100 |
| 2018-19 (in millions) | 13.39 | 5.57 | 2.06 | 13.58 | 1.94 | 0.86 | 37.4 |

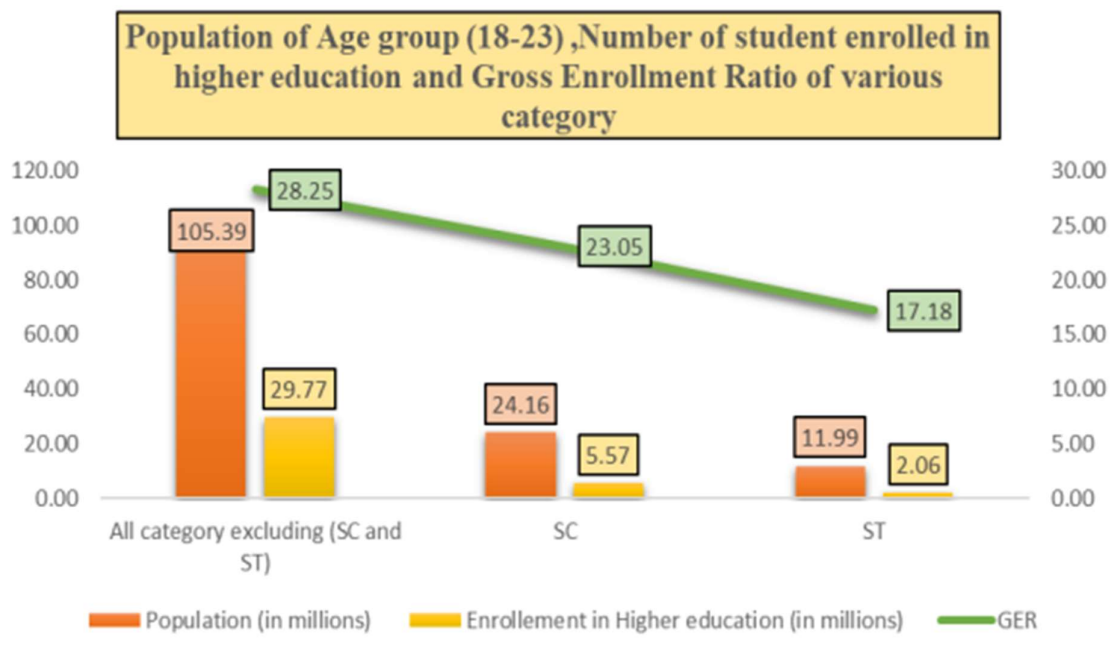
A low enrolment rate in higher education doesn't fully show how difficult it is for certain groups to attend college. Some people might say that these groups have fewer people, so it's natural for them to have fewer students in college too.

To see the real picture, we need to look at the Gross Enrolment Ratio (GER). GER shows how many people from a certain group are enrolled in higher education, compared to the total number of people in that group.

To calculate GER, we use this formula:

*GER: (Number of students in a particular category who are enrolled in higher education / Total population in a particular category in the age group (18 – 23)) * 100*

Figure: Population of age group (18-23) in India, Number of students enrolled in higher education and Gross Enrollment ratio in various category.



One of the most significant impacts of scholarships is the creation of a highly skilled and educated workforce. When students from underserved communities receive scholarships, they gain access to quality education, enabling them to acquire the necessary knowledge and skills to excel in various fields. This, in turn, contributes to the overall development of the nation, driving economic growth and innovation.

Moreover, scholarships foster social mobility, allowing individuals to transcend socioeconomic barriers and achieve their aspirations. By investing in the education of talented students, scholarships help create a more equitable society where merit, rather than privilege, determines success.

In addition to their individual impact, scholarships have a ripple effect on communities. Scholars often become role models, inspiring younger generations to pursue higher education and strive for excellence. They contribute to their

communities through various initiatives, such as volunteering, mentorship, and social entrepreneurship.

Methodology

Module description:

1.Login Page

Give a good user interface for all pages. designing is also as important as coding Every field in ., every pages of this app is mandatory. i.e. if any of the field is not filled then a toast message should be displayed saying “PLEASE FILL ALL THE FIELDS”. After logging in, show message “SUCCESSFULLY LOGGEDIN”. After login go to main page

2. Register page

Password should be strong. We are adding our account details in this page. Main page will be known as the home page from which the user will be navigating into other subpages of the system.

3.Student

Student can apply for the scheme using ID card, adhaar card of student and mother, student certificate. Check status of the application and provide feedback

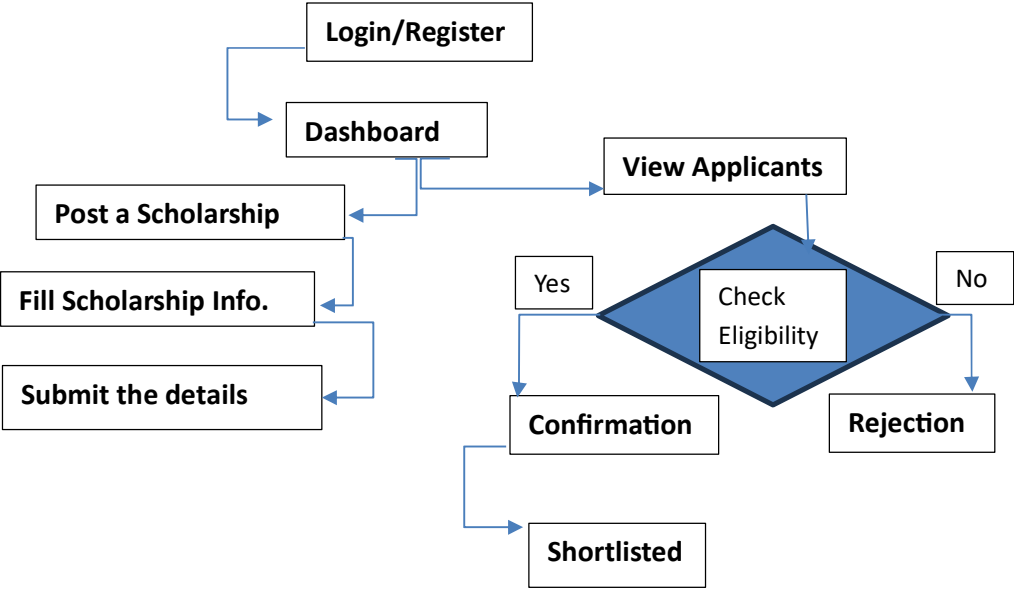
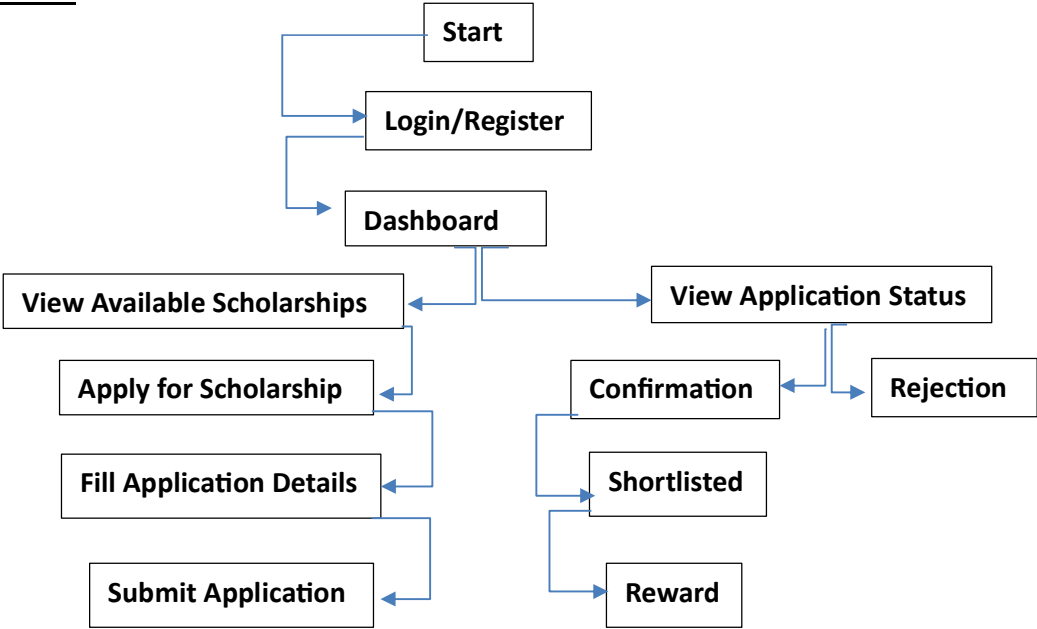
4.Sponsor

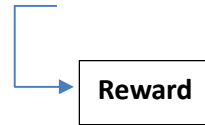
Sponsor can post the scholarship with the description, eligibility criteria, deadline, e.t.c and proctor the applicants who applied to them, he can accept or reject the application based on his observation.

5.Home

profile, setting, logout When we click home button in slide window redirect the page to home page. When we click profile button just show the details of the user. Just add settings button no changes must happen. When we click logout button redirect to login page.

Flowchart





Conclusion

So, it will be reduced time consuming for Sponsor and the students also. It is fully automated system using web application “scholarship Management System”. Earlier System are fully manually maintained by student’s records. At anywhere anytime admin can View public documents. Admin maintained all Documents and updated public details. In conclusion, the development of a scholarship portal holds immense potential in streamlining and enhancing the management of scholarship programs. Through the research on our problem, it becomes evident that such a portal can serve as a centralized platform for students to explore available scholarships, submit applications, and track their progress. Additionally, it offers administrators efficient tools for reviewing applications, shortlisting candidates, and ultimately awarding scholarships.

It centralizes information about various scholarships, their eligibility criteria, application deadlines, and required documents. By providing a user-friendly interface, scholarship portals allow students to easily search, apply, and track their applications. These portals often include features like personalized recommendations, document upload capabilities, and progress trackers. By simplifying the scholarship application process, portals empower students to pursue higher education and achieve their academic goals.

By leveraging technology to automate processes and improve accessibility, the scholarship portal project aims to address key challenges in scholarship administration such as cumbersome paperwork, inefficiencies in application handling, and limited transparency in the selection process. Furthermore, the portal promotes inclusivity by providing equal opportunities for students from diverse backgrounds to access financial aid for their education. In essence, the scholarship portal project represents a promising initiative with the potential to revolutionize the landscape of scholarship management, fostering greater

efficiency, transparency, and accessibility in the distribution of financial aid to deserving students. As we embark on the implementation phase, it is imperative to remain committed to the project's objectives and continually refine the portal to meet the evolving needs of the scholarship ecosystem.

References

HOPE or No-HOPE: Merit-Based College Scholarship Status and Financial Behaviours Among College Students (By Joseph W. Goetz, Yoko Mimura, Miti P. Desai, and Brenda J. Cude)

The Impact of Scholarships on Students' Academic Performance: A Case of Tertiary Institutions in Enugu State, Nigeria (By Ambrose Nnaemeka Omeje, Solomon Ogbonna Abugu)

The Academic Performance of Scholarship Students during Medical School

(By Glaucia de Oliveira Moreira, Silvia Passeri, Paulo Eduardo Neves Ferreira Velho, Flavio Ferraresi, Simone Appenzeller, Eliana Amaral)

The China Scholarship Council: An Overview (By Ryan Fedasiuk)

Do Scholarships Help? Preliminary Results of a Case Study of Students in Scholarship Programmes at Monash University, 1997-2001 (By Donna Aiteken, Eric Skuja, Cathy Schapper)