

# **Project Report**

on

**OF COLLEGE / UNIVERSITY WEBSITE**

**BACHELOR OF INFORMATION TECHNOLOGY**

Branch IT

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Batch: 2022-26

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**CHANDIGARH ENGINEERING COLLEGE - LANDRAN**

**Mohali, Punjab - 140307**

## **ACKNOWLEDGEMENT**

It is great happiness and privilege for me to represent this Project Report. I have completed the development of **College Website** as project under the supervision of **Ms. Ravdeep Kaur** .

I would like to express my gratitude towards all those people who help in various ways, helped me in successful completion of my project.

I'd like to be thankful to my colleagues and team members for their valuable support and corporation during my project.

## **TABLE OF CONTENTS**

<b><u>Sr. No</u></b>	<b><u>Title</u></b>	<b><u>Page no.</u></b>
1	Introduction to the Project	5
1.1	Introduction	5
1.1.1	Key Features	5
1.1.2	Key Activities	5
1.2	Objective of various site available in a college website	6
1.2.1	Home page	6
1.2.2	Links and Wepages	7
2	Languages used in a Project	8
2.1	HTML	8
2.2	CSS	9 and 10
3	Software Requirements	11
4	Hardware Requirements	12
4.1	Functional Requirements	12
4.2	Non-Functional Requirements	12
5	Software Used	13
5.1	Visual Studio Code	13
5.1.1	Introduction	13

Chandigarh Engineering College CGC-Landran  
**PROJECT REPORT**

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5.1.2	Features of Vs Code	13
5.1.3	History of Vs code	14
<b><u>Sr. No</u></b>	<b><u>Title</u></b>	<b><u>Page No.</u></b>
6	Problem and Solution Domain	15
6.1	Problem Domain	15
6.2	Solution Domain	16
7	System Design	17
8	Diagram	18 and 19
9	Screenshots of Project	20 to 27
10	Conclusion	28
11	References	29

<u>Sr. No</u>	<u>Title</u>	<u>Page No.</u>
1.	Software Requirement Specification	<u>10</u>
2.	Hardware Requirement Specification	<u>11</u>

**List Of Tables**

## **1. Introduction to the Project**

### **1.1 Introduction :**

We are going to make the college's related website which will provide all information regarding our colleges. Now it is of vital thing in present scenario of any college where student can get all information before taking admission. This site provides the all information like student can easily get all information regarding their syllabus, especially for the training and placement since it is difficult to get the students informed during the campus so all the students can easily get information. There is also facility for the faculty members, they can easily give all the answer of student's question and can give their solution of problem.

#### **1.1.1 Key Features :**

In this website we include so many features like :

- Menu
- Home
- Course
- Blog
- Content
- Visit us to know more

where you can simply get the information about introduction, contacts, and user can ask any question related to college, student login , training and placement regarding options are also available. Student can get about information about college and they can plan for news and events of college. Student can download scheme and syllabus of their related branch. In front page you can see important notices. And in this website also helps for staff login. Here, student can also get all the information regarding college campus, hostels, library etc.



#### **1.1.2 Key Activities :**

- College website manage the Registration details online for Students.
- It also shows map details of College.

- Shows the information and description of the College, Classes, Hostel, Campus, etc.
- Manage the information of Students.
- It tracks all the information of Students Registration, Contact Details etc.
- This website also shows placements companies and popularity of college

## **1.2 Objective of various site available in a College Website :**

### **1.2.1 HOME Page :**

The home page of a website is the first page that a user perceives upon entering the website url at the browser address area. The entire website depends on how the home page is designed which forms the platform for viewing other web forms. In short, a home page forms the abstract of the entire website.

At Home page this site can provide important information about College like courses, placements, campus rankings, global collaborations, campus tour, campus facilities, etc.

Also in this site provides student contact button and also there is hyperlink . When you click hyperlink you can get information about contact, blog, courses and visit us to know more.

### **1.2.2 LINKS AND WEBPAGES :**

Through the home page a number of other web pages can be linked. Each link gives an elaborated detail about itself with adequate lists and photos.

- **CONTACT PAGE :**

At Contact page this site can provide contact information about college like Map, Address of College, Phone no. of College, Email Id of College and also there is contact form available for direct message to college.

- **COURSE PAGE :**

At Course page this site can provide information about courses available in a college like CSE, Hotel Management, Btech ECE, etc and

also there is Student Registration Form is available for students registration in a college.

- **BLOG PAGE AND ABOUT PAGE :**

At this sites there is information about college placements, college rankings, students views about college, etc.

This site displays the photos of College campus.

This site provides previous placements related information and for upcoming placements.



**Hyperlink two Html Page**



## **2. Languages used in a Project**

I used following technologies for College / University Website :

<b>HTML</b>	Hyper Text Markup Language
<b>CSS</b>	Cascading Style Sheets

### **2.1 HTML :**

HTML (HyperText Markup Language) is the most basic building block of the Web. It defines the meaning and structure of web content. Other technologies besides HTML are generally used to describe a web page's appearance and presentation ([CSS](#)) or functionality/behavior ([JavaScript](#)).

"Hypertext" refers to links that connect web pages to one another, either within a single website or between websites. Links are a fundamental aspect of the Web. By uploading content to the Internet and linking it to pages created by other people, you become an active participant in the World Wide Web.

HTML uses "markup" to annotate text, images, and other content for display in a Web browser. HTML markup includes special "elements" such as [<head>](#), [<title>](#), [<body>](#), [<header>](#), [<footer>](#), [<article>](#), [<section>](#), [<p>](#), [<div>](#), [<span>](#), [<img>](#), [<aside>](#), [<audio>](#), [<canvas>](#), [<datalist>](#), [<details>](#), [<embed>](#), [<nav>](#), [<search>](#), [<output>](#), [<progress>](#), [<video>](#), [<ul>](#), [<ol>](#), [<li>](#) and many others.



HTML (HyperText Markup Language) is the code that is used to structure a web page and its content. For example, content could be structured within a set of paragraphs, a list of bulleted points, or using images and data tables. As the title suggests, this article will give you a basic understanding of HTML and its functions.

## 2.2 CSS :

CSS stands for Cascading Style Sheets. It is a style sheet language which is used to describe the look and formatting of a document written in markup language. It provides an additional feature to HTML. It is generally used with HTML to change the style of web pages and user interfaces. It can also be used with any kind of XML documents including plain XML, SVG and XUL.

CSS is used along with HTML and JavaScript in most websites to create user interfaces for web applications and user interfaces for many mobile applications.



Basically the purpose of the website is to provide appropriate information and latest updates regarding the events and academic programs in College. Website contains web pages that are easy to navigate and at the same time provides sufficient depth and information. The website will be authenticated and provides a safe environment .

The purpose of the website is to provide a high school teen friendly set of web pages that are easy to navigate and at the same time provides sufficient depth and information about college.

Two potential groups of viewers exist :

1. Students (not a part of the college) interested in seeking more in-depth information about a college.
2. Students that are in that college but are seeking for some information.

The website will be authenticated and the site provides a safe environment for online users. It may fall short of certain requirements and may require some additional functionality if it is to be used for General Audience.

**Cascading Style Sheets (CSS)** is a [stylesheet](#) language used to describe the presentation of a document written in [HTML](#) or [XML](#) (including XML dialects such as [SVG](#), [MathML](#) or [XHTML](#)). CSS describes how elements should be rendered on screen, on paper, in speech, or on other media.

### **3. Software Requirements**

#### **Facilities required for proposed work :**

Operating System	Windows 8,9,10,11
Compiler	MinGw
Front End	Visual Studio Code
System Ram	8.00GB and above

Table 1 : Software Requirement Specification

## **4.Hardware requirements**

Input Device	Basic Keyboard and Touch Pad
Output Device	Standard Color Pc
Processor	Intel 13 5 <sup>th</sup> gen and above processor

Table 2 : Hardware Requirement Specification

### **4.1 Functional Requirements:**

- The system provides all the information about the college in detail .
- The system gives in detail description of our college infrastructure .
- All the information about the faculty and labs are provided in department wise .
- All the necessary information is rendered with proper images and flash slides for better navigation.
- Proper information regarding the mode of transport and available means is also included.

### **4.2 Non-Functional Requirements:**

- Runs on low performance systems and on any environment.
- Cost effective deployment (When buying out storage space).
- All the languages used to develop the system are Client-side scripting languages which provide dynamic system.

## **5. Software Used**

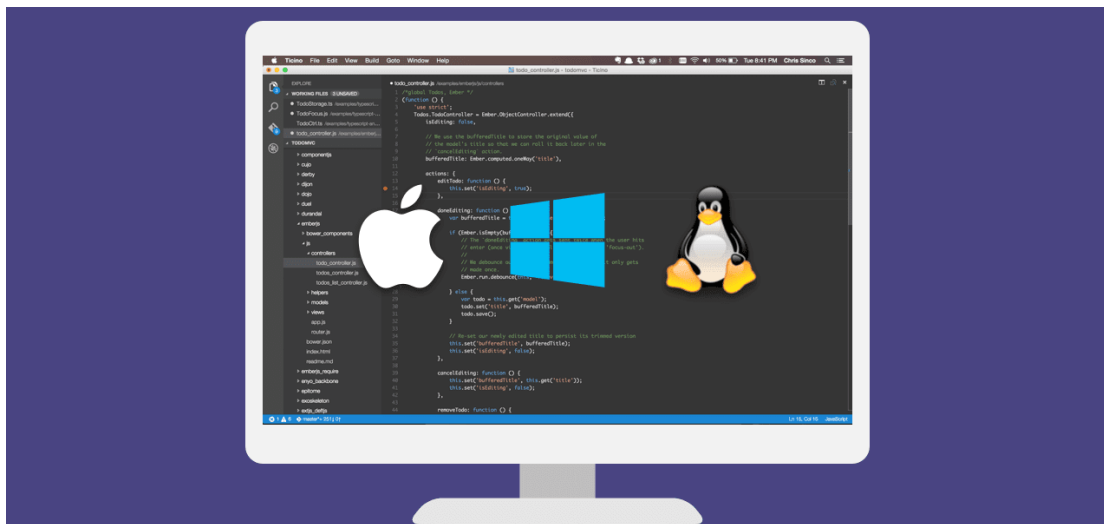
### **5.1 Visual Studio Code**

#### **5.1.1 Introduction**

Visual Studio Code combines the simplicity of a source code editor with powerful developer tooling, like IntelliSense code completion and debugging.

First and foremost, it is an editor that gets out of your way. The delightfully frictionless edit-build-debug cycle means less time fiddling with your environment, and more time executing on your ideas.

**Visual Studio Code supports macOS, Linux, and Windows - so you can hit the ground running, no matter the platform.**



#### **5.1.2 Features of Vs Code**

- Command Line
- Command Palette
- Git Integration
- Change language mode
- Customization
- Zen Mode
- Split view
- Status Bar
- Debugging
- Default Keyboard shortcuts

### 5.1.3 History of Vs Code

Visual Studio Code was first announced on April 29, 2015, by Microsoft at the 2015 Build conference. A preview build was released shortly thereafter. On November 18, 2015, the source of Visual Studio Code was released under the MIT License and made available on GitHub. Extension support was also announced.



On April 14, 2016, Visual Studio Code graduated from the [public preview](#) stage and was [released to the Web](#). Microsoft has released most of Visual Studio Code's [source code](#) on [GitHub](#) under the permissive [MIT License](#), while the binary releases by Microsoft are [freeware](#), and include [proprietary](#) code. A community distribution, called VSCodium, is maintained, which provides MIT licensed binaries.

## **6.Problem and Solution Domain**

### **6.1 Problem Domain:**

The basic problem faced by students is inconvenience of visiting school for each and every requirement viz. fee structure, registration, announcements, bus route. For such details a student is required to visit school in their vacations which is really time consuming and hectic for students living out of station as they have to travel so long for general formalities.

When school passes an urgent notice it is necessary for each student to go through it, in such cases it is difficult for school to ensure that every student got the notice as students not present in school can miss it. All the notices and announcements provided by school should reach each and every student. So the school website gives flexibility to students so that they can obtain the respective information right from their desk.

### **6.2 Solution Domain:**

The website is user friendly and it doesn't requires any training or extra effort to understand it properly. It provides a number of facilities on a single click of mouse. This system is aimed at the smooth functioning of the school management procedure. In order to achieve this website contains following features:

- **Downloads:**

- Syllabus of each semester for students of the school
- Time Table of all departments and there classes for students
- Time Table of all exams conducted by school, including the Time Table of final exam as declared by PTU
- Bus route for students to make them sure which bus will come to their respective stop, similarly this will help students to choose correct bus to reach their destination
- Assignments and notes provided by school faculties

- **Fee structure of each year**

- **News and events:**

- Any notice that is to be displayed by school
- Announcement or information school want to provide



- **About Us Mission:**

- It specifies the aim of school

- **About Us Our Uniqueness:**

- It specifies the qualities and uniqueness of school, including the details and pros that why one should opt this school and not any other.

## **7.System Design**

System design is the solution to the creation of a new system. This phase is composed of several systems. This phase focuses on the detailed implementation of the feasible system.

It emphasis on translating design specifications to performance specification.

System design has two phases of development logical and physical design.

During logical design phase the analyst describes inputs (sources), out puts (destinations), databases (data sores) and procedures (data flows) all in a format that meats the uses requirements. The analyst also specifies the user needs and at a level that virtually determines the information flow into and out of the system and the data resources. Here the logical design is done through data flow diagrams and database design.

The physical design is followed by physical design or coding. Physical design produces the working system by defining the design specifications, which tell the programmers exactly what the candidate system must do.

The programmers write the necessary programs that accept input from the user, perform necessary processing on accepted data through call and produce the required report on a hard copy or display it on the screen.

## **8. Diagram**

### **Online registration system Diagram :**

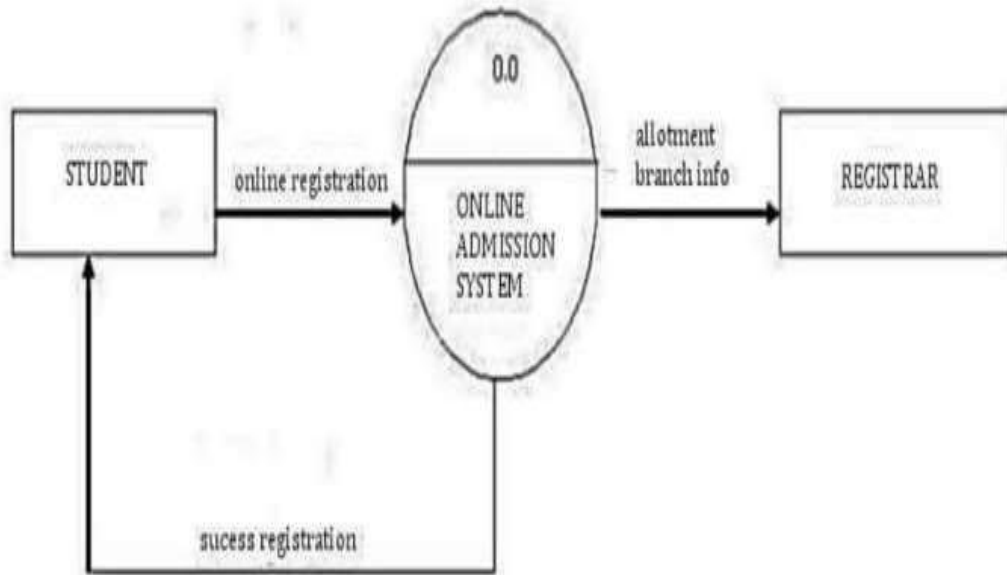


Diagram 1

### **Data Flow Diagram :**

A data flow diagram (DFD) maps out the flow of information for any process or system. It uses defined symbols like rectangles, circles and arrows, plus short text labels, to show data inputs, outputs, storage points and the routes between each destination. Data flowcharts can range from simple, even hand-drawn process overviews, to in-depth, multi-level DFDS that dig progressively deeper into how the data is handled. They can be used to analyze an existing system or model a new one. Like all the best diagrams and charts, a DFD can often visually "say" things that would be hard to explain in words, and they work for both technical and nontechnical audiences, from developer to CEO. That's why DFDS remain so popular after all these years. While they work well for data flow software and systems, they are less applicable nowadays to visualizing interactive, real-time or database-oriented software or systems.

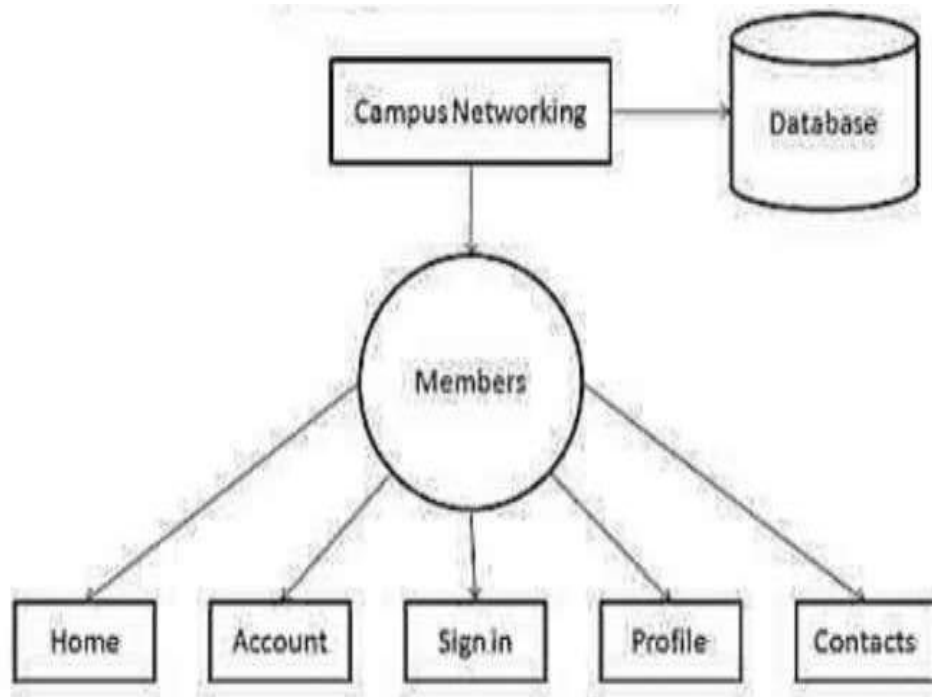


Diagram 2

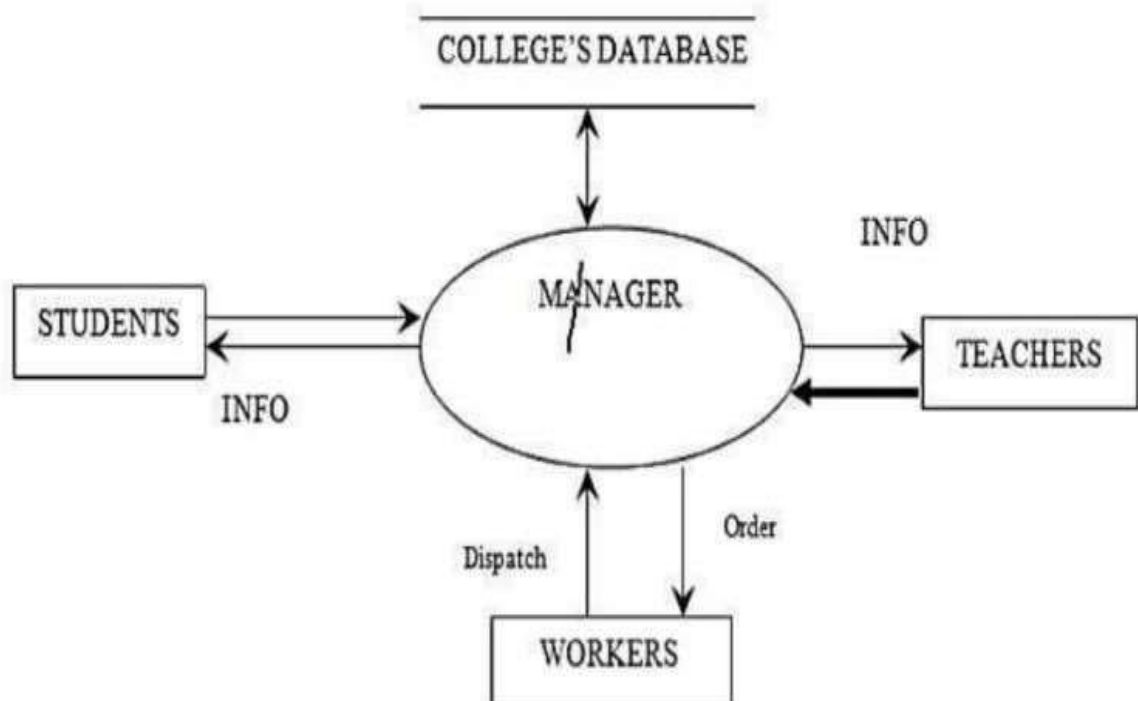
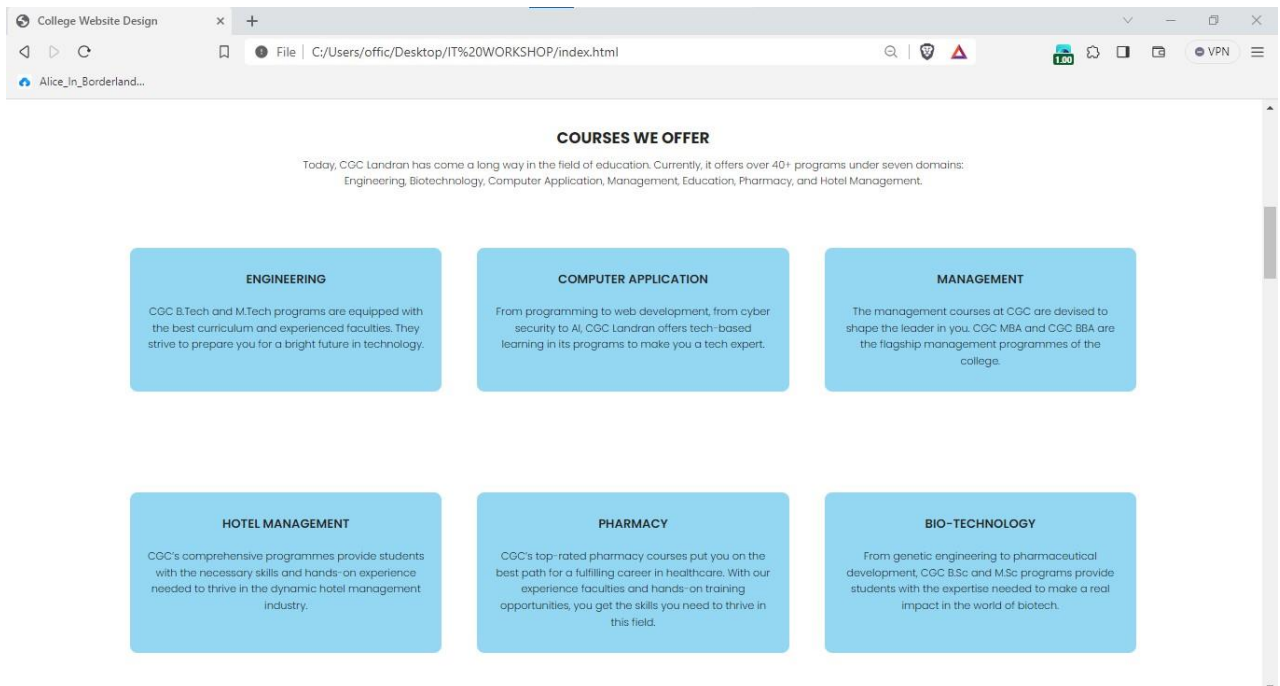
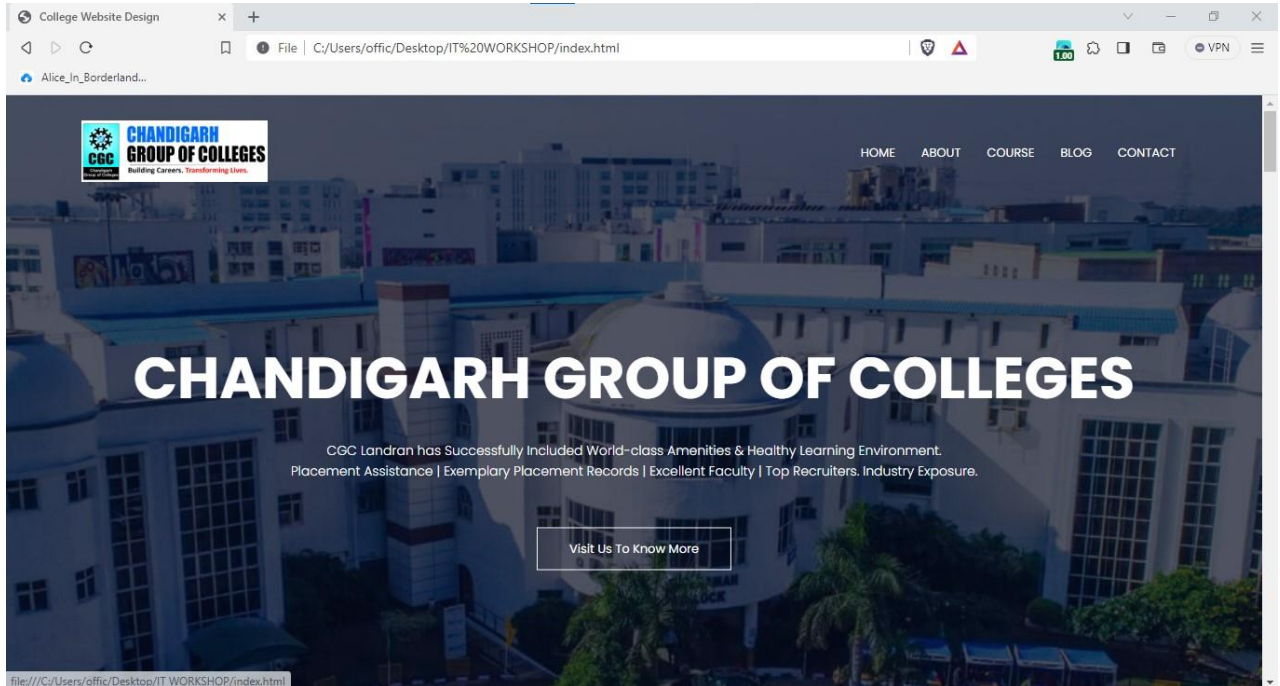


Diagram 3

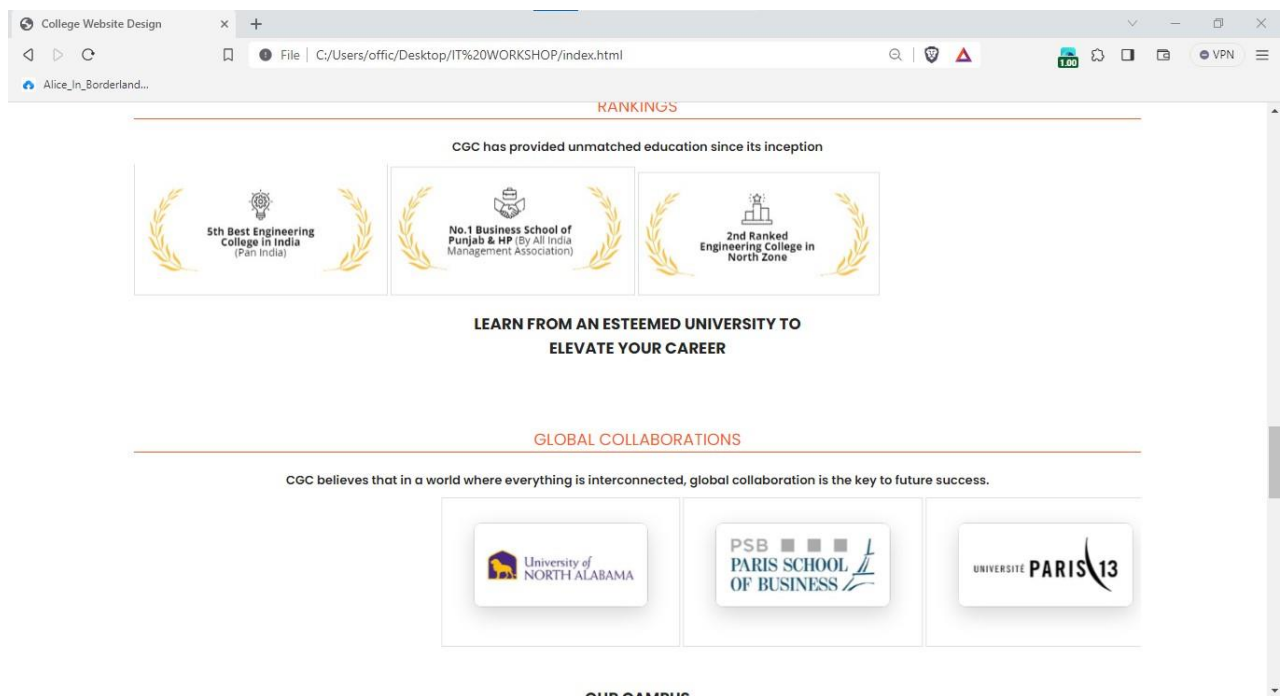
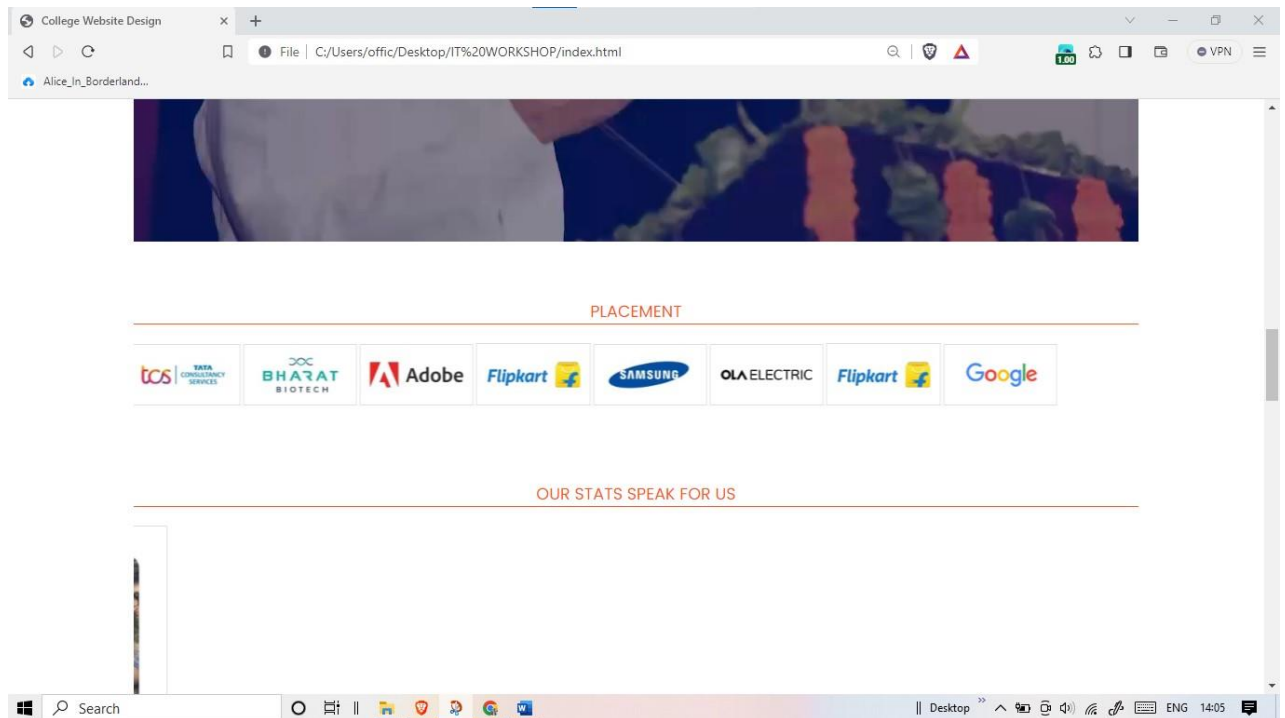
## 9. Screenshots of Project

### Home page :



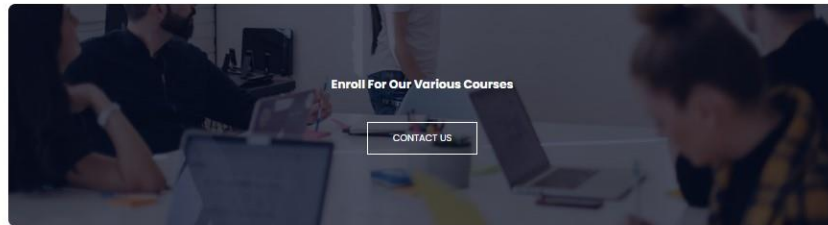
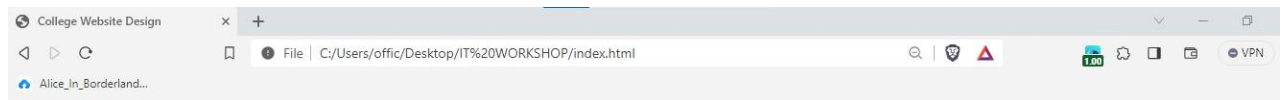
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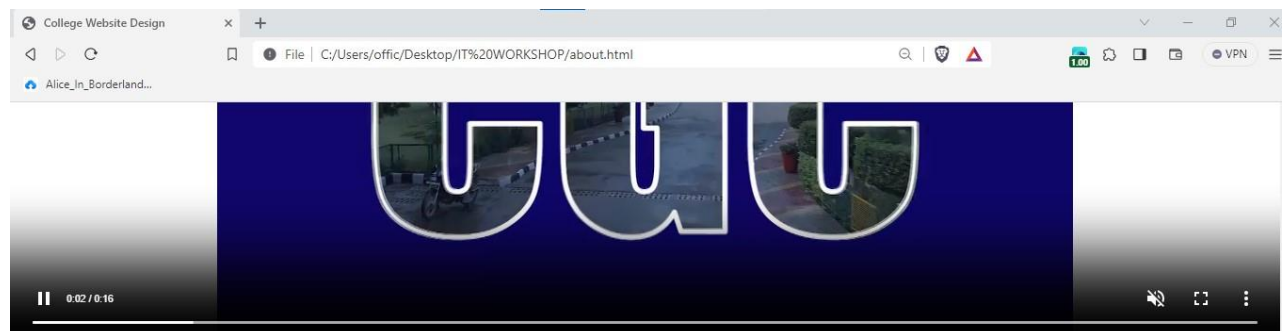


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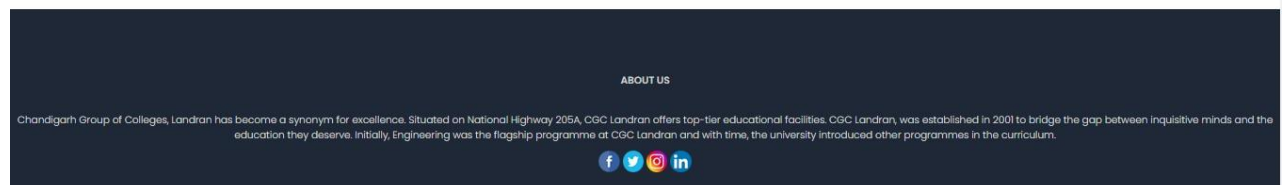
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### About page :

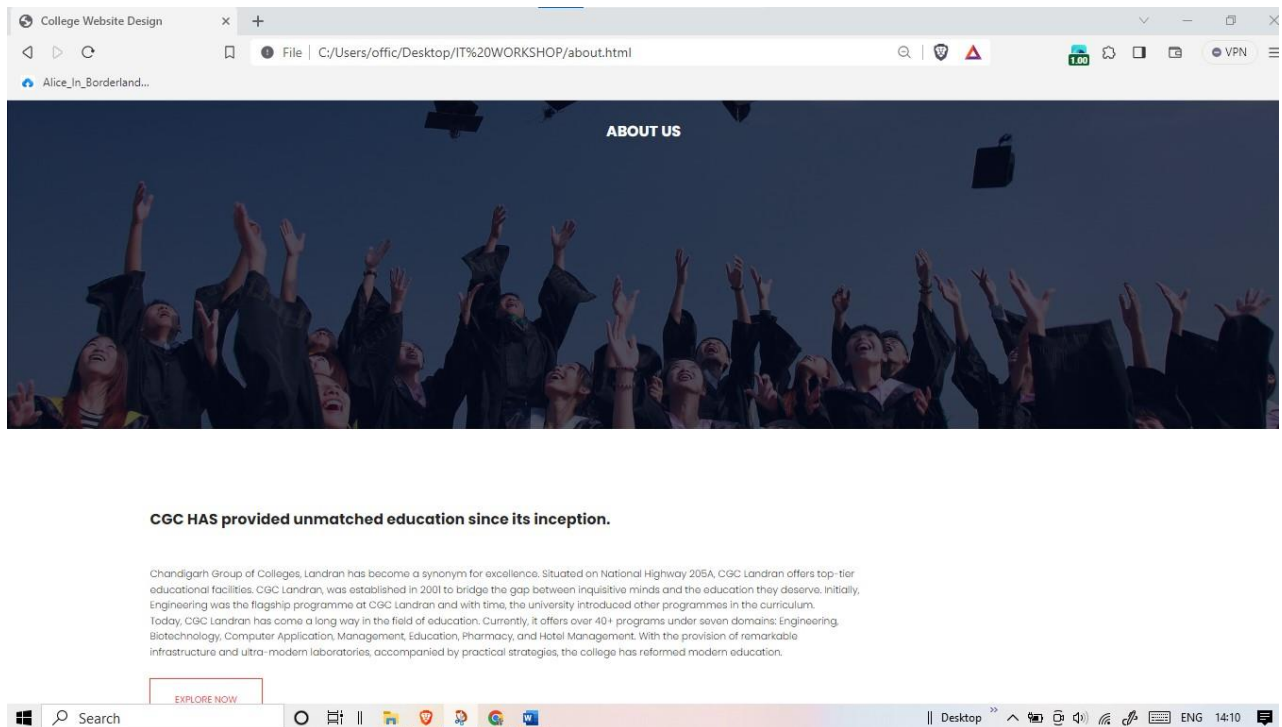


#### Placement companies

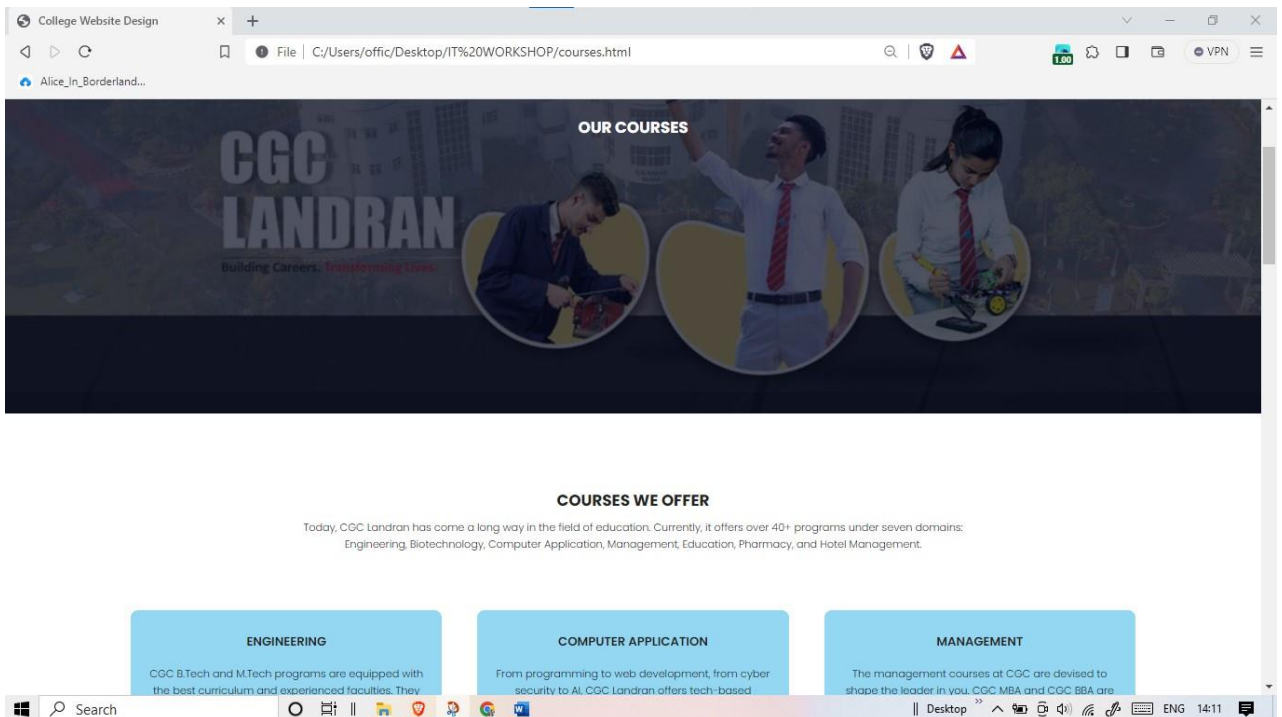


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## Course page :







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College Website Design


File | C:/Users/office/Desktop/IT%20WORKSHOP/courses.html

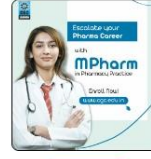
Alice\_In\_Borderland...

**Computer Science**  
  
[Apply Here](#)

**Business Studies**  
  
[Apply Here](#)

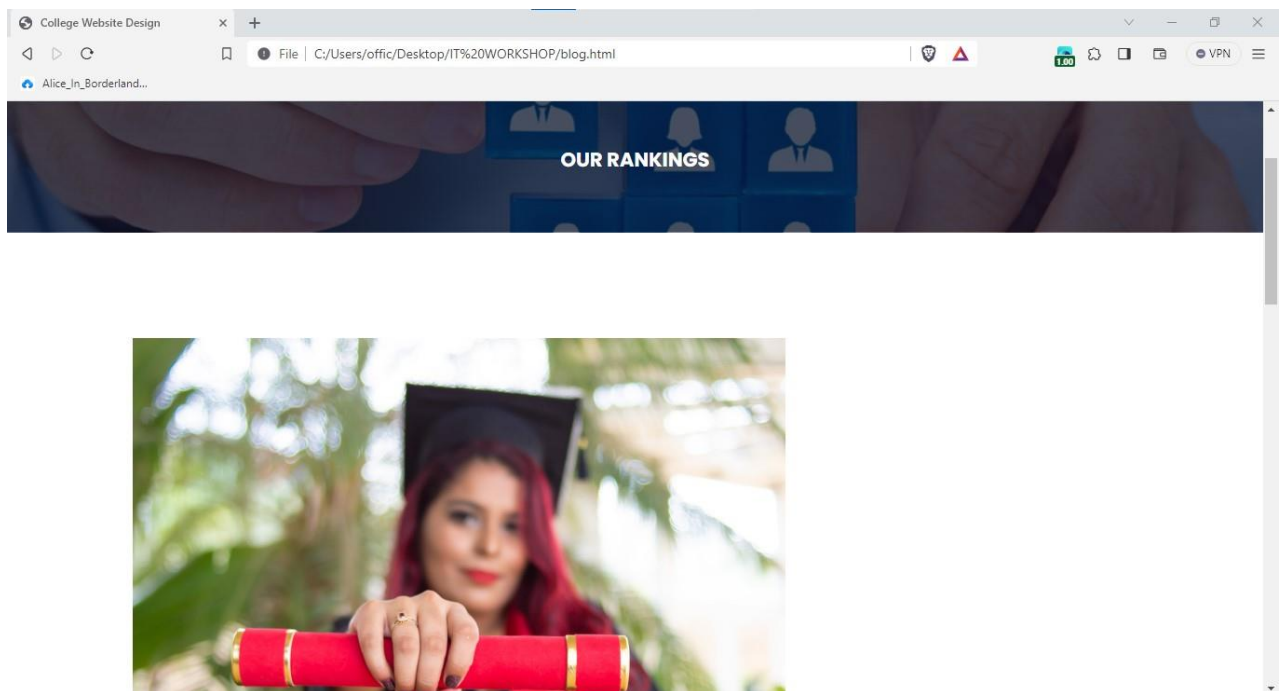
**Electrical Engineering**  
  
[Apply Here](#)

**Hotel Management**  
  
[Apply Here](#)

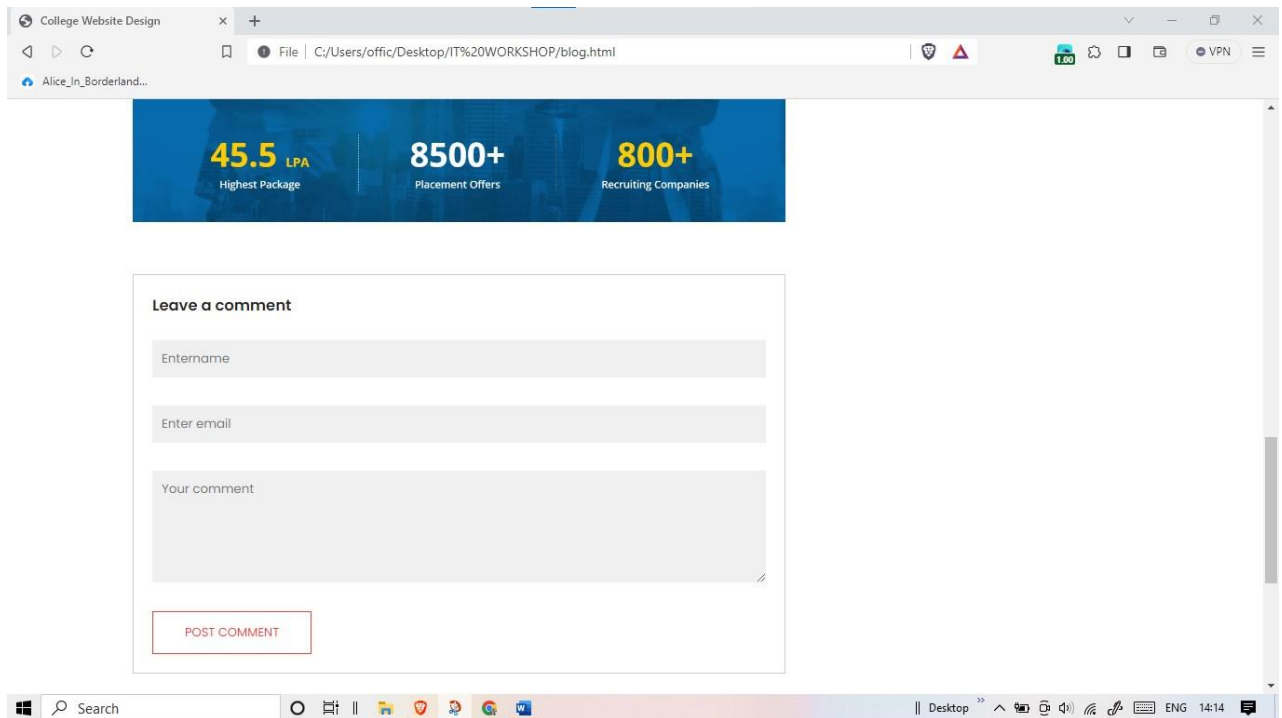
**Medical Science**  
  
[Apply Here](#)

**Student Registration Form**  
First Name:  
  
Last Name:  
  
Date of Birth:  
  
Email Address:  
  
Mobile:

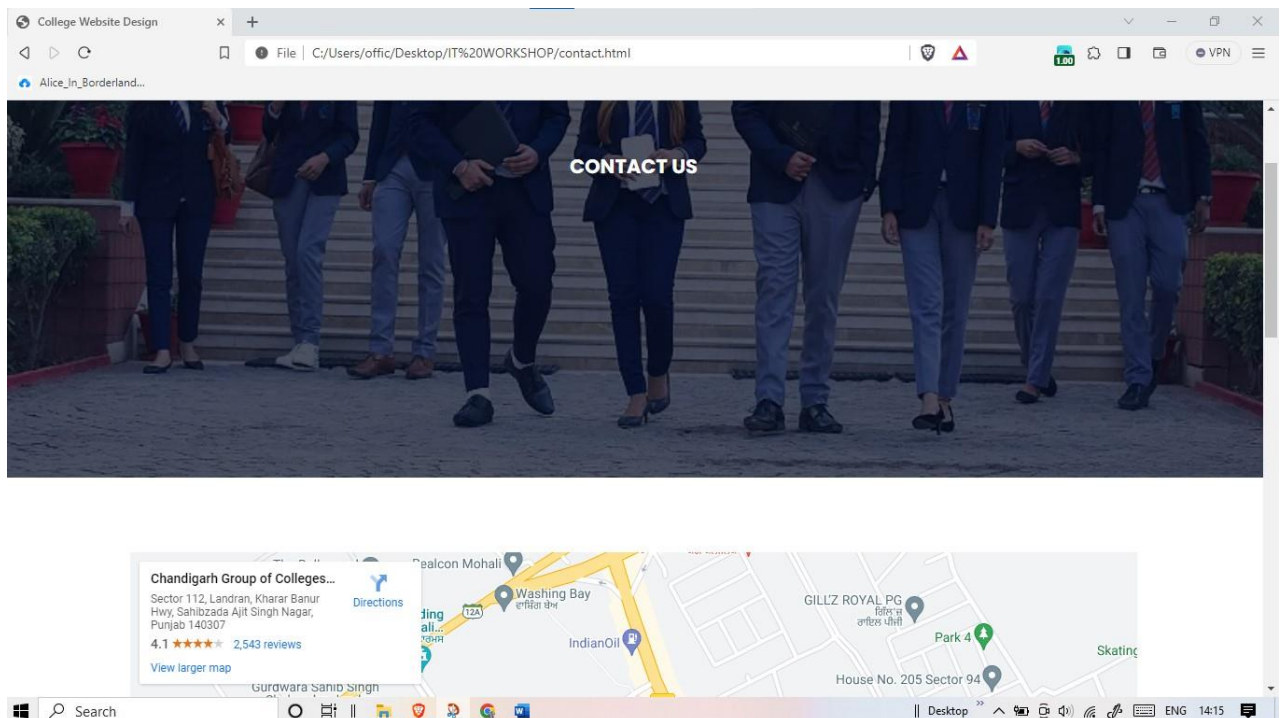
## Blog Page :



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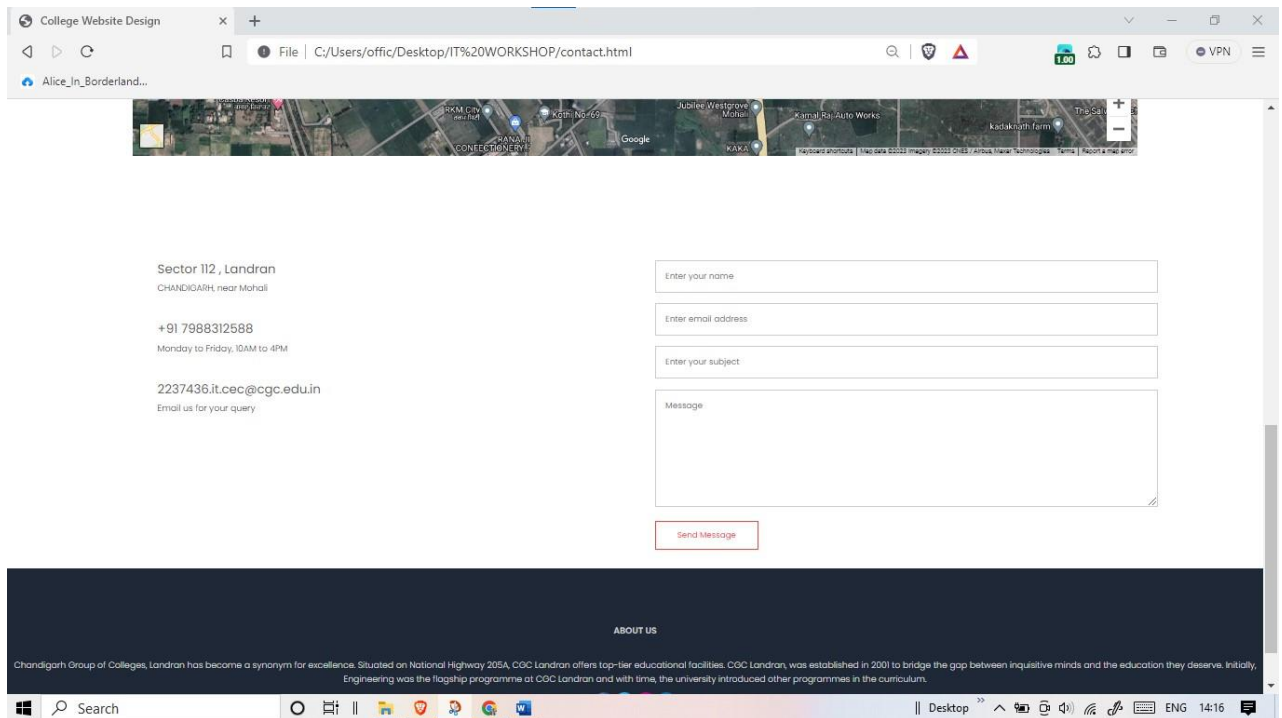


### Contact Page :

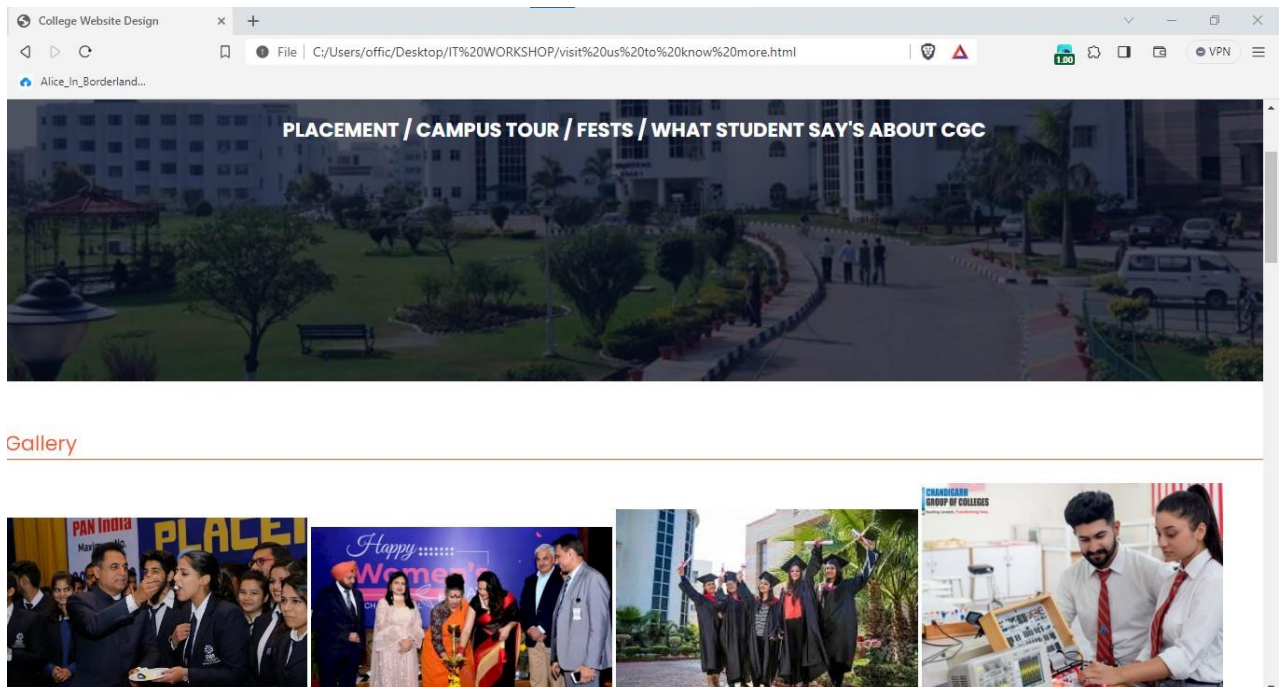


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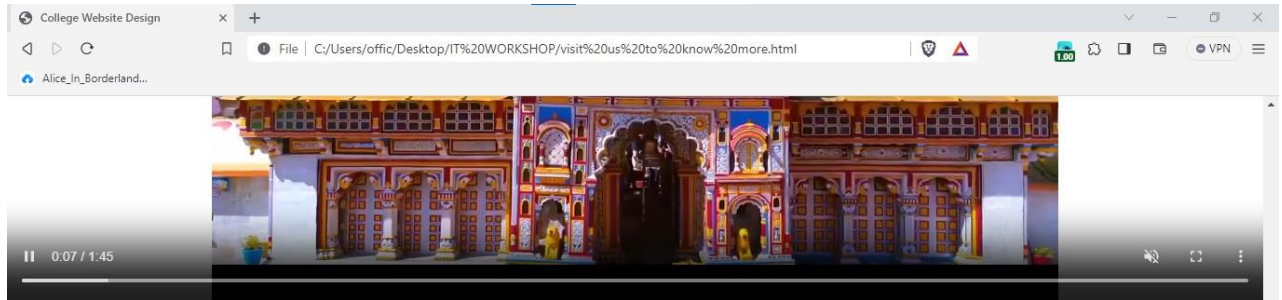


**Visit us to know more :**



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Our students are shining like a star in the sky, see them from anywhere they will twinkle Everytime and Everywhere!!

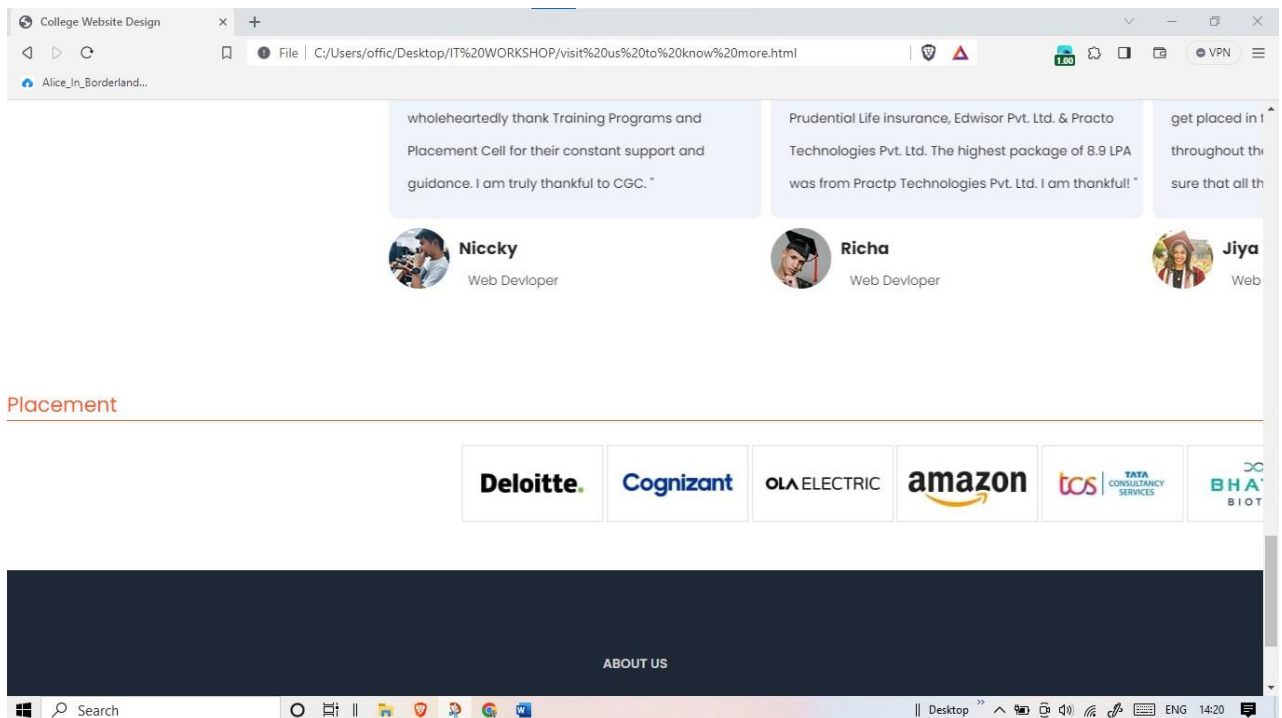
Siya- A student from B.com Honors got placed with well-known brand "The institute of Professional Banking", Hear her out!



### About Our President

#### RASHPAL SINGH DHALIWAL

Realizing the reality of the professional world, CGC Landran follows a problem-solving approach as an educational institute. Our sole aim is to offer a rich learning experience to the students to enhance their passion for innovation and come out of their cocoon. Apart from this, we assure that the students are looked after with utmost care and it is our sole responsibility to re-affirm they live and fulfill the aspirations and dreams they have come with to this institute. We take it as a challenge to get rid of inherent constraints in getting employed and ensure that each student passes with flying colors from Chandigarh Group of Colleges and lands in a job with the best of companies. "I welcome you to CGC family and wish you a remarkable future"



## **10.Conclusion**

A College Website is a website where information is gathered from different links. This is easy to access and sufficient for user to maintain their time management.

## **11. References**

- w3schools ( <https://www.w3schools.com> )
- SlideShare ( <https://www.slideshare.net> )
- FreeProjectz ( <https://www.freeprojectz.com> )
- YouTube Channel ( GreatStack )