

# COLLEGESURFER

## T. E. Information Technology

By

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## INDEX

<b>Sr. No.</b>	<b>Content</b>	<b>Page No.</b>
1.	Work Done	3
2.	Website proposal	6
3.	Requirement Analysis	8
4.	Design	13
5.	Output (Screenshot and Description)	21
6.	Conclusion	32
7.	Work Distribution	35
8.	References	36

**Signature:**

**Ms. Purnima Kubde**  
**(Internal Guide)**

**Activity Completed**

### Weekly Activity (Semester Mid)

Sr. No.	Activity	Status	Remarks
1	Formulate a web design proposal containing requirement analysis	Done	
2	Create a webpage using HTML and different types of CSS	Done	
3	Perform form validation using JavaScript and design a skeleton for website	Done	
4	Design a Web Layout Using RWD Framework demonstrating HTML5 features like embedding audio, video, geolocation and accessibility	Done	
5	Demonstrate CSS3 transition , transformation, animation, aesthetics and responsive form in your website.	Done	
6	Mid Term Project Evaluation	Done	

### Weekly Activity (Semester End)

Sr. No.	Activity	Status	Remarks
7	Create and connect database with mini project by using PHP and MySQL.	DONE	
8	<b>XML -</b> a) Use XSLT elements b) Create XML Schema	DONE	
9	<b>AJAX &amp; JSON -</b> a) Develop and design RIA using AJAX b) Access a JSON file	DONE	
10	Host website using any free web domain.	DONE	
11	Final Project Evaluation	DONE	

**Subject Incharge**  
**(Ms. Purnima Kubde)**

**Internal Examiner**  
**( )**

# **Project Report**

## **Section 1 - Web Design**

### **Proposal**

<b>PROJECT REPORT</b>		
<b>Section 1 -</b>		<b>Web design proposal</b>
<b>1.</b>	<b>Website Title -</b>	<b>COLLEGESURFER</b>
<b>2.</b>	<b>Overview -</b>	This is a website which searches out the College as per required to the user. Relatively inexpensive method of data collection and an unobtrusive source of background information. Provides information that may not be directly observable or expose issues not noted by other means.
<b>3.</b>	<b>Need of the Project-</b>	In today's times finding a suitable college is rather difficult given the number of colleges available. Different colleges provide a number of courses which can be overwhelming for a student at the first glance
<b>4.</b>	<b>Objective -</b>	<ul style="list-style-type: none"> <li>● To discover the structure inside unstructured data, discovering patterns in apparently random data, and use all this information to ease students' task of surfing various colleges in less time.</li> <li>● To help students find the appropriate college based on their search (Website which connects students and college).</li> <li>● Essentially the attempt is to use all the data a college directly or indirectly has , as part of a scientific approach.</li> <li>● To understand college context and conditions, as well as to create a feedback loop in which a college can make incremental adjustments.</li> <li>● To be Based on not only on management experience,not only from data warehouse reports ,but based on much bigger but more vague information footprint which is somewhat capturing the reality of college interactions with students , recruiters and it's own employees</li> </ul>
<b>5.</b>	<b>Problem statement-</b>	In today's reality, as both students and parents carry a limited awareness of the new educational opportunities available, a majority of students tend to limit their options and end up focussing on only certain courses or branches. Thus due to this lack of vital information, many deserving students often end up making the wrong choices at this crucial educational juncture, and end up in compatible institutions.Hence create a single portal where one can surf around different colleges all over India .

6.	<b>Problem Solution</b>	We have addressed these issues using our website which helps in filtering out the colleges based on the search criterias given by the user. Thus providing the user with the appropriate information helping them in selecting their college.
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# **Project Report**

## **Section 2 - Requirement Analysis**



Section 2 -		Requirement Analysis																								
1.	Target Audience -	Students form different grades. Eg: Students approaching for admissions in junior college, ug, pg.																								
2.	Features Required -	1.To Find the Best college in Nearby location 2.To Find the college details. 3.To Find the faculty details of any college 4.To Discuss about College forum.																								
3.	Software and Hardware requirements -	<p><b>1. Software requirements –</b></p> <table border="1"> <tr> <td>1.</td><td>Name</td><td>Version</td></tr> <tr> <td>2.</td><td>Operating System</td><td>Windows, Linux</td></tr> <tr> <td>3.</td><td>Editor</td><td>Sublime text 3, Notepad++</td></tr> <tr> <td>4.</td><td>Web Browser</td><td>Google Chrome, Opera Mini</td></tr> </table> <p><b>2. Hardware requirements –</b></p> <table border="1"> <tr> <td>1.</td><td>RAM</td><td>2GB or more</td></tr> <tr> <td>2.</td><td>Intel processor</td><td>Intel core i3</td></tr> <tr> <td>3.</td><td>CPU</td><td>Intel SL7PR or later</td></tr> <tr> <td>4.</td><td>Internet connection</td><td>Should be available</td></tr> </table>	1.	Name	Version	2.	Operating System	Windows, Linux	3.	Editor	Sublime text 3, Notepad++	4.	Web Browser	Google Chrome, Opera Mini	1.	RAM	2GB or more	2.	Intel processor	Intel core i3	3.	CPU	Intel SL7PR or later	4.	Internet connection	Should be available
1.	Name	Version																								
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3.	CPU	Intel SL7PR or later																								
4.	Internet connection	Should be available																								
4.	Sites referred -	<p>Sheldon Moonjelil - <a href="https://developers.google.com/custom-search/docs/tutorial/creatingcse">https://developers.google.com/custom-search/docs/tutorial/creatingcse</a> This site helps in understanding and creating a Programmable Search Engine</p> <p>Yashodeep Pawar - <a href="https://www.collegesearch.in/">https://www.collegesearch.in/</a> This site helps in sorting out the colleges and has feature of distinguishing the colleges according to various points.</p> <p>Vrundali Navadiya -</p>																								

		<a href="http://dtemaharashtra.gov.in/">http://dtemaharashtra.gov.in/</a> This site helps to ensure that technical institutions catering to Engineering, Architecture, Pharmacy and Hotel Management & Catering Technology courses across the State of Maharashtra confirm with the policies, rules, guidelines and strategies formulated by the Central and State governments
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## INTRODUCTION

In today's reality, as both students and parents carry a limited awareness of the new educational opportunities available, a majority of students tend to limit their options and end up focussing on only certain courses or branches. Thus due to

this lack of vital information, many deserving students often end up making the wrong choices at this crucial educational juncture, and end up in compatible institutions.

So we came up with the idea of creating a website which will be a single portal system where the present generation can make the right application choices within the right time-frames, based on their interest and passion, with reputed govt. And govt. Aided institutions.

The website will include All the College information(Name, Location, Contact, E-Mail) which are needed. Also The search engine in the website is added so that one can search. There will be a filtration feature to sort out the college as per user. Then the reviews page is added to get the reviews of the college. Also a discussion panel to get the proper discussion about the doubts.

## **PROBLEM STATEMENT**

In today's reality, as both students and parents carry a limited awareness of the new educational opportunities available, a majority of students tend to limit their options and end up focussing on only certain courses or branches. Thus due to this lack of vital information, many deserving students often end up making the wrong choices at this crucial educational juncture, and end up in compatible institutions. Hence create a single portal where one can surf around different colleges all over India .

## **PROBLEM SOLUTION**

We have addressed these issues using our website which helps in filtering out the colleges based on the search criterias given by the user. Thus providing the user with the appropriate information helping them in selecting their college.

## **FEATURES**

### **1.To Find the Best college in Nearby location :**

Through different reviews and comments one can get the best colleges nearby. This will include the reviews in points format.

### **2.To Find the college details.**

Through search engine users can search the college and its details.

### **3.To Find the faculty details of any college**

Also through searching the colleges, users can get info about the faculty.

### **4.To Discuss about College forum.**

Users can discuss or ask doubts about the colleges in the college discussion panel.

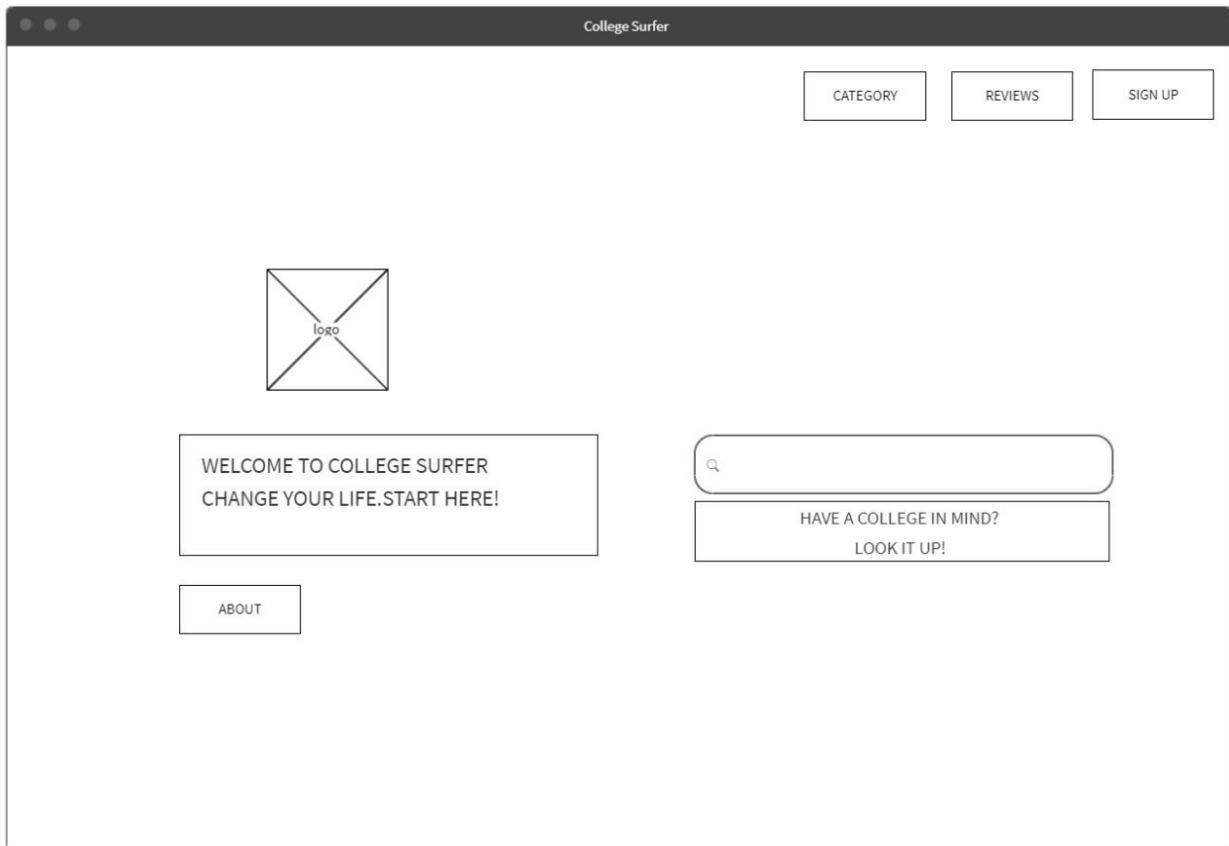
### **5. Sorting colleges based on streams.**

### **6. Details about government affiliation.**

# Design

## Wireframes –

### Home page



**Fig.1.Home Page wireframe**

The homepage being one of the most important pages of the sites connects all the other pages.

## REGISTER PAGE

REGISTER

REGISTER

Fill this form to create an account

Email

Enter Email

Password

Enter Password

Repeat Password

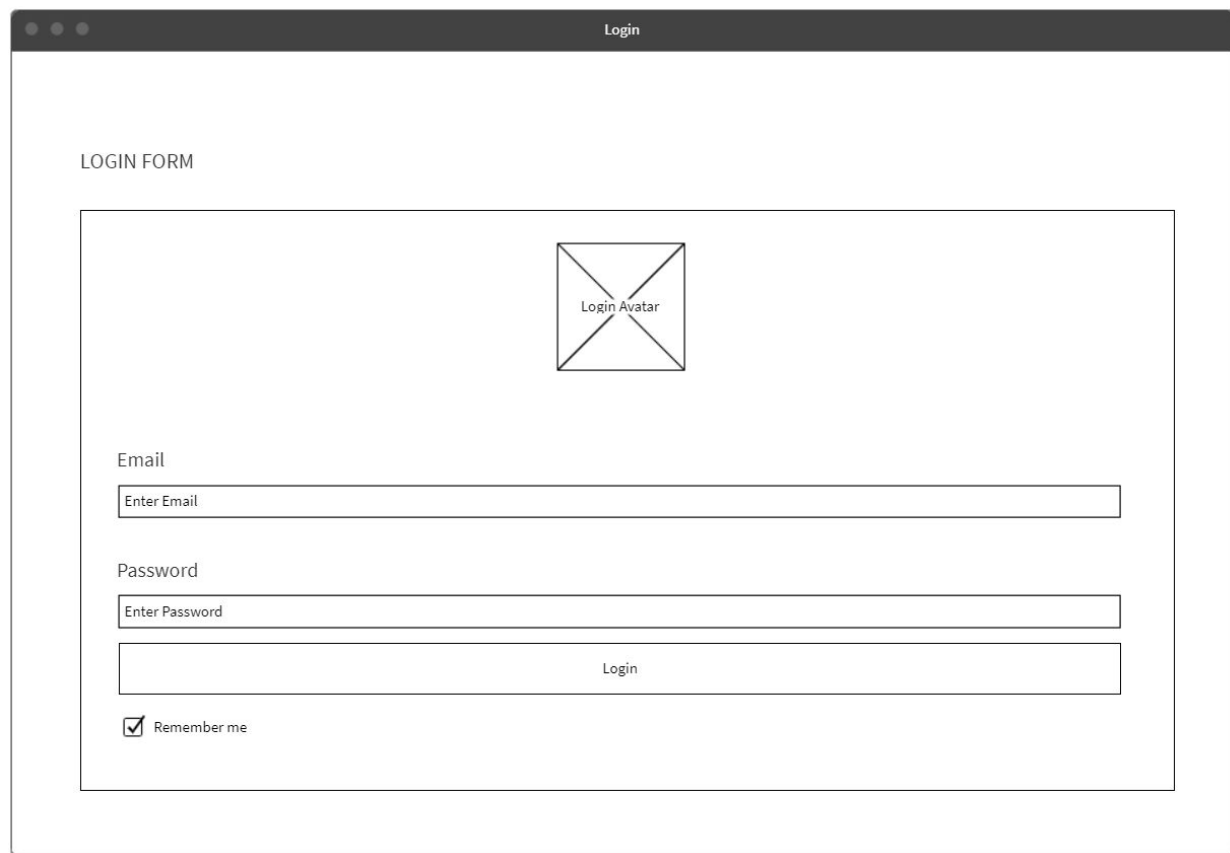
Repeat Password

REGISTER

Already have an account? Sign-in

This page registers a new user to the database.

## LOGIN PAGE

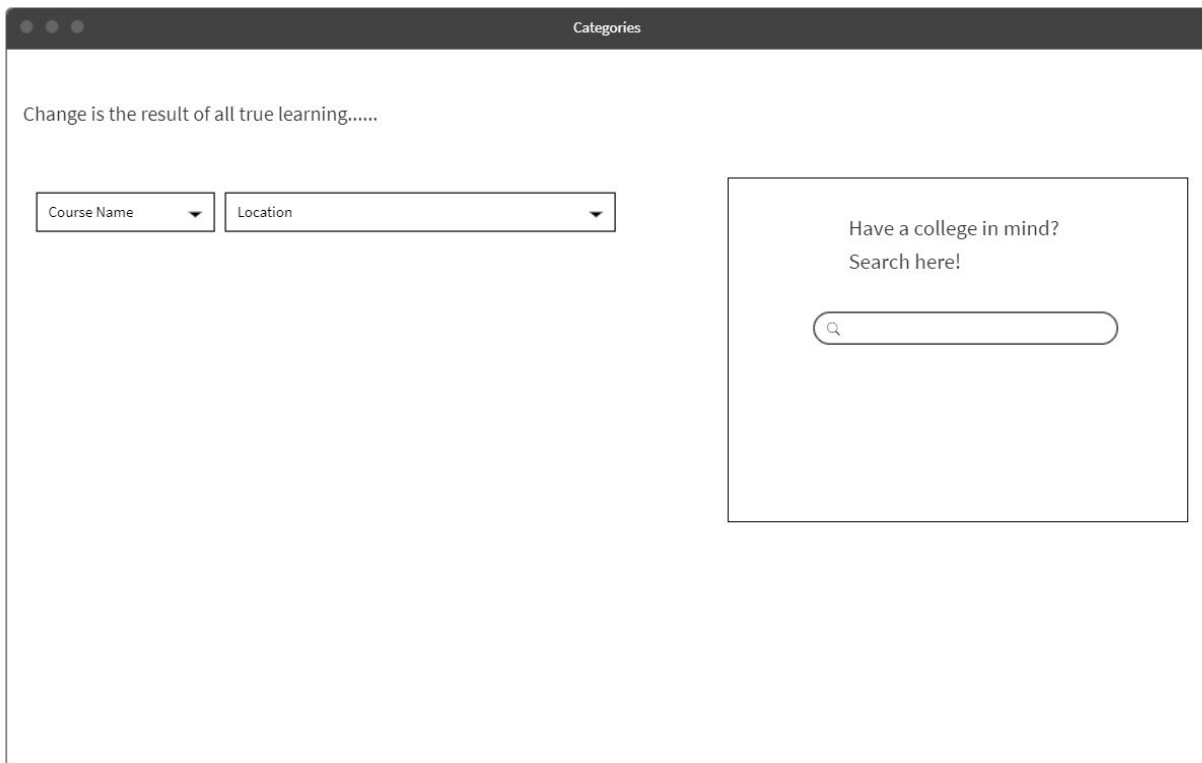


The image shows a web browser window titled "Login". Inside the window, the text "LOGIN FORM" is displayed. Below this, there is a large rectangular box containing a placeholder for a user avatar, represented by a square with an 'X' and the text "Login Avatar". Underneath the avatar box, there are three input fields: the first is labeled "Email" with the placeholder text "Enter Email"; the second is labeled "Password" with the placeholder text "Enter Password"; and the third is a button labeled "Login". At the bottom left of the form box, there is a checked checkbox followed by the text "Remember me".

This page lets an already registered user login to the system.



## Categories page



Categories

Change is the result of all true learning.....

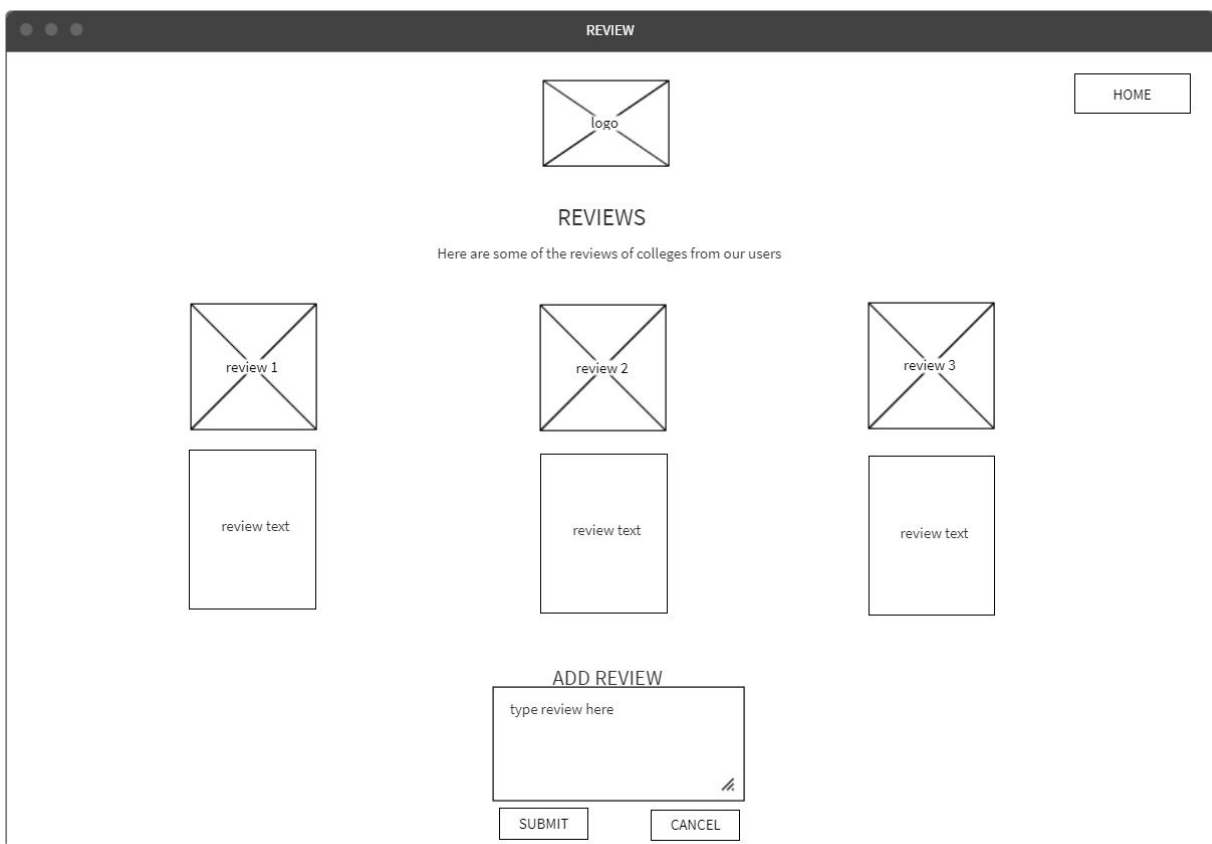
Course Name Location

Have a college in mind?  
Search here!

Q

This page consists of different filter categories as well as a direct search option for colleges.

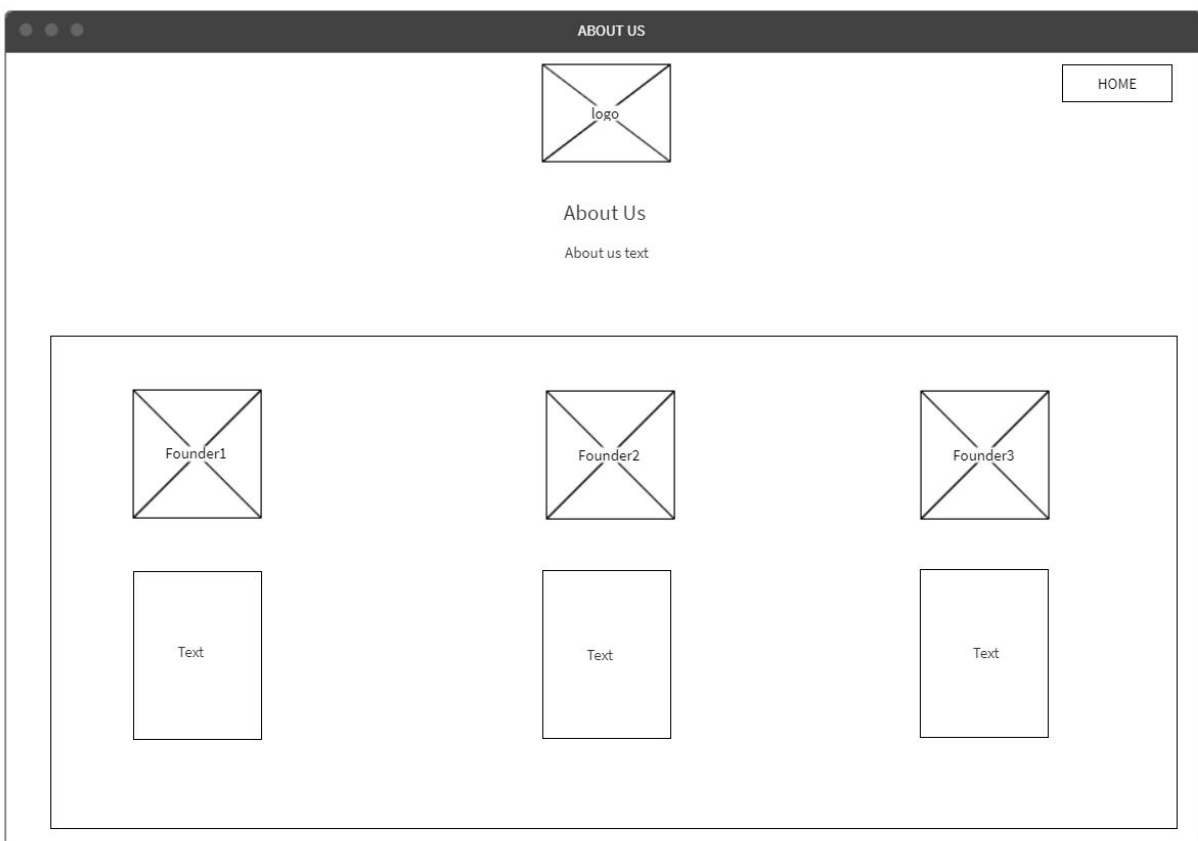
## Review Page



The wireframe illustrates a web page titled "REVIEW". At the top center is a placeholder for a logo, and at the top right is a "HOME" button. Below the logo is the heading "REVIEWS" followed by the text "Here are some of the reviews of colleges from our users". The main content area displays three review items, each consisting of a square placeholder with a diagonal cross (labeled "review 1", "review 2", and "review 3" respectively) and a rectangular text box below it (labeled "review text"). At the bottom, there is an "ADD REVIEW" section featuring a text input field with the placeholder "type review here" and a small icon, and two buttons labeled "SUBMIT" and "CANCEL".

This page is to display user reviews about colleges and universities they have looked up. New reviews can also be added.

## About Us page



The about us page gives insight on what is the purpose of this website and information about its creators

## Blueprint–

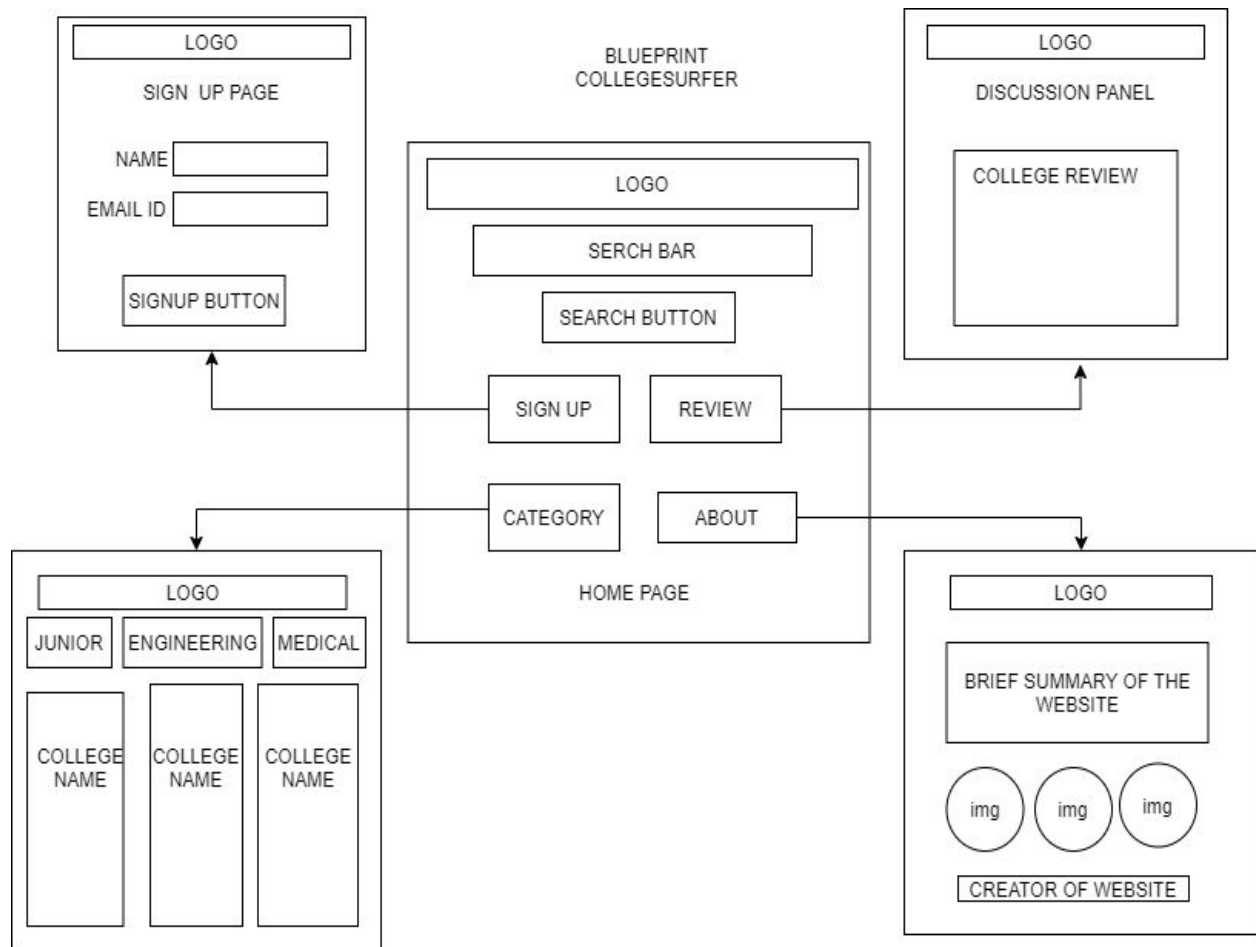


Fig.2. Blueprint of website

Blueprint describes the whole network of our website where we have in total 5 HTML pages. Starting with the homepage where a quick search option is available and further four options to select as per required by the user. All the other four pages are connected to the home page from where we can access them. In all the other pages there are different functions which are required for users.

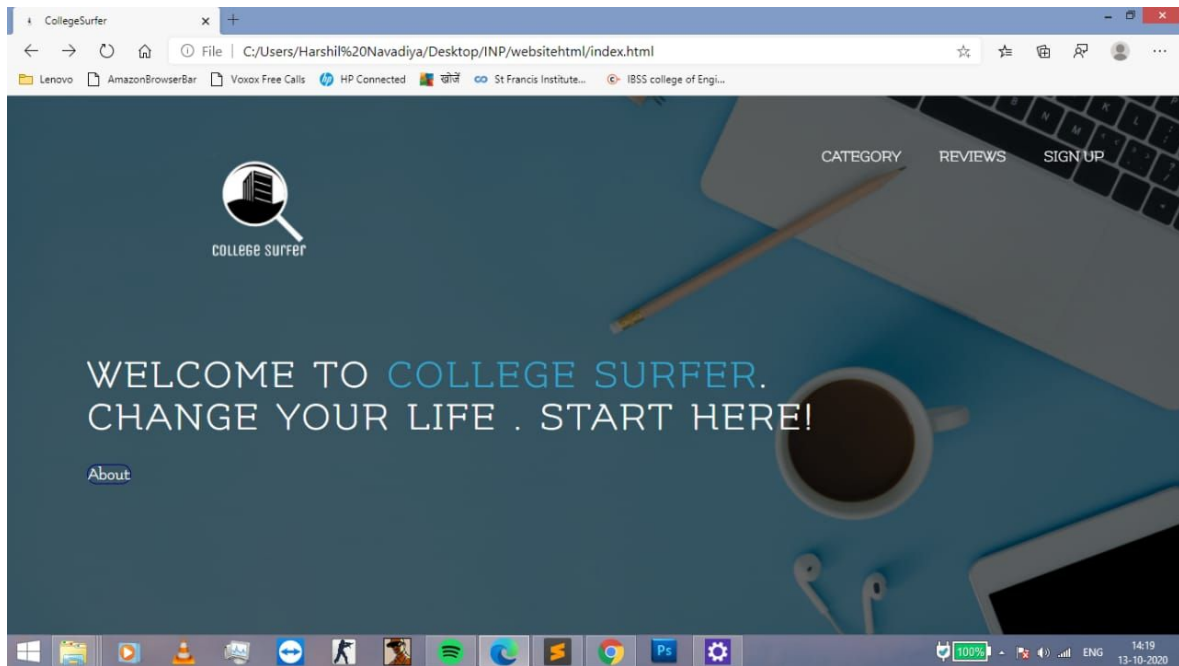
# Output

## (Screenshot and Description)

### Activity Completed( Mid Semester)

Sr. No.	Activity	Status	Remarks
1	Formulate a web design proposal containing requirement analysis	Done	
2	Create a webpage using HTML and different types of CSS	Done	
3	Perform form validation using JavaScript and design a skeleton for website	Done	
4	Design a Web Layout Using RWD Framework demonstrating HTML5 features like embedding audio, video, geolocation and accessibility	Done	
5	Demonstrate CSS3 transition , transformation, animation, aesthetics and responsive form in your website.	Done	
6	Mid Term Project Evaluation	Done	

## OUTPUT-



**Fig.1.Home Page**

Sr. No.	Feature Used	Technology Used
1	Navigation Bar, Linked Button	HTML5
2	Logo	CSS3 Animation
3	Responsive	Viewport

The screenshot displays a web browser window with the address bar showing 'signup\_page.html'. The page has a dark blue background with a subtle geometric pattern. At the top, the word 'Register' is written in white. Below it, a message says 'Please fill in this form to create an account.' The form consists of three white input fields: 'Email' (with placeholder 'Enter Email'), 'Password' (with placeholder 'Enter Password'), and 'Repeat Password' (with placeholder 'Repeat Password'). Below these fields is a green button labeled 'Register'. At the bottom of the form, there is a link that says 'Already have an account? [Sign in.](#)' The Windows taskbar is visible at the bottom of the browser window.

Fig.2.1 SignUp Page

The screenshot displays a web browser window with the address bar showing 'login.html'. The page has a dark blue background with a subtle geometric pattern. At the top, the text 'Login Form' is written in white. Below it is a large white oval containing a black icon of a person with a checkmark. The form consists of two white input fields: 'Email' (with placeholder 'Enter Email') and 'Password' (with placeholder 'Enter Password'). Below these fields is a green button labeled 'Login'. A small tooltip message 'Please fill out this field.' is visible over the 'Login' button. At the bottom left of the form, there is a checkbox labeled 'Remember me'. The Windows taskbar is visible at the bottom of the browser window.

Fig.2.2 SignUp Page

Sr. No.	Feature Used	Technology Used
1	Navigation Bar, text area, Button, check box, headers	HTML5



2	Logo	CSS3 Animation
3	Responsive	Viewport

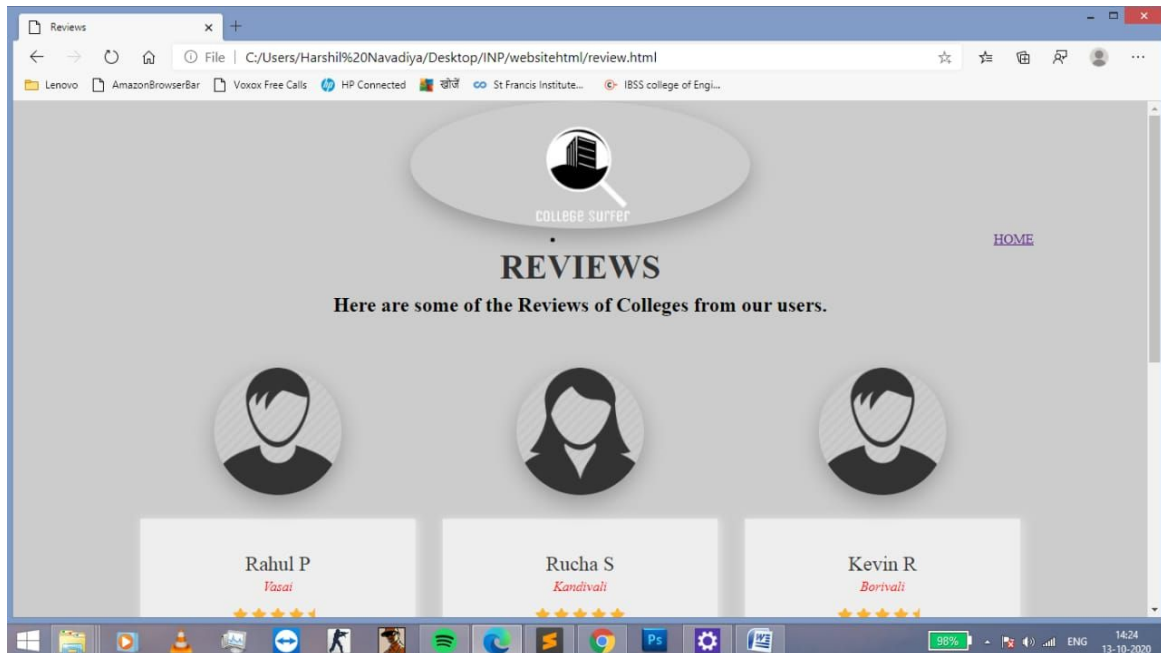


Fig.4.1.Review Page

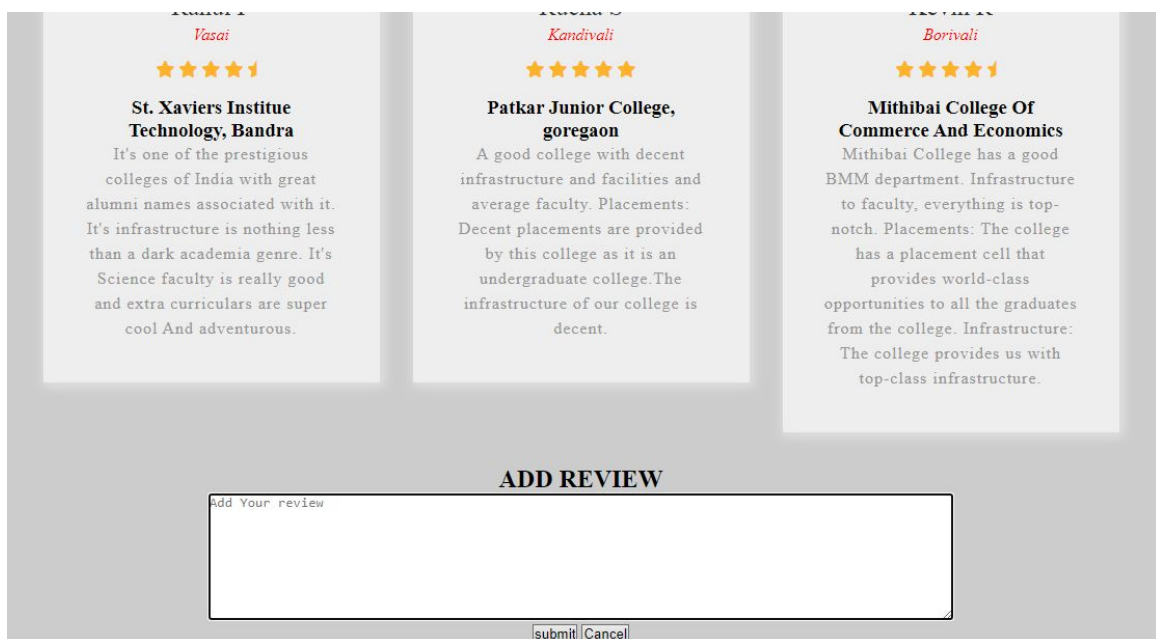


Fig.4.2.Review Page

Sr. No.	Feature Used	Technology Used
1	Navigation Bar, Text Area, Button, Rating(span tag), Image	HTML5
2	Logo, shadow, font, color, radius tags.	CSS3 Animation
3	Responsive	Viewport

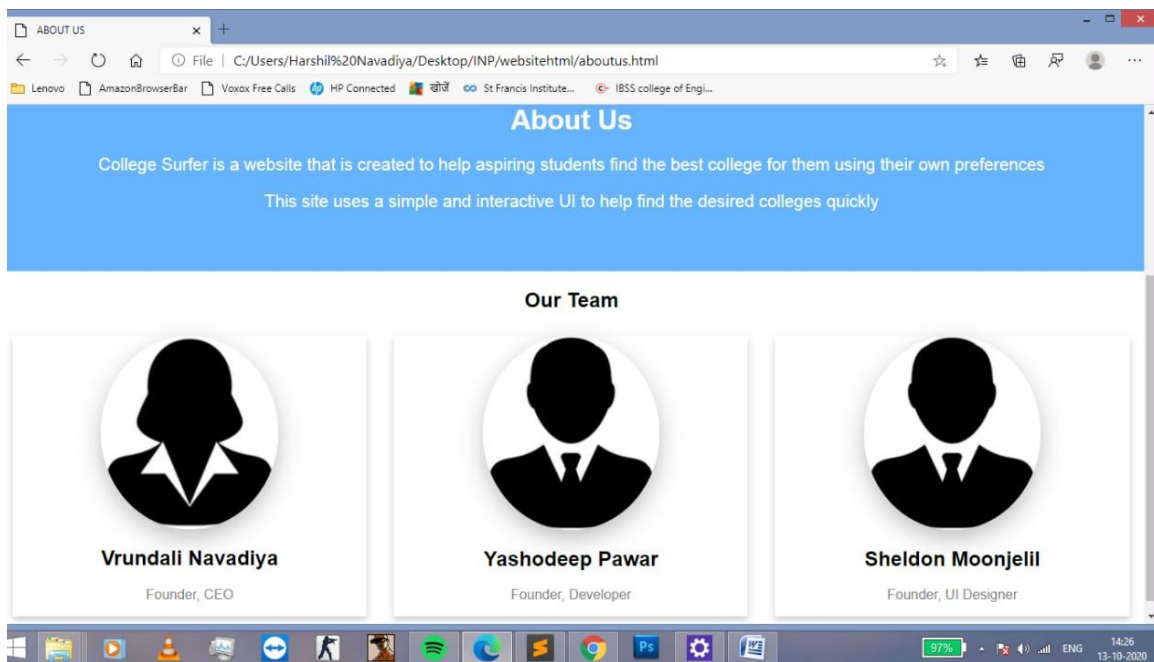


Fig.5.About Page

Sr. No.	Feature Used	Technology Used
1	Headers, Image	HTML5
2	Logo, image border, shadow, radius,	CSS3 Animation
3	Responsive	Viewport

### Weekly Activity (Semester End)

<b>Sr. No.</b>	<b>Activity</b>	<b>Status</b>	<b>Remarks</b>
<b>7</b>	Create and connect database with mini project by using PHP and MySQL.	Done	
<b>8</b>	<b>XML -</b> c) Use XSLT elements d) Create XML Schema	Done	
<b>9</b>	<b>AJAX &amp; JSON -</b> b) Develop and design RIA using AJAX b) Access a JSON file	Done	
<b>10</b>	Host website using any free web domain.	Done	
<b>11</b>	Final Project Evaluation	Done	

## OUTPUT-



Fig.2. Php

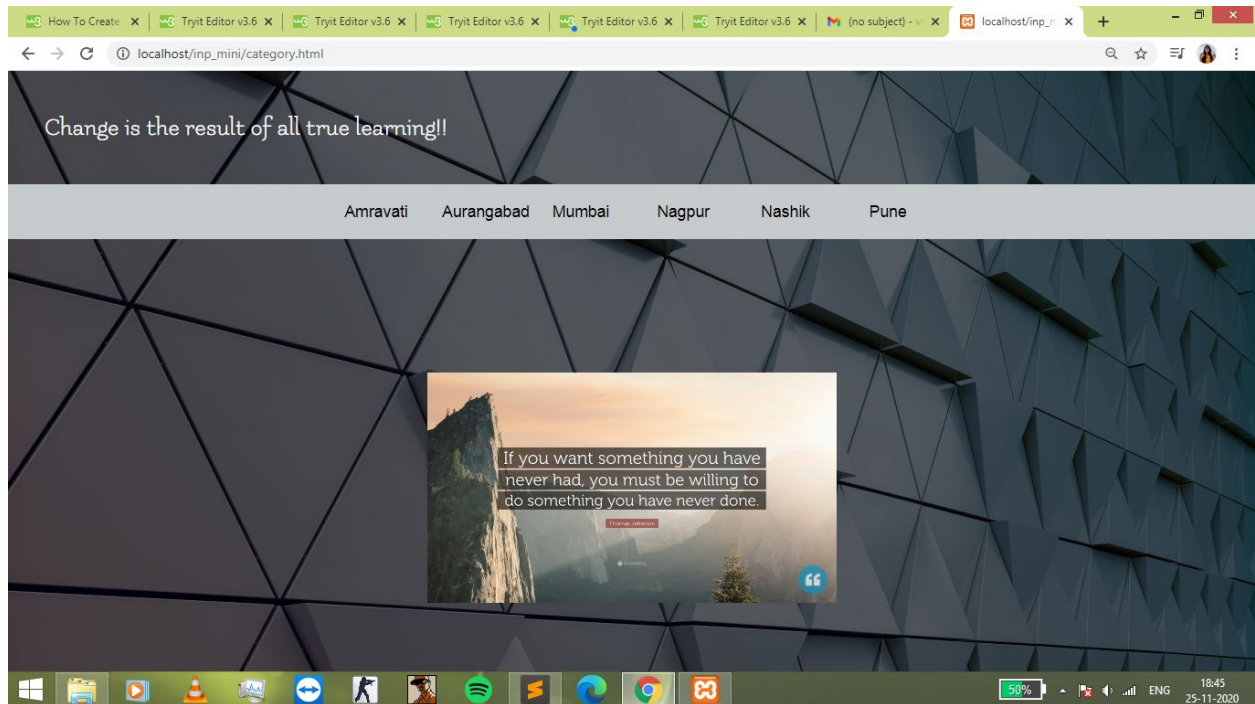
## Description-

Sr. No.	Feature Used	Technology Used
1	College Listing	Php database , HTML5, XML
2	College Link	AJAX
3		



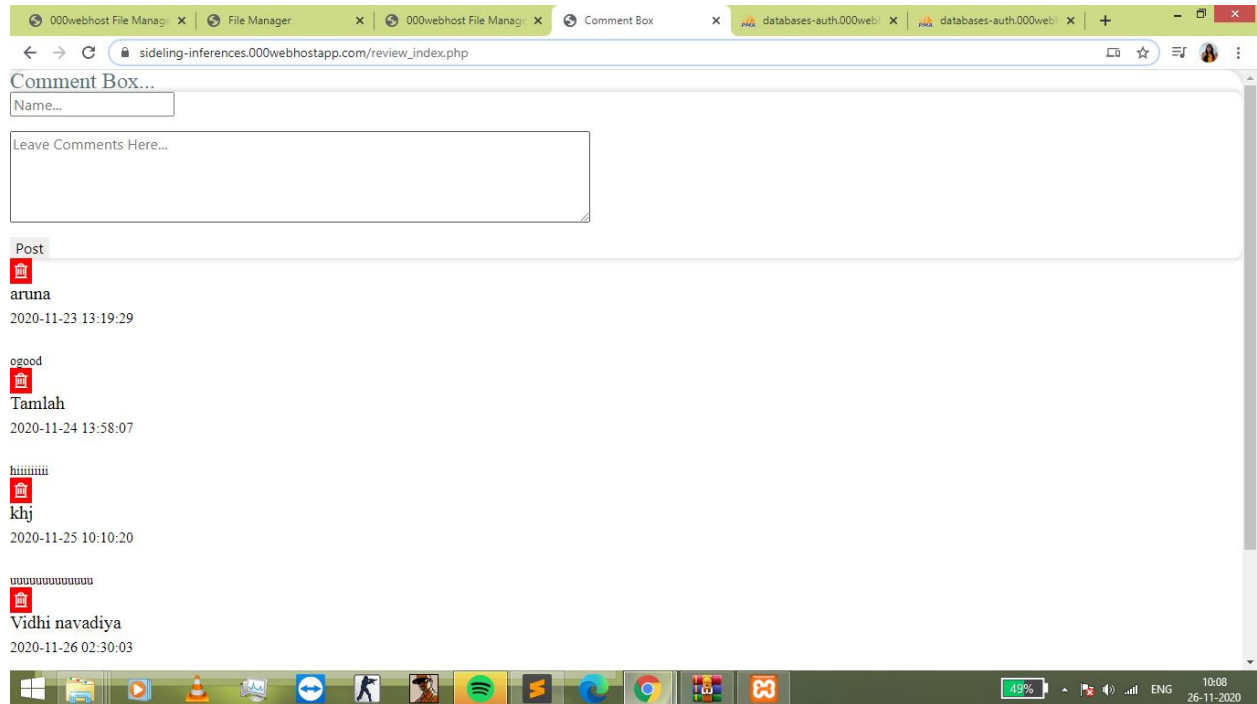
## Description-

Sr. No.	Feature Used	Technology Used
1	College Page	Php database , HTML5, XML



## Description-

Sr. No.	Feature Used	Technology Used
1	LOCATIONS	Php database , HTML5, Session



## Description-

Sr. No.	Feature Used	Technology Used
1	Comment Box	Php database , HTML5, Session
2	Review Panel	AJAX, JSON
3	Delete function	AJAX, JSON, Php database

# Conclusion



## **Conclusion:**

- During the course of this project we learned about HTML, CSS, JS and how to use them to create our website.
- Using CSS we styled the web HTML with different CSS functions like padding, margin and borders
- We also created a user login database using PHP and MySQL
- We used XSLT elements and created an XML schema for the College search results page
- At the end we were able to successfully host our website using a free domain.

# Work Distribution

Page/ Modules	Done by
HOME PAGE, SIGN UP PAGE(FORM VALIDATION JS), CATEGORY PAGE, XML,XSLT,PHP mySQL	Vrundali Navadiya
REVIEW PAGE(RESPONSIVE), BLUEPRINT XML DATABASE	Yashodeep Pawar
ABOUT PAGE, WIREFRAMES, LOGO DESIGN, AJAX JSON	Sheldon Moonjelil

# References

## References:

- a. W3schools.com. n.d. W3schools Online Web Tutorials. [online] Available at: <<https://www.w3schools.com/>> [Accessed 25 October 2020].
- b. www.javatpoint.com. n.d. Tutorials - Javatpoint. [online] Available at: <<https://www.javatpoint.com/>> [Accessed 25 October 2020].
- c. Collegesearch.in. n.d. Find Top Colleges In India & Apply | Collegesearch - Largest Education Platform. [online] Available at: <<https://www.collegesearch.in/>> [Accessed 25 November 2020].
- d. Dtemaharashtra.gov.in. 2020. Directorate Of Technical Education, Maharashtra State, India. [online] Available at: <<http://dtemaharashtra.gov.in/>> [Accessed 25 November 2020].