

Inter/Intra Institutional Internship Report on  
**“Web Development”**

Submitted to



**Visvesvaraya Technological University**  
Jnana Sangama, Belagavi

In partial fulfillment of the requirements for the award of Degree in  
Bachelor of Engineering in Computer Science & Engineering  
By

**Ms. Soumya M Pujar**

**USN: 2BU21CS152**

Under the guidance of

**Ms. Kangana W. M.**

Computer Science & Engineering Department  
S.G.B.I.T. Belagavi



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**2022 - 2023**

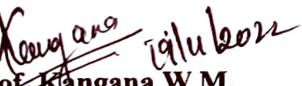
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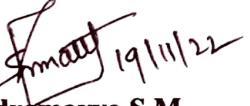
Department of Computer Science & Engineering  
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## CERTIFICATE

Certified that the Internship entitled "**Web Development**" is a bonafide work carried out by **Ms. Soumya M Pujar (2BU21CS152)** in partial fulfillment for the award of Degree of Bachelor of Engineering in Computer Science & Engineering of the Visvesvaraya Technological University, Belagavi, during the year 2022- 2023. The Internship report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the said Bachelor of Engineering Degree.

  
**Prof. Kangana W.M.**  
Internship Mentor

  
**Dr. B. S. Halakarnimath**  
HoD, CSE

  
**Prof. Sidramayya S M**  
Internship Coordinator

  
**Dr. B. R. Patagundi**  
(Principal)  
S.S. Education Trust's  
S.G. Balekundri Institute of Technology  
Shivabasavanagar, Belagavi-590 010

Name of the Evaluators:

- 1.
- 2.

Signature with date

## **CONTENT**

<b>SI No.</b>	<b>Particulars</b>	<b>Page No.</b>
1	Abstract	01
2	Acknowledgement	02
3	Declaration	03
4	List of figures	04
5	List of tables	05
	I. Introduction	06
	II. Objectives of internship	07
	III. Methodologies	08-16
	IV. Details of Software used	17
	V. Result and Discussion	18-24
	VI. Advantages and disadvantages	25
	VII. Applications	26
	VIII. Conclusion and future scope	27
	IX. Internship Description	28
	X. Internship outcomes	29
	XI. References	30

## **Abstract**

Website Design and learning HTML were the main objective of this internship. To develop a web based application there are several programming languages that are in use. Some of them are only used for the frontend and backend design of the software. For example, HTML3, HTML4, HTML5, CSS, JavaScript etc. There are also some other programming languages that are used to develop the dynamic functions of the software or application. For example- PHP. Nowadays there are also some frameworks that use vastly. If we develop web based application that is very useful for us because we can access it from anywhere in the world. Training in related technologies added huge experiences in my upcoming career. Solving real life problems was another key issue. This report takes us through all the details of WEB DEVELOPMENT knowledge and experience gathered during this internship period

## **ACKNOWLEDGEMENT**

It is my proud privilege and duty to acknowledge the kind help and guidance received from several people in preparation of this report. It would not have been possible to prepare this report in this form without valuable suggestions, cooperation and guidance.

I would like to express my special appreciation and thanks to my Internship mentor **Prof. Kangana W. M.**, Department of Computer Science & Engineering, SGBIT,Belagavi for excellent guidance, caring and patience. I have benefited greatly from her wealth of knowledge and meticulous editing.

My sincere gratitude to **Prof. Namrata Korade**, Internship Coordinator, Department of Computer Science & Engineering, for her valuable suggestions in preparing this report.

My sincere thanks to **Dr. B. S. Halakarnimath**, Professor and Head, Department of Computer Science & Engineering for his valuable suggestions and guidance

I express my sincere gratitude to **Prof. Sidramayya S M**, Internship Coordinator, SGBT Belagavi for his support and guidance.

I wish to record my sincere gratitude to Management, and **Dr. B R Patagundi**, Principal, S G Balekundri Institute of Technology for the permission provided to accomplish this internship.

I am extremely grateful to faculty members of Department of Computer Science and Engineering, friends and family members for their support and encouragement in successful completion of this internship.

Place: Belagavi

Name: Soumya M Pujar

Date: 19/11/2022

USN: 2BU21CS152

## **Declaration**

I hereby declare that the Internship entitled "Web Designing" submitted by me is original and has been carried out by me in SGBIT, Belagavi, Department of Computer Science & Engineering, under the mentor of **Prof. Kangana W. M.**. This report has been submitted in partial fulfillment for the award of Degree of Bachelor of Engineering in Computer Science & Engineering of the Visvesvaraya Technological University, Belagavi, during the year 2022-2023. The Internship report has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the said Bachelor of Engineering Degree.

Name : **Soumya M Pujar**

USN: 2BU21CS152

## **LIST OF FIGURES**

<b>Figure No</b>	<b>Figure Name</b>	<b>Page No</b>
1	Heading Tag	18
2	Sample table page	18
3	Resume	19
4	Institute web page	20-24
5	Calculator Using JavaScript	24

## **LIST OF TABLES**

<b>Table No</b>	<b>Table Name</b>	<b>Page No</b>
1	Basic html tags	9-11
2	Text properties	12-13
3	List properties	13
4	Border properties	13-14
5	Font properties	14-15

## I. Introduction

In the age of digital learning, remote working, and e-commerce, online apps and resources are becoming increasingly popular. The Internet is growing at an astonishing rate as thousands of new websites are born every single day. This has created a surge in demand for talented web developers, who are now highly sought-after in the tech world.

The Internship was quite challenging for few reasons: Firstly, the programming languages and development tools were new, hence I had to quickly integrate not only with my new living environment but also academically. This was very beneficial for me as at the end I could compare what I've learnt with what I already knew and find a connection between the two. This report is a description of my 21days internship carried out. In the following chapters details of tools and technology used and an overview is given.

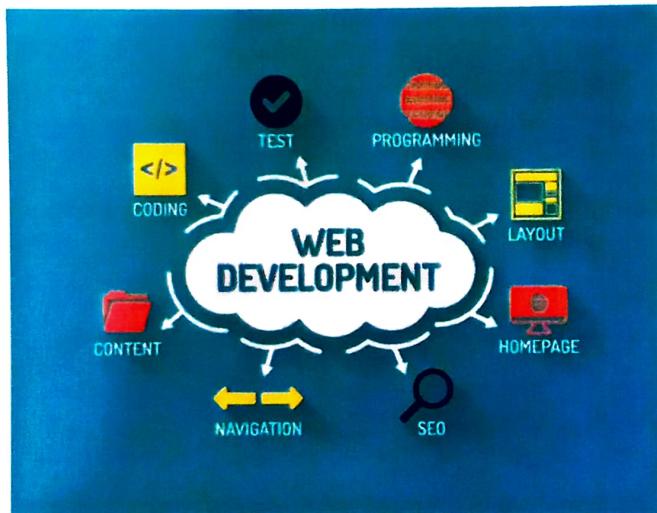


Fig. 1: Web Development

## **II. Objective**

The objective of the web design is to handle the entire design of a website. The software keeps track of all the information about the entire website. The system contains database where all the information will be stored safely.

- To gain skills and knowledge
- To get field work experience
- To enhance our communication skills
- To link theory with practice
- To build a network

### **III. Tools and Technology Used**

Various tools and technology were used during our internship training. Some of them are listed below:

#### **❖ HTML5**

HTML stands for Hyper Text Mark-up Language. It is used to design web pages using mark-up language. HTML is the combination of Hypertext and Mark-up language. Hypertext defines the link between the web pages. Mark-up language is used to define the text document within tag which defines the structure of web pages. HTML5 is the fifth and current version of HTML. It has improved the mark-up available for documents and has introduced application programming interfaces (API) and Document Object Model (DOM).

```
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
<body>
<h1>This is a Heading</h1>
<p> This is a paragraph. </p>
</body>
</html>
```

Below example illustrate the HTML5 content:

Output:

**This is a Heading**

**This is a paragraph.**

Output of the above program

## ➤ Basic HTML Tags:

Table No. 1: Basic HTML Tags

<title>	Defines a title for the document
<body>	Defines the document's body
<h1> to <h6>	Defines HTML headings
<p>	Defines a paragraph
<i>	Italic
<b>	Bold
<a>	Anchor
<ul>&<li>	Unordered List & List Item
<blockquote>	Blockquote
<hr>	Horizontal Rule
<img>	Image
<div>	Division
<a>	ANCHOR tag creates <a href="http://www.fillster.com">link</a> to other internet location, or file.
<abbr>	ABBREVIATION tags indicate interpretation of the meaning to the browsers and search engines for such as kind of abbreviations as "Inc.", "etc.".
<acronym>	ACRONYM tags defines an acronym, like; <acronym title="World Wide Web">WWW</acronym>.
<address>	ADDRESS tags are used to identify the author's contact information for a section or a document.
<applet>	APPLET element tags are used to embed and invoke a Java application within an HTML page.
<area>	AREA tag defines a section of an image.
<b>	BOLD tag is specifying <b>bold section</b> within the text document.
<base>	BASE tag defines information regarding to the links on the page.
<basefont>	BASEFONT tags defines changes of all text appearance on the web page.
<bdo>	BDO tag is specifying the direction of text display by overwriting the default value from Left to Right. <bdo dir="rtl">Right to Left</bdo>
<bgsound>	BGSOUND tag is defining a background sound for a webpage. <html> <head> <bgsound src="JingleBells.wav" loop="3"> </head> <body> </body> </html>
<big>	BIG tag makes the <big>text larger</big> then the rest of the text.
<blockquote>	BLOCKQUOTE tags <blockquote>separate a section</blockquote>

- blink	of text from the surrounding text. BLINK tags defines text to blink repeatedly. Internet Explorer doesn't support this tag yet.
- body	<html> <head> <head> <body> Body tags identify the content of a web page. </body> </html>
 	Line Break tag is specifying a new line
<button>	BUTTON tag is used to create a <button type="button">Push Button</button> Push Button
<caption>	<table> <caption>CAPTION tag adds a caption to a table.</caption> <tr> <td> </td> </tr> </table>
<center>	<center>CENTER tags center text, images, etc.</center>
<cite>	<cite>CITE tags defines a citation and displaying in italics.</cite>
<code>	CODE tags are used for example, to indicate a code of the current <code>htmltags.html</code> page.
<col>	COL tags are used to define column properties for table columns.  <table> <colgroup span="2"> <col width="60" align="left"></col> <col width="80" align="center"></col> </colgroup> <tr> <td>1st Column</td> <td>2nd Column</td> </tr> </table>
<colgroup>	COLGROUP tags are used to define groups of table columns.  <table> <colgroup span="2"> <col width="60" align="left"></col> <col width="80" align="center"></col> </colgroup> <tr> <td>1st Column</td> <td>2nd Column</td> </tr> </table>

<dd>	DD tag defines a definition description.  <dl> <dt>NASA</dt> <dd>National Aeronautics and Space Administration</dd> <dt>MBA</dt> <dd>Master of Business Administration</dd> </dl>
<dfn>	DFN tags emphasize definition, for example; <dfn>PC</dfn>; Personal Computer.
<del>	DEL tag indicates <del></del>
<dir>	DIR tags define directory lists.  <dir> <li>First</li> <li>Second</li> <li>Third</li> </dir>
<dl>	DL tag defines a definition list.  <dl> <dt>CSU</dt> <dd>California State University</dd> <dt>UN</dt> <dd>United Nations</dd> </dl>
<div>	DIV tag is a logical section of a web document.  <div> <h1>Home Pets</h1> <p>Cats</p> <p>Dogs</p> </div>
<dt>	DT tags defines a definition term.  <dl> <dt>HTML</dt> <dd>HyperText Markup Language</dd> <dt>CSS</dt> <dd>Cascading Style Sheets</dd> </dl>

## ❖ CSS3 Cascading Style Sheets

fondly referred to as CSS, is a simply designed language intended to simplify the process of making web pages presentable. CSS allows you to apply styles to web pages. More

importantly, CSS enables you to do this independent of the HTML that makes up each web page. There are three types of CSS which are given below:

- Inline CSS
- Internal or Embedded CSS
- External CSS

Below example illustrate the CSS3 content:

```
<html>
<head>
<title> HTML 5 Demo</title>
<style>
.intern {
font-size:40px;
font-weight:bold;
color:green;
}
body {
text-align:center;
}
</style>
</head>
<body>
<div class = "intern">Hello World!</div>
<aside>
<div>This is Insiya Badshah</div>
</aside>
</body>
</html>
```

Output:

# Hello World!

This is Insiya Badshah

Output of the above program

## ➤ Basic CSS Tags:

Table No. 2: Text Properties

Property	Description	Values
color	Sets the color of a text	RGB, hex, keyword
line-height	Sets the distance between lines	normal, number, length, %
letter-spacing	Increase or decrease the space between	normal, length

	characters	
text-align	Aligns the text in an element	left, right, center, justify
text-decoration	Adds decoration to text	none, underline, overline, line-through
text-indent	Indents the first line of text in an element	length, %
text-transform	Controls the letters in an element	none, capitalize, uppercase, lowercase

Table No. 3: List Properties

Property	Description	Values
list-style	Sets all the properties for a list in one declaration	list-style-type, list-style-position, list-style-image, inherit
list-style-image	Specifies an image as the list-item marker	URL, none, inherit
list-style-position	Specifies where to place the list-item marker	inside, outside, inherit
list-style-type	Specifies the type of list-item marker	none, disc, circle, square, decimal, decimal-leading-zero, armenian, georgian, lower-alpha, upper-alpha, lower-greek, lower-latin, upper-latin, lower-roman, upper-roman, inherit

Table No. 4: Border Properties

Property	Description	Values
border	Sets all the border properties in one declaration	border-width, border-style, border-color
border-bottom	Sets all the bottom border properties in one declaration	border-bottom-width, border-bottom-style, border-bottom-color
border-bottom-color	Sets the color of the bottom border	border-color
border-bottom-style	Sets the style of the bottom border	border-style
border-bottom-width	Sets the width of the bottom border	border-width
border-color	Sets the color of the four borders	color_name, hex_number, rgb_number, transparent, inherit
border-left	Sets all the left border	border-left-width, border-left-style, border-

	properties in one declaration	left-color
border-left-color	Sets the color of the left border	border-color
border-left-style	Sets the style of the left border	border-style
border-left-width	Sets the width of the left border	border-width
border-right	Sets all the right border properties in one declaration	border-right-width, border-right-style, border-right-color
border-right-color	Sets the color of the right border	border-color
border-right-style	Sets the style of the right border	border-style
border-right-width	Sets the width of the right border	border-width
border-style	Sets the style of the four borders	none, hidden, dotted, dashed, solid, double, groove, ridge, inset, outset, inherit
border-top	Sets all the top border properties in one declaration	border-top-width, border-top-style, border-top-color
border-top-color	Sets the color of the top border	border-color
border-top-style	Sets the style of the top border	border-style
border-top-width	Sets the width of the top border	border-width
border-width	Sets the width of the four borders	thin, medium, thick, length, inherit

Table No. 5: Font Properties

Property	Description	Values
font	Sets all the font properties in one declaration	font-style, font-variant, font-weight, font-size/line-height, font-family, caption, icon, menu, message-box, small-caption, status-bar, inherit
font-family	Specifies the font family for text	family-name, generic-family, inherit
font-size	Specifies the font size of	xx-small, x-small, small, medium, large, x-large,

	text	xx-large, smaller, larger, length, %, inherit
font-style	Specifies the font style for text	normal, italic, oblique, inherit
font-variant	Specifies whether or not a text should be displayed in a small-caps font	normal, small-caps, inherit
font-weight	Specifies the weight of a font	normal, bold, bolder, lighter, 100, 200, 300, 400, 500, 600, 700, 800, 900, inherit Careful, many of these are not supported!

## ❖ PHP:

PHP started out as a small open source project that evolved as more and more people found out how useful it was. Rasmus Lerdorf unleashed the first version of PHP way back in 1994.

- PHP is a recursive acronym for "PHP: Hypertext Preprocessor".
- PHP is a server side scripting language that is embedded in HTML. It is used to manage dynamic content, databases, session tracking, even build entire e-commerce sites.
- It is integrated with a number of popular databases, including MySQL, PostgreSQL, Oracle, Sybase, Informix, and Microsoft SQL Server.
- PHP is pleasingly zippy in its execution, especially when compiled as an Apache module on the Unix side. The MySQL server, once started, executes even very complex queries with huge result sets in record-setting time.
- PHP supports a large number of major protocols such as POP3, IMAP, and LDAP. PHP4 added support for Java and distributed object architectures (COM and CORBA), making n-tier development a possibility for the first time.
- PHP is forgiving: PHP language tries to be as forgiving as possible.
- PHP Syntax is C-Like.

### Common uses of PHP:

- PHP performs system functions, i.e. from files on a system it can create, open, read, write, and close them.
- PHP can handle forms, i.e. gather data from files, save data to a file, through email you can send data, return data to the user.
- You add, delete, modify elements within your database through PHP.

- Access cookies variables and set cookies.
- Using PHP, you can restrict users to access some pages of your website.
- It can encrypt data.

### **Characteristics of PHP :**

Five important characteristics make PHP's practical nature possible –

- Simplicity
- Efficiency
- Security
- Flexibility
- Familiarity

## **❖ JavaScript**

JavaScript is a lightweight, cross-platform and interpreted scripting language. It is well-known for the development of web pages, many non-browser environments also use it. JavaScript can be used for Client-side developments as well as Server-side developments.

Features of JavaScript:

- According to a recent survey conducted by Stack Overflow, JavaScript is the most popular language on earth. With advances in browser technology and JavaScript having moved into the server with Node.js and other frameworks, JavaScript is capable of so much more.
- Functions in JS are objects. They may have properties and methods just like another object. They can be passed as arguments in other functions.
- Can handle date and time.
- Performs Form Validation although the forms are created using HTML.
- No compiler needed.

## **IV. Details of Hardware and Software used**

### **❖ HARDWARE REQUIREMENTS**

- Hardware : Processor Intel dual core and above
- Clock speed : 3.0 GHz
- RAM size : 512 MB
- Hard Disk capacity : 400 GB

### **❖ SOFTWARE REQUIREMENTS**

- Operating System : Windows XP, Windows 7, Windows 8, Windows10
- Internet connection : Existing telephone lines, Data card.
- Browser : Google chrome latest version
- Database : MySQL.
- Performance : The turn-around time of the project will be medium.
- Documentation : MS-Office
- Server : Xampp

## V. Result and Discussion

**Assignment 1: Heading Tags:** Sample of heading tags from h1 to h6 are used and shown as below.

**This is Heading 1**

**This is Heading 2**

**This is Heading 3**

**This is Heading 4**

**This is Heading 5**

**This is Heading 6**

Fig. 2: Heading Tag

**Assignment-2: Sample table page**

SL.NO	category	amount	Remark
1	Rice	100/-	
2	dal	200/-	
		300/-	Good

Fig.3: Sample table page

## Assignment 2: Resume

This page is created using table tag, form tag, list tag, and list tag.

**RESUME**

NAME Soumya M. Pujar  
Nabaj Belagavi  
Belagavi Karnataka  
pin no. 591103

E mail ID soumyapujarpujar@gmail.com  
mobile no 884270532

**OBJECTIVE:** To secure a challenging position in a reputable organization to expand my learnings, knowledge, and skills. Secure a responsible career opportunity to fully utilize my training and skills, while making a significant contribution to the success of the company. Seeking an entry-level position to begin my career in a high-level professional environment.

**EDUCATION QUALIFICATION**

**undergraduate :** B.E in computer science engineering  
**College :** S G Balekunodi institute of technology  
**UNIVERSITY :** Vivekananda Technology University(VTU),Belgaum  
**Graduation :** 2025  
**Aggregate :** 83%

Qualification	college	board	year percentage
PUC or 12th	CSS	pre university exam board	2021 95%
SSLC Or 10th	Ave Maria	Karnataka secondary education examination board	2019 93%

**Techanical skills**

**Programming languages :** C, core java, SQL  
**J2EE :** Servlets, JSP, Spring(Beginner)  
**Web Technologies :** HTML, CSS  
**Tools :** Eclipse, QuaNet Simulator

**ACADEMIC PROJECT**

**1.TITLE:** Hand Movement Recognition System  
• C# programming is used on windows XP platform.  
• Laser dot and camera is used to control the instructions given to system.  
• Aim of this project is to control the windows media player and power point presentation by giving the hand movement signals like up, down, right, left.  
• From these signals the track will pause, play, go to next song and previous song and it increases and decreases the song in windows media player.

**2.TITLE:** Performance & Comparison of Routing Protocols in MANETs  
• QuaNet simulator tool is used on windows XP platform.  
• In Mobile Ad-hoc Network, there are reactive and proactive protocols, in this project comparing two reactive protocols.  
• Comparison of AODV and DSR reactive routing protocols, by using four parameters average throughput, average end-to-end delay, average jitter, and packet delivery ratio.

**PERSONAL DETAILS**

**Date of Birth :** 12/09/2003  
**Nationality :** Indian  
**Languages :** English, Kannada, Hindi  
**Hobbies :** Reading Books, Travelling  
**Strengths :** Consistently Learning Ability, Success and Hard working

**DECLARATION**

I declare all the the above information is true to best of my knowledge  
Place Bangalore (Name)

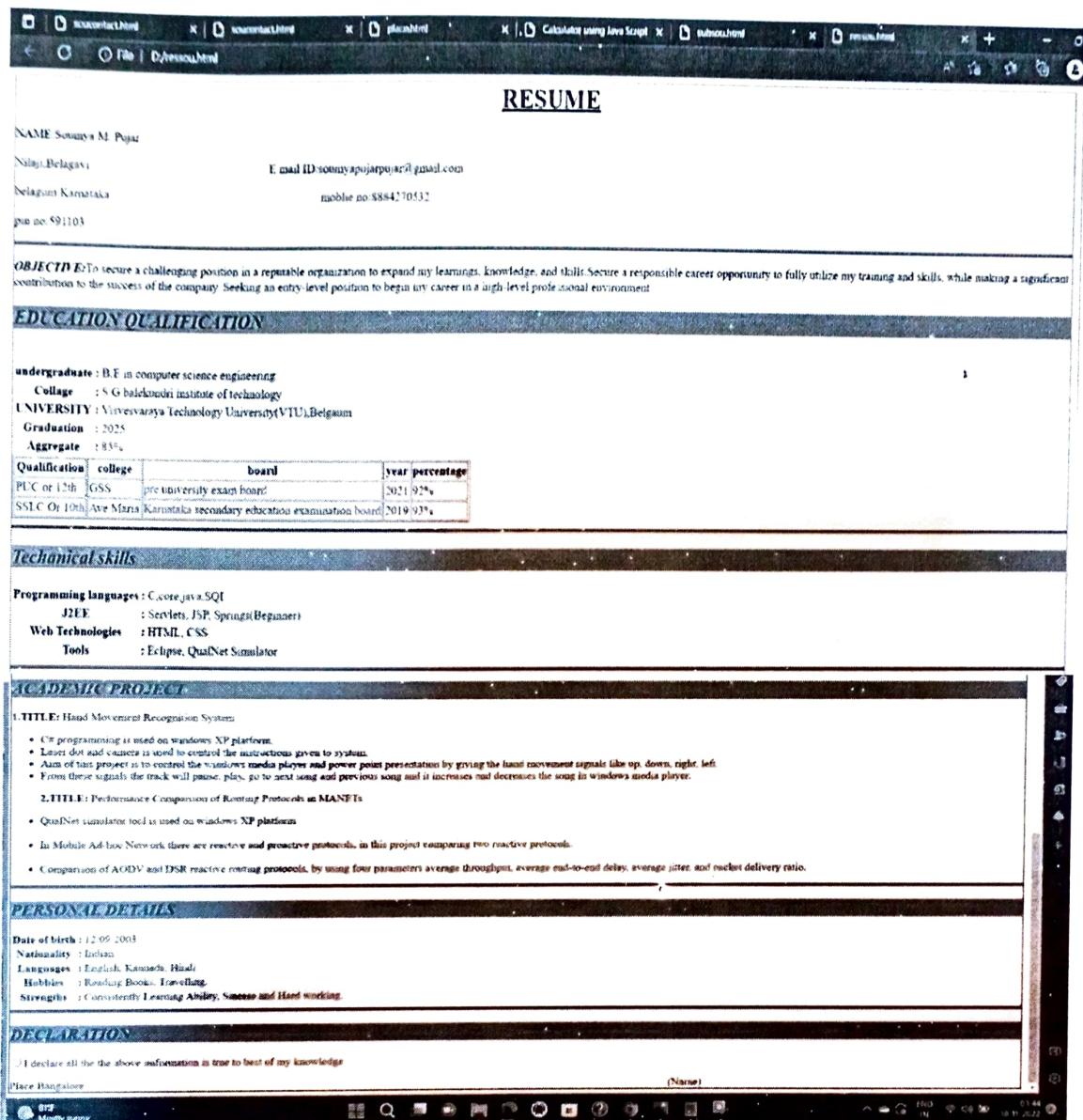


Fig. 4: Resume

## Assignment 3: Institute web page

- **Index Page:**

The index page is the URL or local file that automatically loads when a web browser starts and when the browser's 'home' button is pressed. The term is also used to refer to the front page, web server directory index, or main web page of a website of a group, company, organization, or individual.

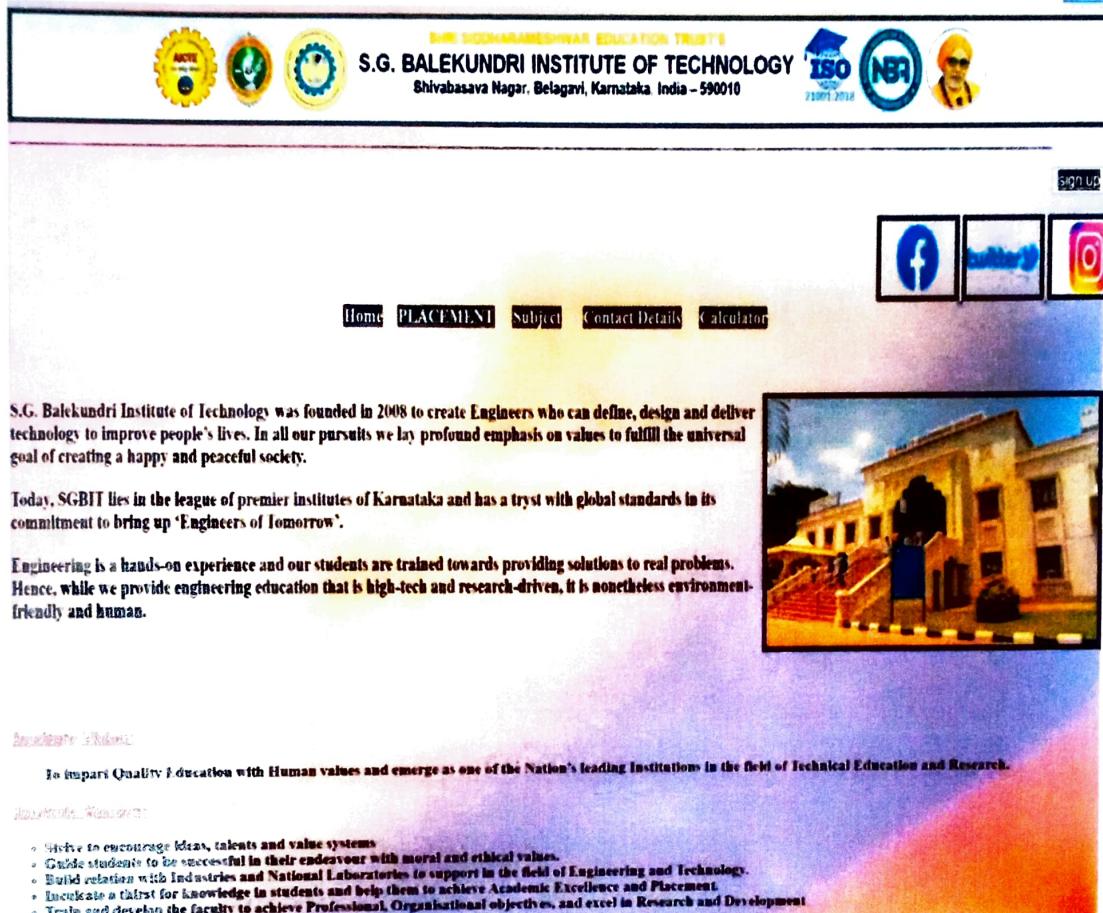


Fig. 5: Index Page

- **Home-Page:**

The home page is the first Web page that is displayed after starting a Web browser like Netscape's Navigator or Microsoft's Internet Explorer. The browser is usually pre-set so that the home page is the first page of the browser manufacturer. However, you can set it to open to any Web site.

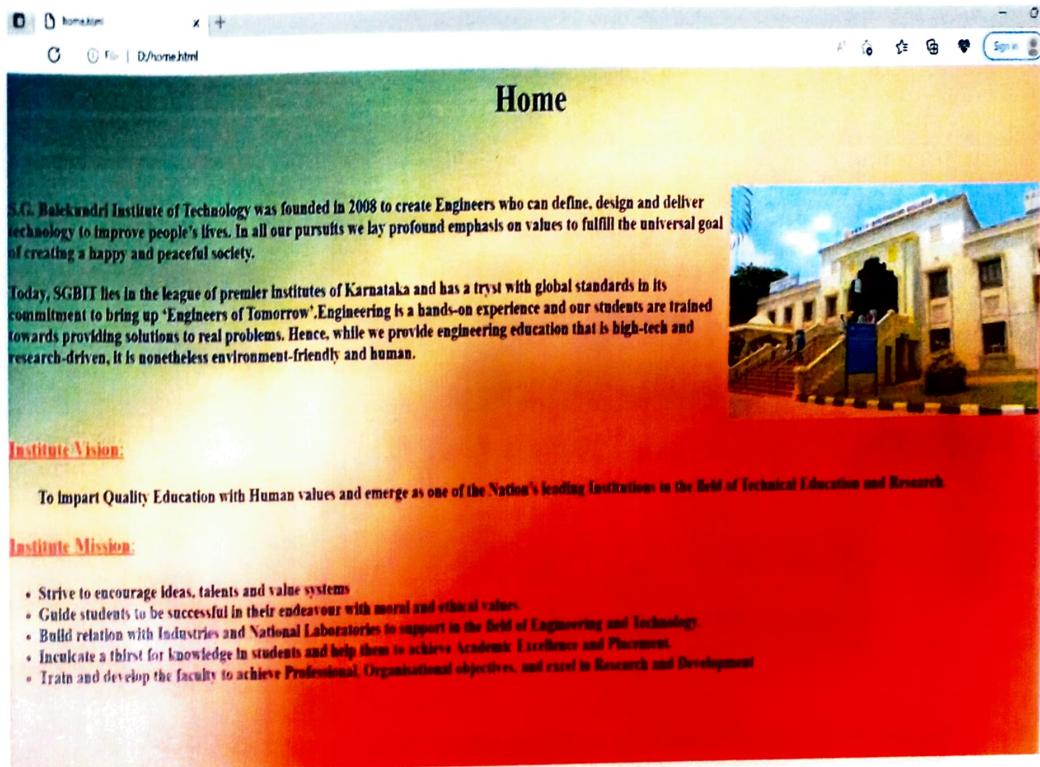


Fig. 6: Home-Page

- **Placement:**

In This Page Major Recruiters are Displayed

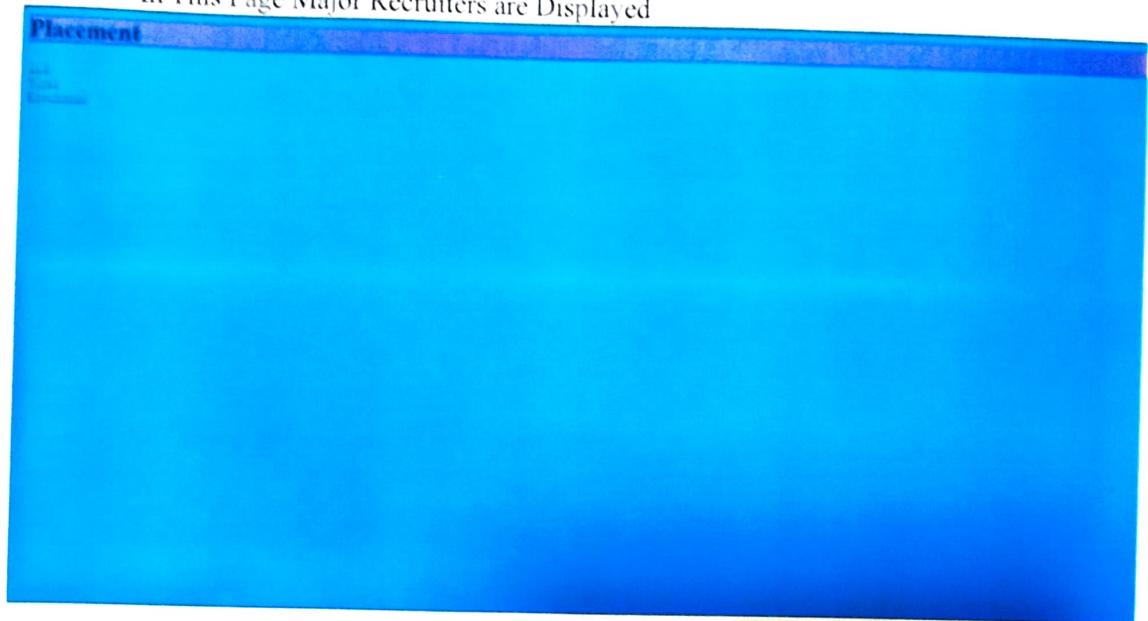


Fig.7: Placement Page

- **Subject:**

In this Subject Page Various Subject Notes, Syllabus, PPT's are displayed

This Page is created using List Tag, Anchor Tag and Style tag

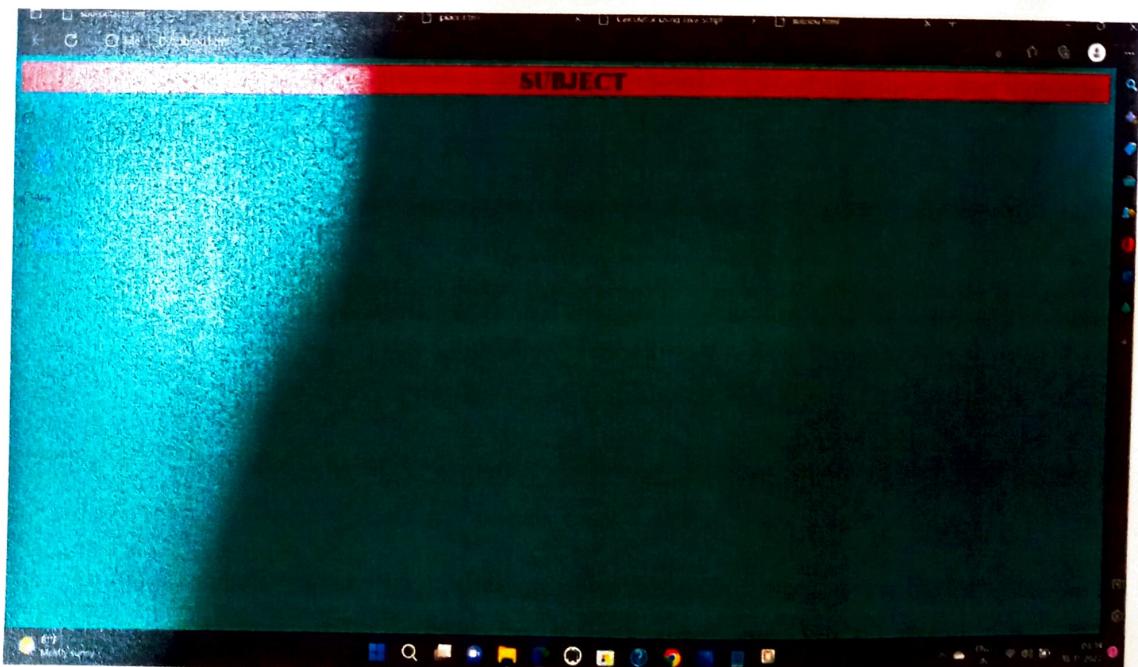


Fig.8: Subject Page

- **Help Page:**

Help page is a dedicated page on a website where visitors can find out how to get in touch with the college.

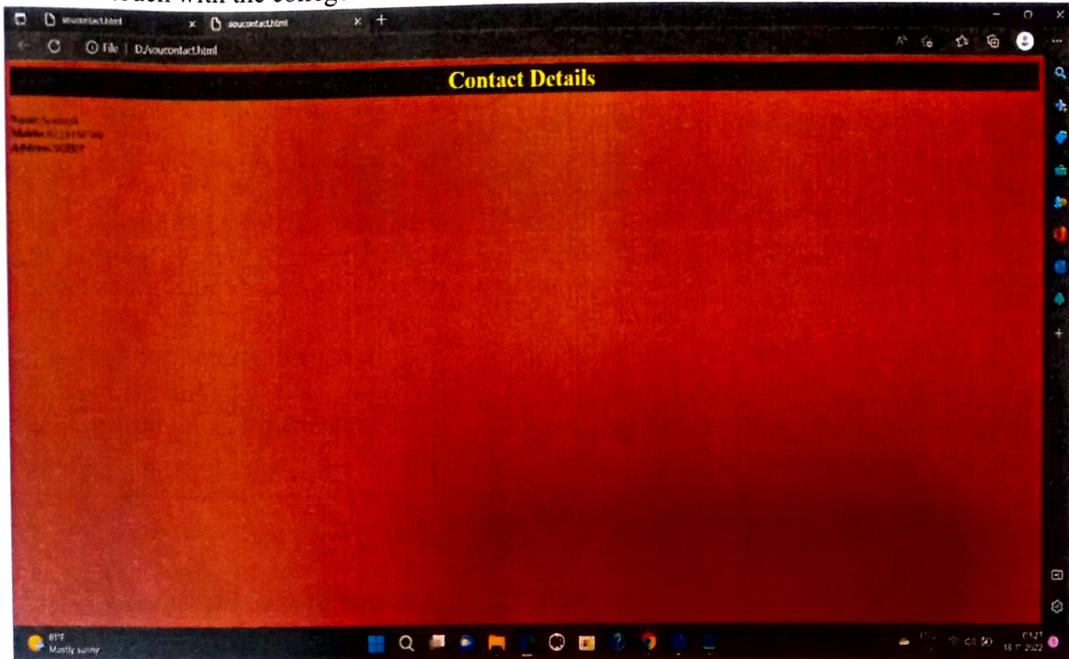


Fig.9: Help Page

- **Login Page:**

The login page allows a user to gain access to an application by entering their username and password or by authenticating using a social media login.

A screenshot of a login form titled 'LogIn Form'. It features four input fields: 'First name', 'Last name', 'Email', and 'Password'. Below these are two checkboxes: 'Terms and condition' and 'Policy'. A green 'Login' button is located at the bottom right. The background of the form is dark blue.

Fig.10: Login Page

- **Sign-up Page:**

A signup page (also known as a registration page) enables users and organizations to independently register and gain access to your system. It is common to have multiple signup pages depending on the types of people and organizations you want to register.

The screenshot shows a web browser window with a form titled "sign up". The form includes fields for Name, G mail, Password, confirm password, date of birth, gender (Male, Female, other), insert your photo, and Insert your resume. There is also a Security question dropdown and an "I agree terms and conditions" checkbox. A "Register" button is at the bottom.

Name  Enter name

G mail  Enter Gmail

Password  8 characters

confirm password  8 characters

date of birth  dd-mm-yyyy

gender  Male  Female  other

insert your photo  Choose File | No file chosen

Insert your resume  Choose File | No file chosen

Security question  select

I agree terms and conditions

Register

Fig.11: Sign-Up Page

## Assignment 4: Calculator Using JavaScript

This Page is created using script command.

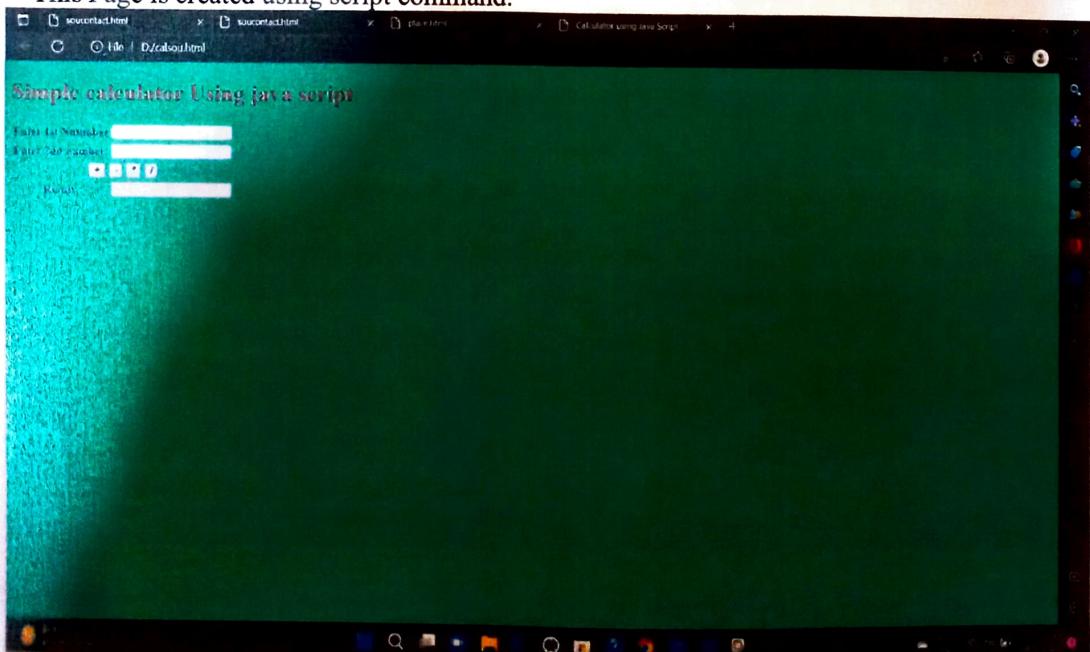


Fig. 12: Calculator using JavaScript

## **VI. Advantages and Disadvantages of Web Development:**

### **Advantages of Web Development:**

1. Runs on any OS: It's programmed to run on any OS. It must appropriately adapt to iOS, Android, and Windows Phone — amongst other operating systems.
2. Runs using easy URL: These apps run on the device's own browser through an easy URL.
3. Need not be downloaded: They don't got to be downloaded and installed from app stores like Google Play or Apple's App Store. This translates into money-saving since having an immediate link through an internet app is free.
4. Need not be updated like apps: They may also open websites. This suggests that they don't require to be updated within the way common apps do.
5. Cost Efficient: The most important benefit you'll draw faraway from its price. Web app development is that the cheaper quite app development. It consists of making a link or several links between the appliance and an URL. Developing a native app or an interpreted app entails a better cost but its chances to succeed are far greater.

### **Disadvantages of Web Development:**

1. Creates problem if website is not responsive: The website responsiveness means the website data displays on every platform and every size of screens correctly.
2. If your website undergoes any quite issue, your application are going to be in trouble too. Don't assume that your web app will work perfectly if you don't have a top-quality corporate website. For instance, if the web site's URL takes a while to load or if uncomfortable 'cookies' show up when entering the website, accessing it through the appliance will entail an equivalent issue. The matter isn't inherent to your web app. It's rather located within the website's development.
3. Internet connection is compulsory: An Internet connection are going to be an absolute must run it. Otherwise, you'll not be ready to browse the website.
4. It will also lose visibility because it won't get on display within the stores.
5. In addition, there'll be some access restrictions on certain hardware features of the device it's running on.

## **VII. Applications of WEB Designing:**

- Web Development is used to create E-Commerce sites and Systems.
- Web Development is used in Business Process Automation.
- Web Development is used in System/Data Integration.
- Web Development is used for Custom Application Development.
- Web Development is used in Content Management Systems.

## **VIII. Conclusion and future scope**

### **❖ Conclusion**

As we all know, our country is a developing country and it dreams to be a developed country soon. Day by day our job sector is getting more and more competitive. As a result, every other company is searching for experienced candidates. Internship helps to gain experience. I gained so much more in-depth knowledge of technical skills and personal skills. This project helped me gather theoretical and practical knowledge about HTML, CSS, PHP, MYSQL and other programming language. I am confident about designing and developing frontend of websites. With the rapid emergence of the digital industry, web development professionals' demand is growing, and in the coming days this has already availed so many job opportunity for newcomers. My internship training gave me a good scope to learn and discover my potentials. I am very grateful to college and trainer. Now I am able to develop web applications.

### **❖ Future Scopes**

I gained so much experience from this Internship. In my career opportunity, this internship will support me. And my future scopes will be after a good internship:

- I can work in an IT industry.
- Working as a software engineer is possible.
- Can pursue career in web design.
- Working as a web developer is a possibility.

## **IX. Internship Description**

It has been a tremendous opportunity for me to learn new technology. The internship program helped me gain important knowledge on how the IT sector shaping in the country. It has enabled me to understand the technologies that are frequently used in the software industry. I am now become used to the professional company culture, thanks to my internship program. The program has helped me develop good judgment, proceed on my own in new technological challenges, and develop better analytical skills. At the same time, it helped me learning the software life cycle for a real-life system. The projects in which I worked inspired me to be harder working, responsible and confident. The internship program has been a great helping the sense that it improved my team work capabilities. At the companies it is important to function as a unit and respect the teammate's ideas and suggestions. Team discussions like brain storming sessions helped me identify and solve numerous problem issues which would have been impossible to solve otherwise. During the last few months, I have a clear idea about how the IT industry is shaping out to be a major driving force in the country's economy. It has enabled me to understand the technologies that are frequently used in the software industry. This was only possible by participating in the internship program. Being part of the Development team has helped me to realize the challenges that lay ahead in the IT sector. I would like to convey my thanks to ETE, Southeast University for providing me an opportunity to gain idea of the competitive environment in the professional field. It has certainly lifted my software development skills in terms of design and coding. I now look forward to facing the upcoming challenges of the world.

## X. Internship Outcomes

- Structure and implement HTML/CSS.
- Apply intermediate and advanced web development practices.
- Implement basic JavaScript.
- Create visualizations in accordance with UI/UX theories.
- Create webpages that function using external data.
- Derive information from data and implement data into applications.

## **XI. References**

- a) For textbooks-A.V. Oppenheim and R.W. Schafer, Digital signal processing, Englewood, N.J., Prentice Hall, 3 Edition, 1975
- b) For papers- Devid, Insulation design to combat pollution problem, Proc of IEEE, PAS, Vol 71, Aug 1981, pp 1901-1907