

Online Admission Management System

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ABSTRACT

The procedure of admission today in India is not as advanced as it should be, in comparison to many developed countries. The traditional ways of providing admissions to the student is incompetent. When the advanced and new colleges of cities are using Internet and automated system, rural area colleges are still suffering with the old and traditional ways of admitting students. This makes the students inclined of getting out of the rural areas, leaving the colleges of their locality. And this increases the gap between the advancement of places and colleges. We aim to automate the entire procedure, starting with including all the required assets and ranking the student's according to the criteria set by the university and colleges. The data would be stored in the data-base for the further use. So this paper reflects an efficient and cost-effective way of dealing with traditional procedures of admitting students into schools and colleges.

KEYWORDS: Web development, HTML, CSS, Java script, online admission

INTRODUCTION

Online admission system is based on the principle of students and college or university staff able to access the portal of college. This starts with providing a unique login ID and password to each student. This can be accessed even from within the organization and outside, with proper connectivity.

The system would be having two accessing mode, namely, administrator mode and user mode. The administrator would look after the student's information (entered by them). So when a particular user will enter into the system, they would be able to see the details of that very student. It's the job of the administrator to admit and monitor this entire process for smooth and efficient functioning.

This online admission system is easy to access, it has a dynamic control panel and it has the facility of payment gateway.

The students apply for the course they wish to apply by filling an online form from the portal. The

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administrator and the college (university) would be able to access this information as well.

Literature Survey:

Only fifty eight percentages of Indian colleges and schools use the automated system for admitting students. And this figure includes the colleges and high-schools of cities and bigger states. The rural areas and the colleges established there still require the students and elders to walk inside the college and complete the admission process manually.

This not only calls for the labour work, which is highly inefficient, it is also expensive for long run. And since the entire process is based on the foundation of papers and manual recording, the risk of misplacing the important document and inefficiency increases.

One needs to run to the college, stand hours in queue and then fill the form, submit the same with the determined fees and get admission. This attracts

manual error and is hard to maintain and operate in short period of time. This makes the entire system very shabby and hectic.

Not only will this teach students the primal basics of internet and its usage but it will also ready our youth and elders for the digital India and digital globe we are planning.

Disadvantages of present (traditional) process:

- Requires manual labour
- Hard to maintain
- Costly for long run
- Hectic and hard to organize
- Hard to track the details since everything is based on papers

Software Configuration:

- Html:- It is the standard language used for designing a document to be displayed in a web browser.
- Css:- Is a language for describing the presentation of Web pages, including colours, layout and fonts thus making our web pages presentable to the users.

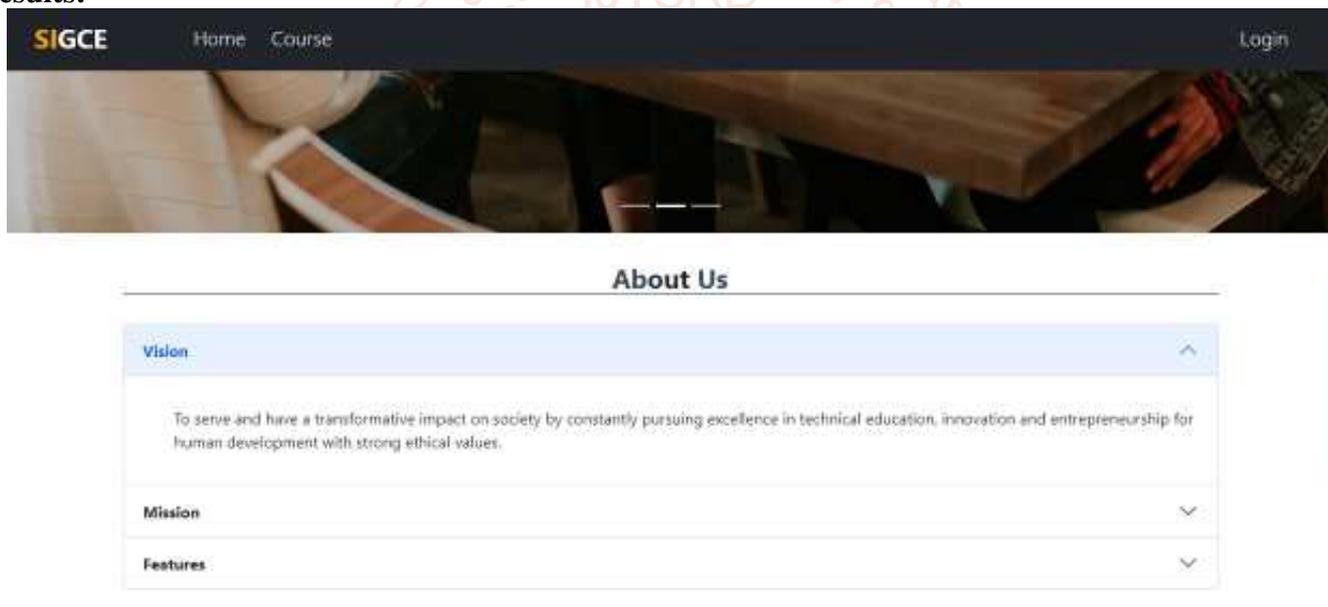
- Javascript:-Is a programming language that conforms to the ECMA Script specifications.
- ASP .NET MVC:- ASP.NET MVC is a web application framework developed by Microsoft that implements the model–view–controller (MVC) pattern. It is no longer in active development. It is open-source software, apart from the ASP.NET Web Forms component, which is proprietary.

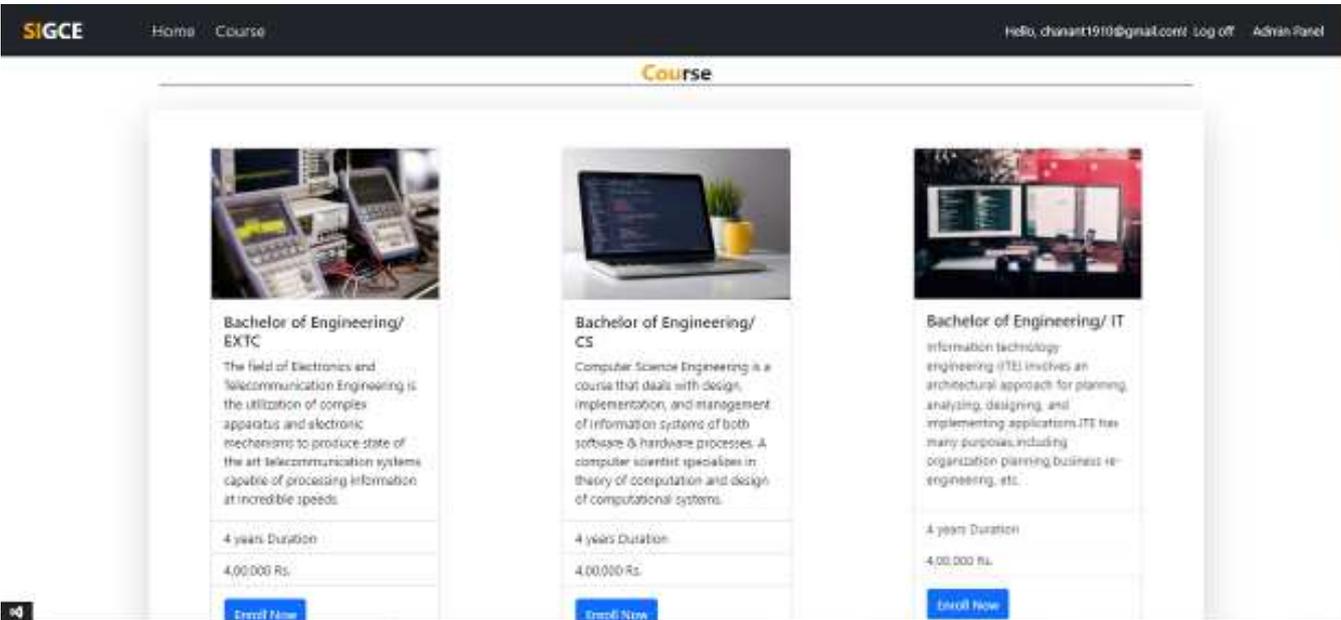
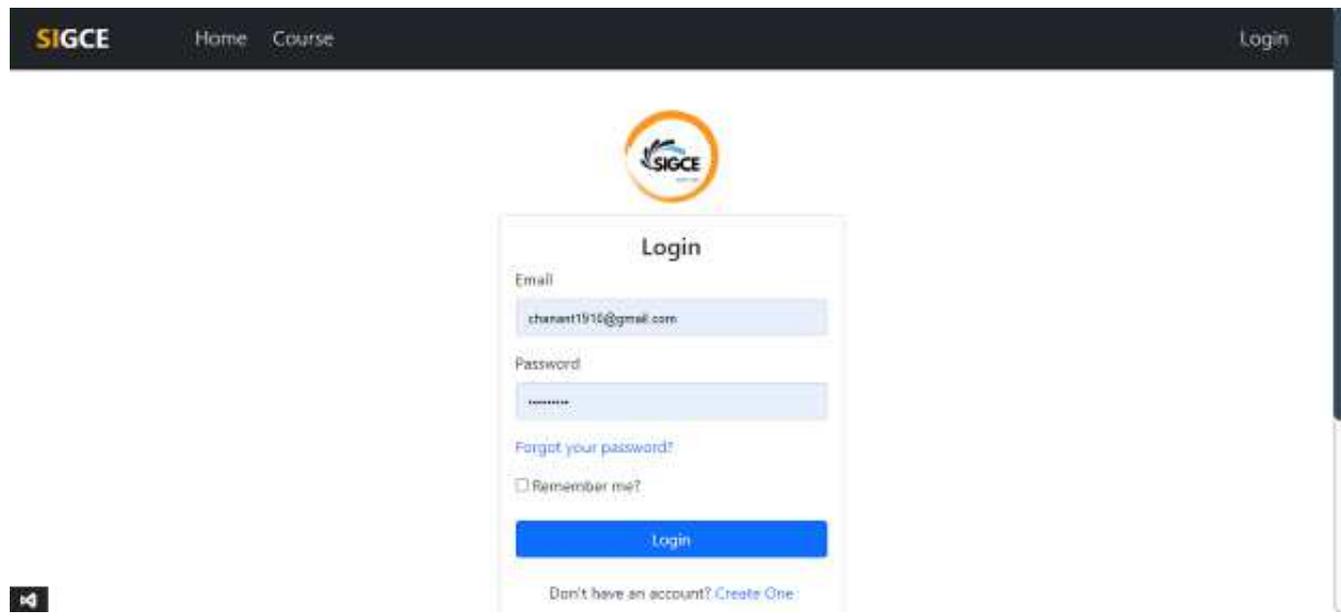
Operating System: Windows.

Algorithm used:

1. Creating a landing page for our website i.e. home using Html/Css/Bootstrap.
2. After that we have created a course page using Html/Css/Js.
3. After done with all frontend part we have started working backend part using asp .net MVC
4. After that we have successfully created an admin panel where the admin can check and modify data of the website.

Results:





Hello, Welcome To SIGCE Admin Panel!

The database management system will allow the database administrator(s) to modify and maintain the database contents, structure, user profiles and security controls from an Admin Panel.

To See More Information Go below Link

[All Students](#) [All Enrollments](#) [All Course](#)

[Back to User Panel](#)

Advantages:

- Several branches or departments can be monitored together
- Cost efficient
- Reduced labour work
- Less time consuming
- Easier to access, track and organize the data

- A step to bridge the gap between rural and urban education system
- A step towards modernizing the education system not only across India but the globe.

Application:

- Helping the high-school and colleges with maintaining and tracking the details of their students and staff
- Can be used to make every small detail of the particular institute available on their respective portal
- Easier way of paying fees without the hassle of arranging cash
- Students and staff can have access to the materials online, without the trouble of searching them as they would have everything aligned in one place.

Future Scope:

Currently with the payment gateway, we could add many things further. *Having an online library, where students can have access to pdf's of any book they would like to have access of.* And one can put request for the same.

We have an aim of spreading this technology in every part of India and world, making the task of admission easier and a less stressing. The future scope lies in accessing anything and everything on the power of one touch.

We aim for a smart and digitized India.

Conclusion:

Hence, we have designed a website that can run and make the admission process easier and a lot more effective and less time consuming. The hassle of standing in queue, submitting documents online and booking the seat for the candidate would be erased

completely. We have automated the entire process by adding all the necessary information and storing them into the database for future use. *This way the data of the student would be saved for a long period of time.* And the data can be kept safe even during the natural calamities.

The most important aspects of any project, *security* is taken care of. For securities, we have used Form-based authentication to provide an input from where users can enter their unique username and password, accompanying logic in the application needed to validate the credentials.

MVC is now providing infrastructural support for Forms Authentication.

Form authentication makes it easier to customize the entire page, starting from the signing in to the very bits of it. It relies on cookies in ASP.NET, by default.

Once the user is signed in to an application, the runtime can issue a cookie on the browser.

And as requests will be sent to the page, browser will send cookies to that very user, and once the ASP.NET sees the cookies, it will recognize the authentication and signing in won't be required again.

Bibliography:

- [1] [An integrated approach to software Engineering, Narosa Publisher, Third edition by PankajJalote]
- [2] [The Bootstrap Manual <https://getbootstrap.com/docs/5.0/getting-started/download/>]
- [3] [The html, Css And Javascript Manual <https://www.w3schools.com/>]