

# A PORTAL TO SEARCH THROUGH ALL THE TOP UNIVERSITIES BASED ON YOUR PREFERENCES

<sup>1</sup>Gokul Tapadia, <sup>2</sup>Sharayu Amale, <sup>3</sup>Shipra Suple, <sup>4</sup>Prof. N. G. Gupta

<sup>1,2,3</sup>B.E. Student, <sup>4</sup>Assistant Professor  
Department of Computer Science and Engineering  
Sipna College of Engineering and Technology  
Amravati, India,

**Abstract-** A platform that aims to empower students, educators, policymakers, and the general public with valuable insights into the educational landscape, fostering informed decision making and promoting transparency. The goal is to create a user-friendly and informative website designed to provide a comprehensive overview of all universities based on various statistical metrics, emphasizing the representation of data. Gain insights into academic achievements through percentage-based indicators like pass rates, average GPA, and research output. Also facilitates comparisons between universities, assisting users in assessing the academic strengths and weaknesses of each institution.

**Index Terms:** University, Education, Platform, Portal, Information.

## I. INTRODUCTION

All Information regarding research and scientific cooperation opportunities, education, and opportunities for further education must be included in a university's information system. The continual changes in education and the acceptance of different degrees by students have an impact on how university applications continue to evolve. There were new technologies developed, including proprietary developments, course evaluation software, and e-learning systems. Integration is required in order to retrieve information for the university and to merge data throughout the entire department or university. The management-student dialogue must be enhanced by an integrated university information platform. Finding suitable institutions in the shortest amount of time was initially difficult since we had to consider all of their features and characteristics, including the courses they offered, their costs, their deadlines, and other general information.

## II. LITERATURE REVIEW

A portal which draws inspiration from these scholarly discussions to create a platform that synthesizes key concepts, utilizing percentage-based metrics to enhance transparency, inclusivity, and user engagement in the context of higher education.

1. *Percentage-Based Metrics in Higher Education:* Literature on educational metrics highlights the significance of using percentages to represent data in a comprehensible manner. Researchers such as Smith and Johnson et al. argue that percentage-based metrics enhance the accessibility of complex data, allowing stakeholders to quickly interpret and compare key indicators, such as enrollment rates, graduation rates, and academic achievements.
2. *Diversity and Inclusion in Education:* The importance of demographic representation in universities has been extensively discussed by scholars like Brown and Garcia et al. These studies emphasize the role of percentages in conveying the diversity within student and faculty populations, contributing to discussions on inclusivity and social equity in higher education.
3. *Alumni Outcomes and Success Rates:* The impact of higher education on alumni success has been studied by researchers like Anderson and Kim et al. These studies delve into the significance of presenting alumni success rates through percentages, offering a tangible measure of the real-world impact of a university education.

One issue with the current systems is that they lack a method for recommendation. The recommendation system is a crucial component that gives users access to a list of institutions that are automatically assessed by the software using the input data that users supply to it. While there are many websites that offer details about university facilities, relatively few also offer suggestions to their registered users. This site is required to lessen the work that students must put forth in order to learn which university applications they can submit and what their chances of acceptance are. Based on the user's

educational background, this system evaluates and produces a list of institutions to which the user can submit an application. One problem with the existing systems is that they don't have a suggestion mechanism. A key element that provides customers with a list of colleges that are automatically evaluated by the software based on the input data they provide is the recommendation system. While a lot of websites provide information about university amenities, not many of them also allow registered users to make ideas. This website is necessary to reduce the amount of work students have to do to find out which applications to send to universities and what their chances of admission are. This system assesses and generates a list of colleges to which the user can apply based on their educational background.

**III. PROBLEM STATEMENT**

There are a lot of problems that students face when searching for different universities. Finding the right university is one of the most difficult problems that students face. This problem is due to the fact that there is a lot of irrelevant and promotional information available on the portal. Therefore, it is essential to create a portal that will help students get the accurate and desired information from the portal. Additionally, there needs to be a robust system for students that will give us accurate and efficient results.

**IV. PROPOSED STATEMENT**

This portal goes beyond academic statistics by incorporating demographic and diversity analytics. This innovation addresses the growing need for transparency and inclusivity in higher education, providing users with insights into the diverse makeup of student and faculty populations. The core innovation lies in presenting all data in a percentage format, making it easily digestible and comparable. This innovative approach simplifies complex metrics, setting this apart from traditional university information platforms. The steps we have included are Collecting accurate and up-to-date data from reliable sources for all universities. Creating a database schema that accommodates the collected data. Also Creating interactive prototypes to visualize the user interface and flow. This platform is Django based project which uses python language for its development and for frontend we propose to use html, CSS and Bootstrap.

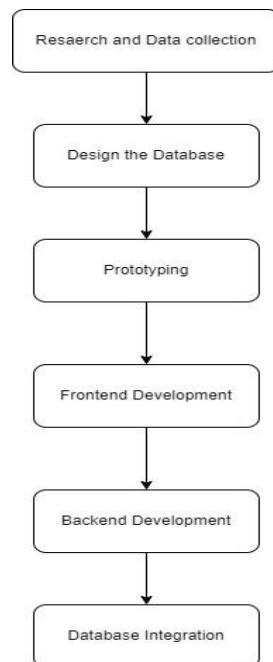


Fig. The Development process of the portal

**V. DATA FLOW DIAGRAM**

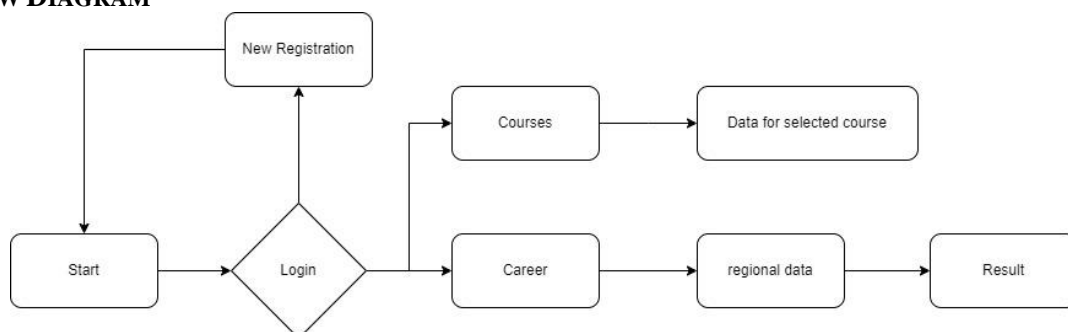


Fig. Data Flow Diagram of Portal

## VI. CONCLUSION

The proposed system will make it easy for students to find information about different universities with just one click. This system may help students to find the best universities for their careers. The proposed mechanism will be tested with the help of the web so that it can be accessed anywhere. This system will make it easier to automate the manual system. This system will reduce the human effort required and provide accurate information. All the information is available in one place. Therefore, it is better to use a web-based system that is easily accessible. Therefore, it can be concluded that the system is feasible from all angles to help the student to understand the system.

## REFERENCES:

- [1] Anakin, M., Spronken-Smith, R., Healey, M., & Vajoczki, S. (2018). The contextual nature of university-wide curriculum change. *International Journal for Academic Development*, 23(3), 206-218.
- [2] Annala, J., & Mäkinen, M. (2017). Communities of practice in higher education: contradictory narratives of a university-wide curriculum reform. *Studies in Higher Education*, 42(11), 1941-1957.
- [3] Boyce, M. E. (2003). Organizational learning is essential to achieving and sustaining change in higher education. *Innovative Higher Education*, 28(2), 119-136
- [4] Cai, Y. (2017). From an analytical framework for understanding the innovation process in higher education to an emerging research field of innovations in higher education. *The Review of Higher Education*, 40(4), 585-616
- [4] Inclusive and Qualitative Expansion of Higher Education :Compilation Based on the Deliberations of the Working Group for Higher Education in the 12th Five-Year Plan (2012-17), University Grants Commission, New Delhi, November 2011, p.09
- [4] Inclusive and Qualitative Expansion of Higher Education Compilation Based on the Deliberations of the Working Group for Higher Education in the 12th Five-Year Plan (2012-17), University Grants Commission, New Delhi, November 2011, p.09
- [5] Higher Education in India: Issues, Concerns and New Directions, U.G.C. New Delhi, December 2003, p.iii
- [6] Prof. Ram Takwale, Challenges and Opportunities of Globalization for Higher Education in India – Alternatives through e-Education, Golden Jubilee Lecture Series, UGC, December 2003, pp.03-04.
- [7] “Preface” in Higher Education in India: Strategies and Schemes during Eleventh Plan Period (2007-2012) for Universities and Colleges, UGC, New Delhi, January – 2011