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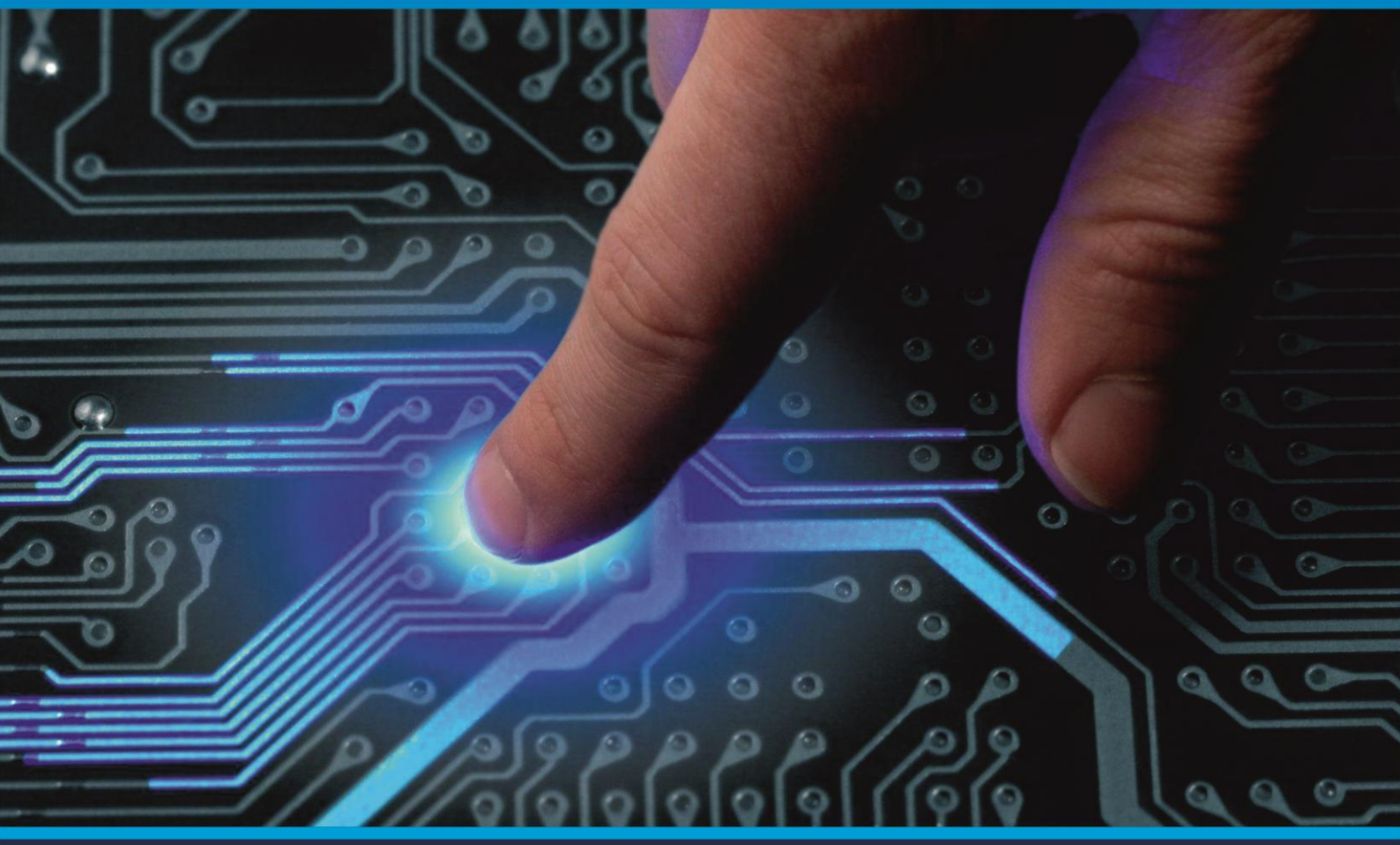

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Career Guidance Web Application

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ABSTRACT: The future depends on what you do today. So today if one is not clear about how and what right path he/she needs to take to balance present and future then it's a matter of concern. Competition in today's education and career world is at peak. Importance of correct guidance for different colleges and jobs related queries are other fundamentals for better future. Nowadays students are often facing a dilemma in deciding to choose a career in their life. Students get confused about their career which is the defining point of their life. There are several factors that influence the students while choosing their career path such as their personal aptitude, educational achievements and their environment. From completing their first degree or under graduation students are always in some sort of difficulty when it comes to choose a career path which may suit their skill and potential the best. Our system helps in guiding the students for choosing the appropriate field. For that we will be taking their information which will mainly include the user's qualifications, interest area and other academic related data. On the bases of which it will suggest a list of colleges so, it will make it a bit easier for students. Also it is important to be aware of the notified vacancies in time so that aspirants can apply within the given time frame and can prepare for the job as well. Teacher also needs a stable and easily accessible platform to search for vacancies in different schools and colleges as per the data provided.

KEYWORDS: Career guidance: colleges, job opportunity, Client Server, Colleges, Job opportunity, Web Applications, Data Mining.

I. INTRODUCTION

Competition in today's society is heavily multiplying day by day. Especially it is too hard in present days to face the technical world. So as to compete and reach the goal of students, they need to be planned and organized from initial to the final stages of their education and when it comes to education we only think of students but not only students the teachers also face difficulties in finding jobs or you can say vacancies. Career guidance and employment is very importance thing in one's life. Because if one get proper guidance then can make greater career in their favourite field After primary and secondary education it is not affordable and easy to go and visit the institutes which he/she likes it's not an easy thing, so what comes to one's mind is surfing over the internet which has become a very common but also a very important medium of interaction. The application helps students to search the institutes according to their requirements, interest. Through the concept of data mining our primary focus is to help more students as well as teachers from the rural area that are not able to visit the campus before getting admission and job recurrent to it. By using this website students will get to know about colleges where as teachers will get to know about vacancies in different colleges. The proposed system is very easy to use, and anyone can use this website on through browsers or on the smart phone also.

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II. SCRUTINY WORK

Project Name/Paper Title	Year	Work	Merits	Demerits
[1]Career Guidance System	2018	Provide Guidance to with the help of aptitude test.	It allows Students to choose career path based on their Aptitude, Skill and nature.	Does not give importance on academic scores and other interest factors.
[2]E-Counselling	2018	Counselling to suggest best possible college as per stream	It provides free counselling , suggest suitable streams and recommend colleges	Suggestions of various courses is not provided
[3]Online Career Guidance System	2019	Guidance with the two different aptitude test for school students	It provides two aptitude tests for clear vision.	It is only applicable to SSC boards.
[4]Smart Career Guidance and Recommendation System	2016	Recommends carrier suggestion on the basis of all fields skills analysis	This model allows students to choose a career path based on their sports, academics and their hobbies, interests, and knowledge.	It is only applicable for the students of technical fields.

III.PROPOSED METHODOLOGY

Basic Web Application Working

By visiting the application user triggers a request to the web server over the Internet either through a web browser or at the application's user interface. Then the web server forwards this request to the appropriate web application server. The web application server performs the requested task such as querying the database or processing over data and generates the result requested. Then the web application server sends the results to server with all information over data. And lastly web server responds back to the client which information is displayed is displayed on user display.

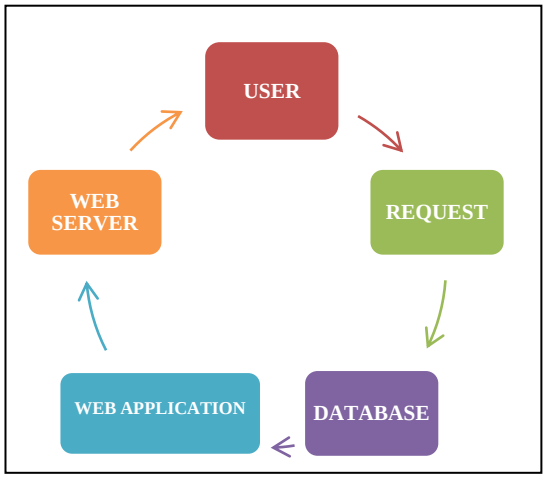

Figure 1: Web Application Working Cycle

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Proposed System Methodology

1. System Architecture

A system is the conceptual method model that defines the structure, behaviour and more views of a system. Client Server architecture is a shared architecture system. It is centralized resource system where server holds all the resources and fulfills clients' request. It is service oriented which means the client service will not be interrupted. The client side is made up of the mobile application and the web application. The application contains information that the students and teachers are struggling and are required to answer.

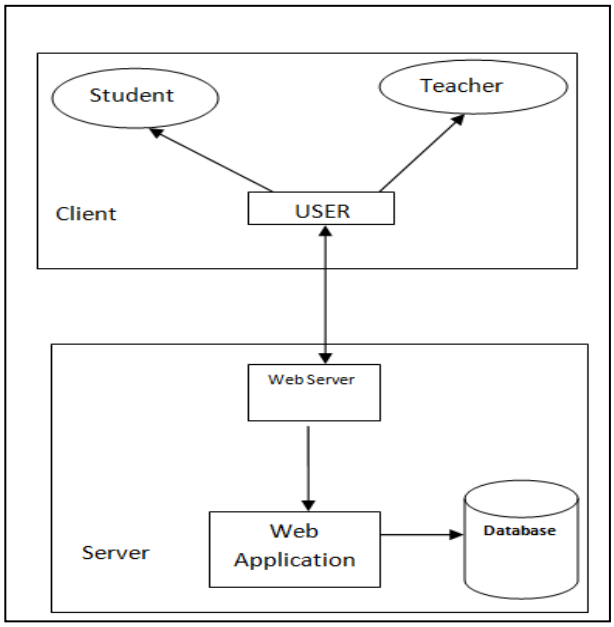

Figure 2: Architectural diagram

2. System Design

There are three modules used in the proposed system which performs function as follow and below is the system design diagram

Admin

- Add colleges, courses information's and update.
- Adds latest jobs vacancies available for teachers.
- Analyses test results

Student

- Login and register themselves
- Search colleges as required
- Explore courses and entrance exams
- Take test if confused

Teacher

- Login and register themselves
- Search and discover latest jobs

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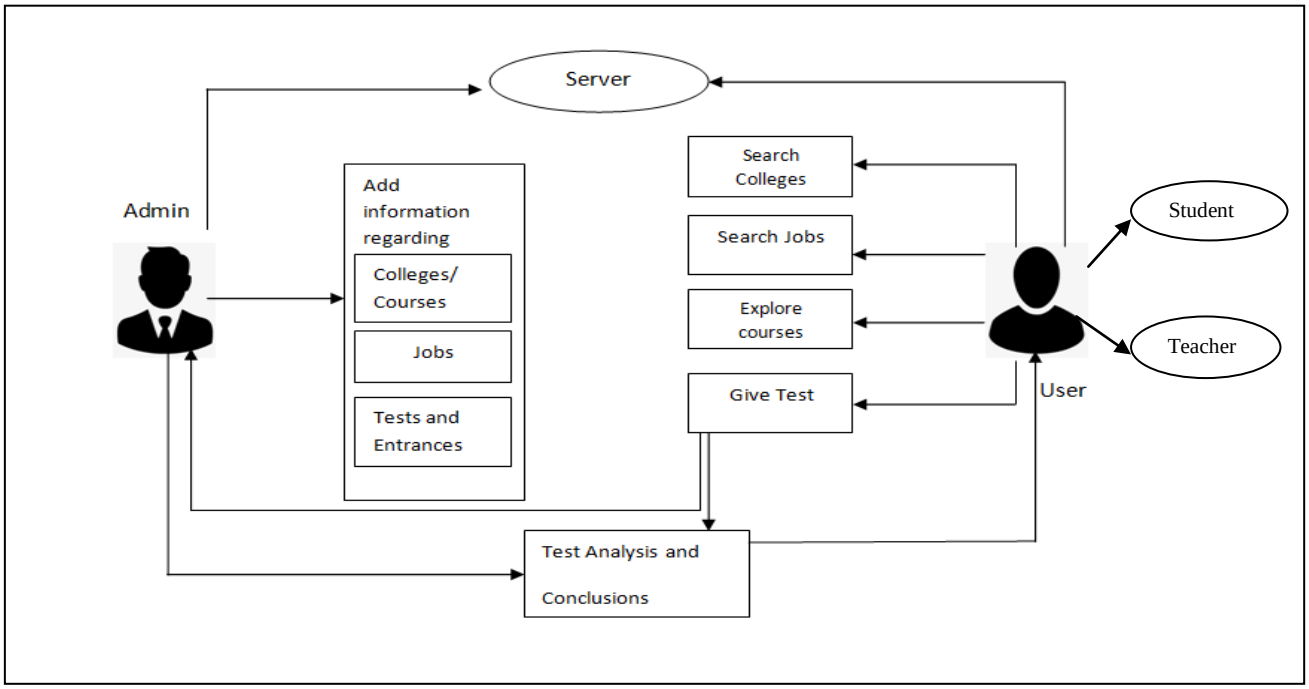

Figure 3: System Design

3. User Interface Flow

As soon as the user visits our application he\she needs to create an account for login by filling basic credentials like name and email etc. If already have an account then simply login and access the information available about colleges courses job vacancies etc. Here the request and reply algorithm of client and server will take place. User can also take test and explore other available data options.

The system will also display the latest updates related to educational sector as notifications to the user as well as the web application will be friendly to the future updates. This web based application is platform friendly i.e. can be used by the browsers and the smart phones at the same time.

IV. REQUIRED SPECIFICATION

Software resources required

- Operating System: Windows 07 and above
- Software: Eclipse, Xampp, Apache Tomcat.
- Front End : CSS, HTML, Java
- Back End : MySQL
- Web Browser : IE 8.0 or Chrome

Hardware resources required

- Processor: Intel Core I3 or Above
- RAM: 4 GB or Above
- Hard Disk: 5 GB (min)

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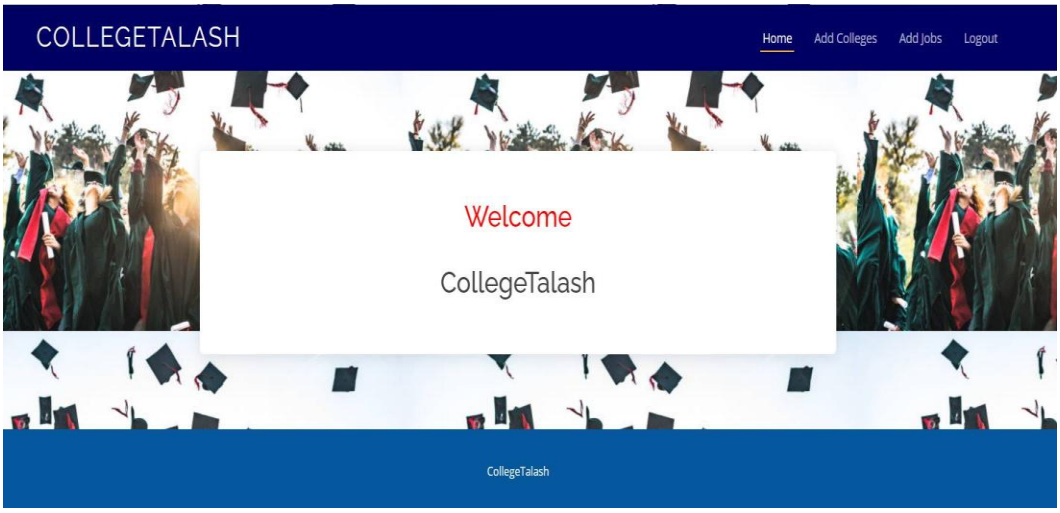
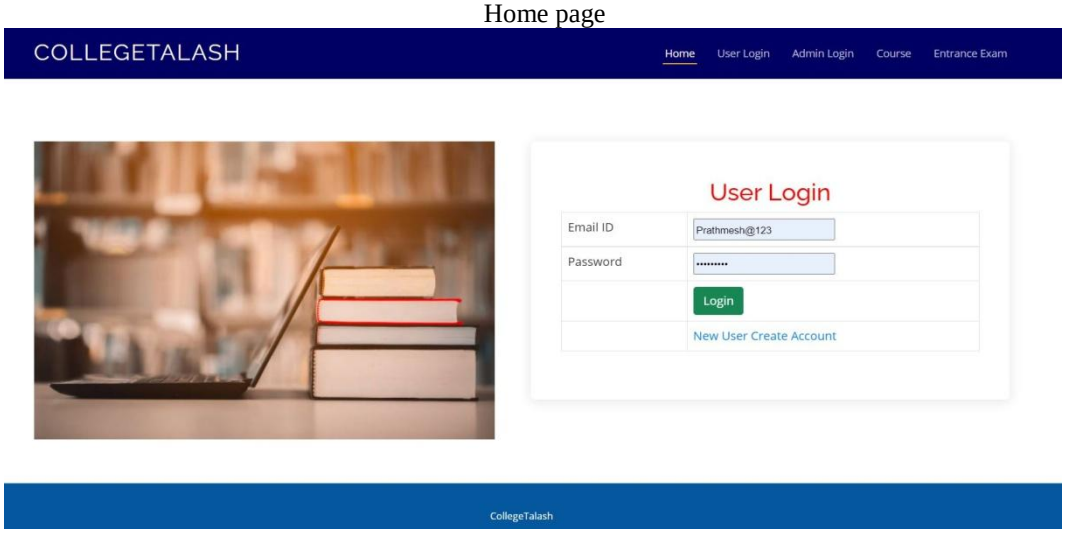
V. RESULTS

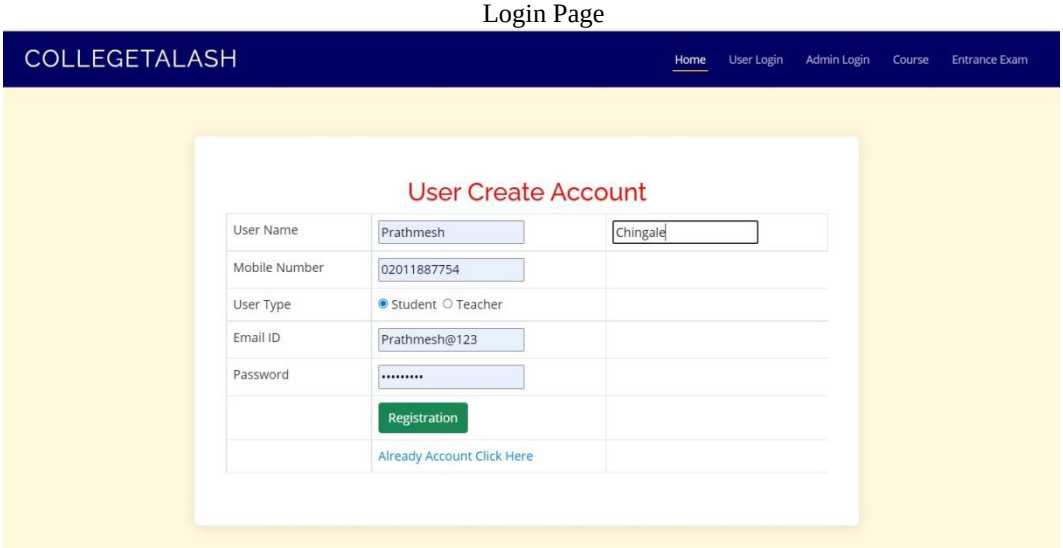
The final look of developed web application system.



Home page



Login Page



Registration Page (Student/Teacher)

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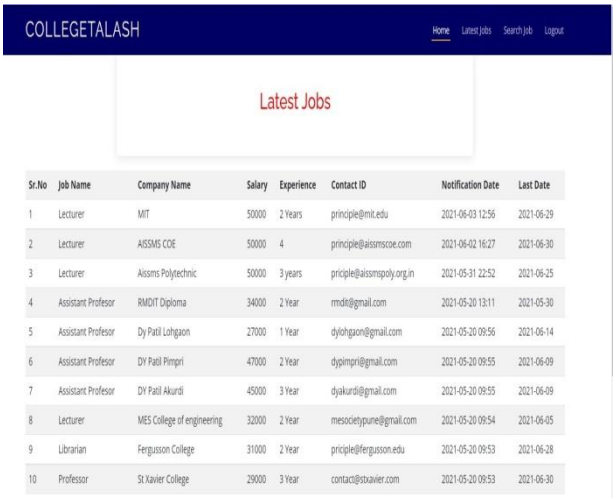
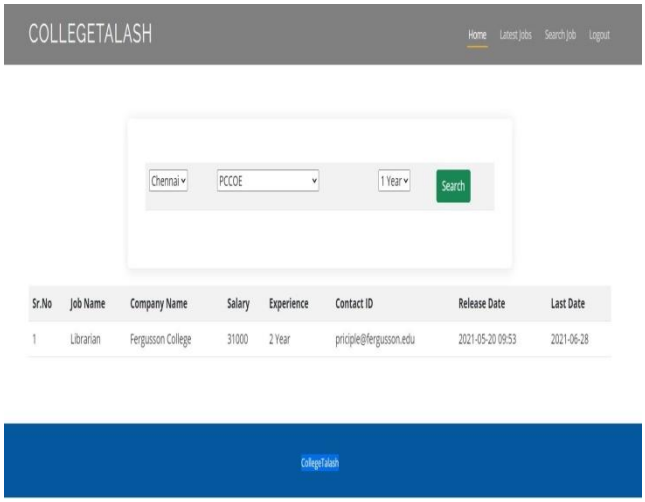
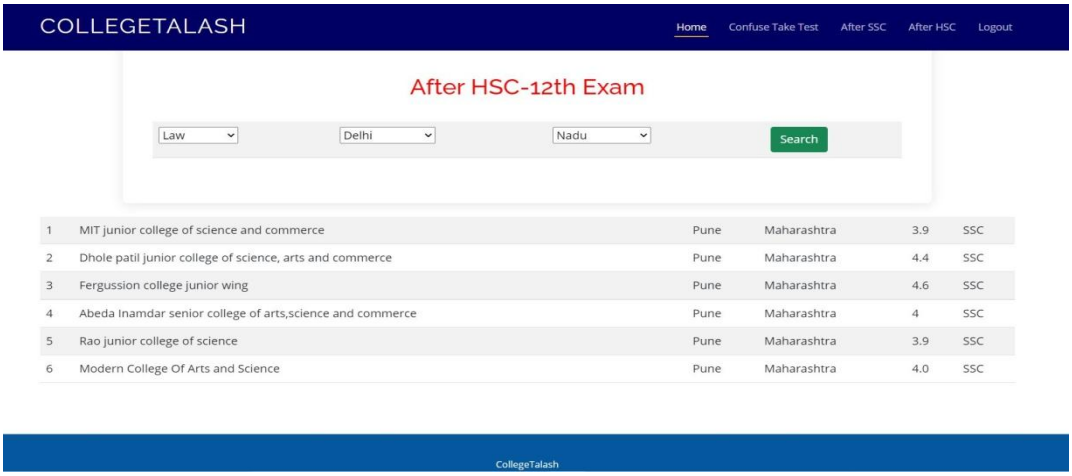


Sr.No	Job Name	Company Name	Salary	Experience	Contact ID	Notification Date	Last Date
1	Lecturer	MIT	50000	2 Years	principle@mit.edu	2021-06-03 12:56	2021-06-29
2	Lecturer	AISSMS COE	50000	4	principle@aissmscoe.com	2021-06-02 16:27	2021-06-30
3	Lecturer	Aissms Polytechnic	50000	3 years	priciple@aissmspoly.org.in	2021-05-31 22:52	2021-06-25
4	Assistant Profesor	RMDIT Diploma	34000	2 Year	rmdit@gmail.com	2021-05-20 13:11	2021-05-30
5	Assistant Profesor	Dy Patil Lohgaon	27000	1 Year	dylohgaon@gmail.com	2021-05-20 09:56	2021-06-14
6	Assistant Profesor	DY Patil Pimpri	47000	2 Year	dypimpri@gmail.com	2021-05-20 09:55	2021-06-09
7	Assistant Profesor	DY Patil Akurdi	45000	3 Year	dyakurdi@gmail.com	2021-05-20 09:55	2021-06-09
8	Lecturer	MES College of engineering	32000	2 Year	mesocietypune@gmail.com	2021-05-20 09:54	2021-06-05
9	Librarian	Fergusson College	31000	2 Year	priciple@fergusson.edu	2021-05-20 09:53	2021-06-28
10	Professor	St Xavier College	29000	3 Year	contact@stxavier.com	2021-05-20 09:53	2021-06-30



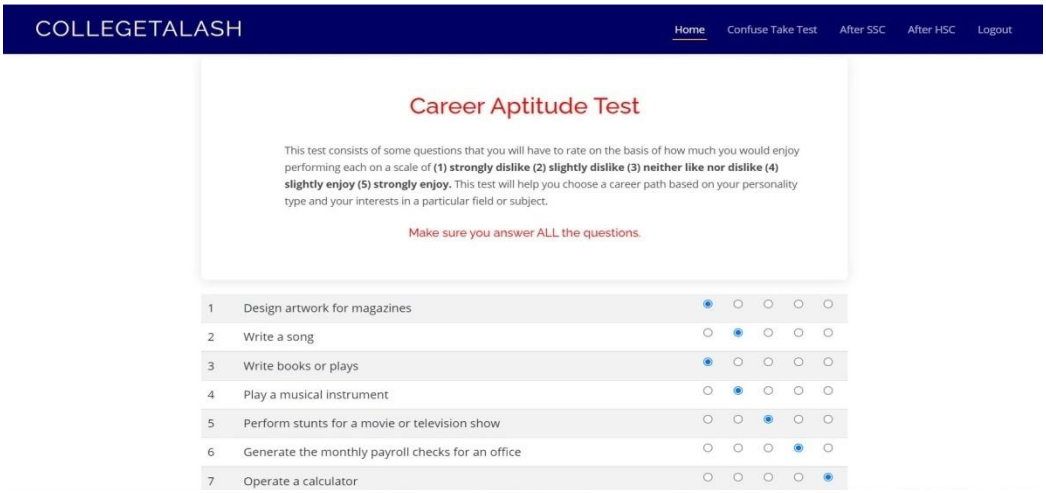
Sr.No	Job Name	Company Name	Salary	Experience	Contact ID	Release Date	Last Date
1	Librarian	Fergusson College	31000	2 Year	priciple@fergusson.edu	2021-05-20 09:53	2021-06-28

Search Jobs



1	MIT junior college of science and commerce	Pune	Maharashtra	3.9	SSC
2	Dhole patil junior college of science, arts and commerce	Pune	Maharashtra	4.4	SSC
3	Fergussion college junior wing	Pune	Maharashtra	4.6	SSC
4	Abeda Inamdar senior college of arts,science and commerce	Pune	Maharashtra	4	SSC
5	Rao junior college of science	Pune	Maharashtra	3.9	SSC
6	Modern College Of Arts and Science	Pune	Maharashtra	4.0	SSC

College Search Result



Aptitude Test

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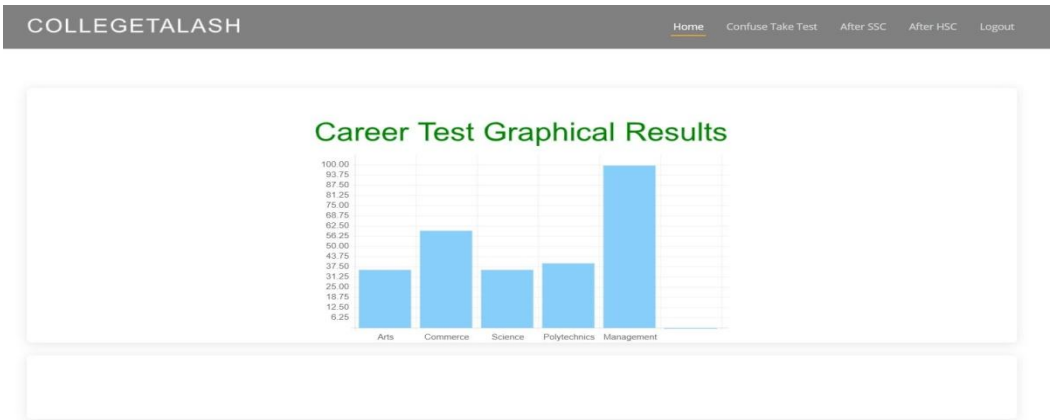
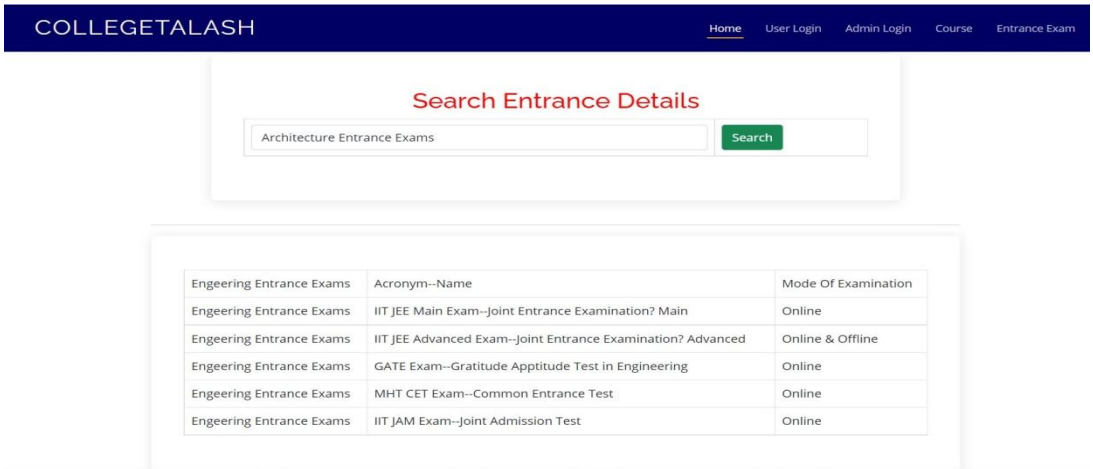
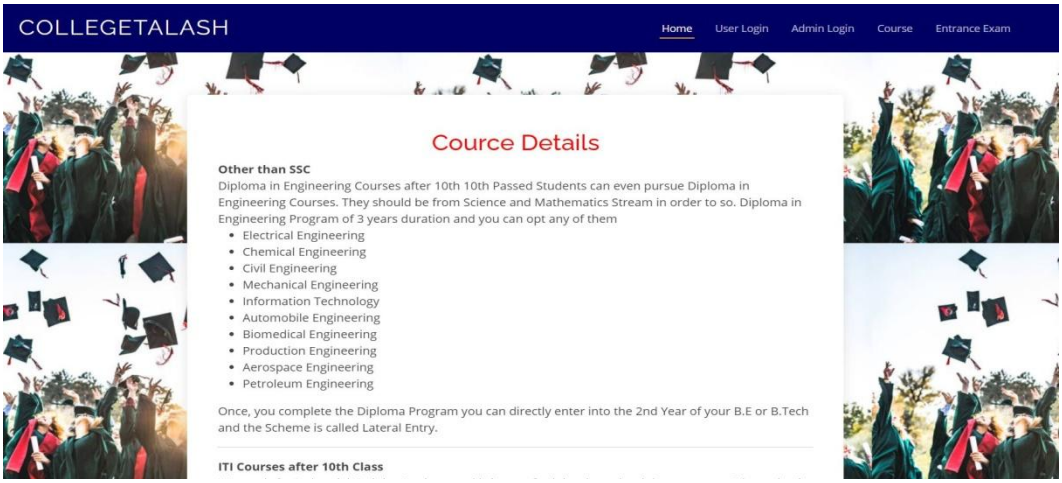


Test Analysis



Explore Entrance Eames



Other courses

VI. Conclusion and Future Scope

The system a visionary framework about college courses and job vacancies to the students and job seeking teachers named as "COLLEGETALASH" The research and data provided will surely meet the validity and reliability of the

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current career needs. The variable options of career test create, profile creates and job filter will enhance the college search frequency and quality. The review system will help us to identify the deemed concerns of users. Different applications and sites through which is achieved. But the idea we came up was one stop solution for educators out here. The web-based college career guidance project will serve as a complementary tool interest and the future based on it.

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