

AI based college information search system

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Abstract - This document gives a brief information on our project AI based college information search system and explains how we came up with our idea and implemented it. This project is developed to assist students in taking wise decision during the crucial process of taking college admissions. As of now students face lot of problems during their admission process and our projects sheds light on their dilemma. Currently there is no one stop portal for this problem. By using our system students can find all necessary information about their desired college easily. And the current document provides details information on our project.

1. INTRODUCTION

The project is developed with a simple objective to help students and as we ourselves are students we have or are facing the same problem. Out of many problems we face one of them is admission process for colleges. The main moto for our final year project was to develop a project that can solve one of our problems, problems of student life.

In its core of it our project is a information giving website. We have made website as well as android application of it. The website uses PHP, MySQL, and ajax in backend and html CSS and JQuery in the front end. The website is converted into android application. For which we have used android studio.

Our project has two modules one for the admin which will be the controller of the website and another that is for the user. Students will need to sign up on our website to use its services.

The project is web-based as well has an android application for more ease of use.

We believe our project is 100% practicality and can be very useful for the students in need.

2. HOW WE CAME UP WITH OUR IDEA

During our admission process we faced a lot of issues for obtaining the complete information about the desire college. In the first place it was difficult to find information itself. The information which we obtained from the online sources were not relevant and consisted of incomplete information.

The information consisted of basic information such as phone number, address and coursers available. The information which we were looking forward were not available. The information we were looking for was the

detailed information about colleges, detailed in a sense not its contact and address details but about what is college affiliation details, its staff details their qualification and all, also about college campus selections, companies that visit for campus interviews. As we wanted a one stop portal to obtain all this information, where students can receive all the necessary and required information.

We decided to make a website which would have all the data of different colleges in detail that student can really use. We also decided to introduce an AI based chat bot with which students will interact to get information by chatting with it.

2. IMLEMENTATION OF PROJECT

Project Language

Front End: Microsoft ASP.Net ,Jquery
Back End: Microsoft SQL Server , PHP, AJAX

The Microsoft Visual Studio development system is a suite of development tools designed to aid software developers—whether they are novices or seasoned professionals—face complex challenges and create innovative solutions.

Reliable: Visual Studio is engineered and tested to be consistently dependable, secure, interoperable, and compatible. Visual Studio offers an unmatched combination of security features, scalability, and interoperability. Although Visual Studio always incorporates forward-thinking features, it is designed to ensure backward-compatibility wherever possible.

Visual Studio and the Microsoft Application Platform

The Microsoft Application Platform is a portfolio of technology capabilities, core products, and best practice guidance focused on helping IT and development departments partner with the business to maximize opportunity.

* Increase productivity and quality through integrated and familiar tools.

* Deploy, secure, and support your critical Web applications and infrastructure.

* Reduce costs through better visibility of your development process.

-2integrated process and methodology support.

SQL Server

Microsoft SQL Server 2005 is a comprehensive, integrated data management and analysis software that enables organizations to reliably manage mission-critical information and confidently run today's increasingly complex business applications. SQL Server 2005 allows companies to gain greater insight from their business information and achieve faster results for a competitive advantage.

PHP

Php is used in backend for creating forms and to make connection with different links of the website. It becomes easy to make dynamic website using and by using ajax along with it you can truly make website flow from one page to another without any problem and continuous refresh.

AJAX

Ajax uses XHTML for content, CSS for presentation, along with Document Object Model and JavaScript for dynamic content display. Conventional web applications transmit information to and from the sever using synchronous requests. It means you fill out a form, hit submit, and get directed to a new page with new information from the server. With AJAX, when you hit submit, JavaScript will make a request to the server, interpret the results, and update the current screen. In the purest sense, the user would never know that anything was even transmitted to the server.XML is commonly used as the format for receiving server data, although any format, including plain text, can be used. AJAX is a web browser technology independent of web server software.

3. FLOW LAYOUT

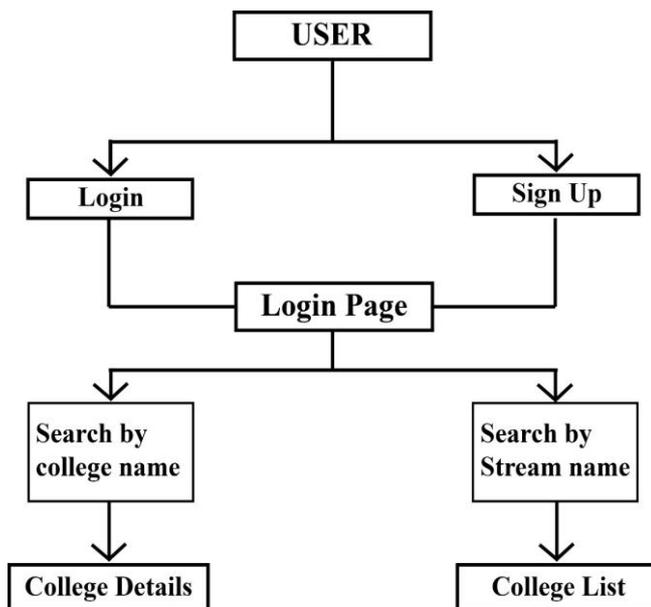


Fig -1: Student Login Page Layout

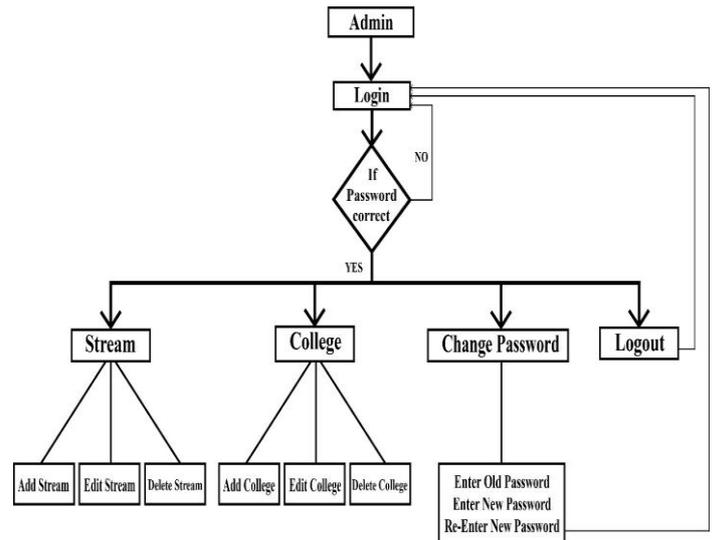


Fig -2 Admin Page Layout

4. Working

The project is divided into two modules

Admin

Admin has a control over adding college database. The college database consist of phone number, college address, college email ids, staff informations and companies that visit that college for campus selection.

He has a ability to control the student account. He has student database and could monitor the student account.

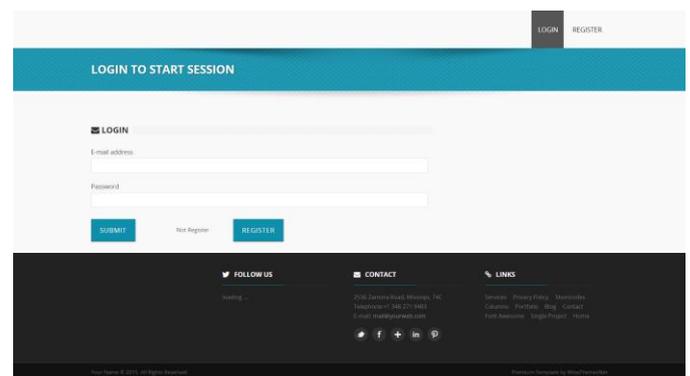


Fig.3 Sample of Project

User

User will first need to sign up on the website and if already signed in then he would need to login every time the user visits the website. The user can use the services of the website and could find information about the desired college. There will be a special feature that user can interact with to get information with the help of an chatbot.

CONCLUSION

Our project was based on simplifying the college searching procedure for students during admission process. Our feature aims are to update website with new feature and also improve the whole experience of searching information and interaction with our chat bot by making it more and more smarter.

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