VISVESVARAYA TECHNOLOGICAL UNIVERSITY
JNANA SANGAMA, BELAGAVI - 590018

An Internship Report
On
"Leaf Now"

Submitted in partial fulfillment for the award of the degree of

BACHELOR OF ENGINEERING
In
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Submitted By
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(4VM18CS009)

Internship Carried Out
At
COMPSOFT TECHNOLOGIES

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2021-22

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BELAGAVI

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

Certified that the Internship work entitled **"FULL STACK WEB DEVELOPMENT"** is a bonafide work carried out by **DHARINI K R (4VM18CS009)** in partial fulfillment for the award of degree of BACHELOR **OF ENGINEERING** IN **COMPUTER SCIENCE AND ENGINEERING** as prescribed by **VISVESVARAYA TECHNOLOGICAL UNVERSITY, BELAGAVI** during the year **2021-22.** It is certified that all suggestions recommended for Internal Evaluation have been incorporated in the report deposited in the department library. The internship report has been approved as it satisfies the academic requirements with respect to the Internship work prescribed for Bachelor of Engineering Degree.

Signature of the Guide	**Signature of the Coordinator**	**Signature of the HOD**
Prof. Latha D U	**Prof. Latha D U**	**Dr. Madhu B K**
Assistant Professor	Assistant Professor	Professor & Head
Dept. of CSE	Dept. of CSE	Dept. of CSE
VVIET, Mysuru	VVIET, Mysuru	VVIET, Mysuru

External Viva

Name of the Examiners   **Signature with Date**

1.

2.

ACKNOWLEDGEMENT

The joy and satisfaction that accompany the successful completion of any task would be incomplete without the mention of the people who made it possible.

First and foremost we offer our sincere phrases of thanks to **Sri. Vasu,** Chairman of VVET, **Mr. Kaveesh Gowda V**, Secretary of VVET and all management members of VVIET, Mysuru for providing help and support to carry out the internship.

We would like to express our gratitude to our beloved Principal, **Dr Manjunatha T S** for providing us a congenial environment for engineering studies and also for having showed us the way to carry out the internship.

We consider it a privilege and honor to express our sincere thanks to **Dr. Madhu B K** Professor and Head, Department of Computer Science and Engineering for his support and invaluable guidance throughout the tenure of this internship.

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We intend to thank all the teaching and non-teaching staffs of our Department of Computer Science and Engineering for their immense help and co-operation.

Finally we would like to express our gratitude to our parents and friends who always stood by us.

Regards
Dharini K R
4VM18CS009

ABSTRACT

This project on Leaf Now is the online plant selling platform. The main purpose of this project is to provide the required type of plant for the customers. This project is one of the examples for the web application which is performed using frontend languages. Here we can Login to the website using our personal credentials. If customer don't have credentials the can register. I can honestly say that I have improved many skills like interpersonal, listening, presentation skills, acting freely around people, typing skills, communication skills. I got different ideas from the different people at the organization and also through interacting with other interns from different colleges and this contributed a lot on the knowledge and experience. Not only did I gain practical skills but I also had the opportunity to meet many fantastic people

CERTIFICATE

Compsoft Technologies

Providing a Complete Suite of IT Solutions

Certificate ID - 1CSTB8FSWD062

Date - 09/11/2021

Certificate of Internship

This is to certify that **Ms Dharini K R (4VM18CS009)** has done her **Full Stack Web Development** Internship in **Compsoft Technologies**, Rajaji Nagar, Bangalore, from 21st September 2021 to 23rd October 2021.

She has worked on a project titled **Leaf Now**.
This project was aimed at creating a cutting edge website for a client of ours, As part of the project, She designed functional web pages, Backend Databases to collect, store, sort data, by understanding the design briefs and client specifications that were provided in the Proposal.

During the internship, She demonstrated good design skills with a self-motivated attitude to learn new things. Her performance exceeded expectations and was able to complete the project successfully on time, We wish her all the best in her future endeavours.

Warm regards,

(Project Manager, CST)

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*Search Engine Optimisation   ***Development**   ***ML & Research**

*Branding and Design   ***Content Writing**   ***Embedded Systems and IOT**

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CHAPTER 1

COMPANY PROFILE

1.1 About the Company

It is Established as a private company. COMPSOFT TECHNOLOGY SOLUTIONS INDIA PRIVATE LIMITED is known as the foremost service provider. It provides high-quality range of Web Technologies, Strategic Outsourcing, Custom Application Offered Web Technologies, Strategic Outsourcing, Custom Application are well-known for the features like long working life, high functionality, and low maintenance. The global telecommunication infrastructure is a highly meshed network which provides real-time communication from any point in the world to any other point.

Fig 1.1 Company logo

The race for digital transformation is on. In this globally connected on-demand world with rapid advancements in internet technologies, businesses worldwide are under constant pressure to add innovative real-time capabilities to their applications to respond to market opportunities Every business worldwide is building event-driven, real-time applications - from financial services, transportation, and energy, to retail, healthcare, and Gaming companies. Our endeavour is to make it easy to develop innovative real-time applications and efficient to operate them in production. We have a proven record of building highly scalable, world-class consulting processes that offer tremendous business advantages to our clients in the form of huge cost-benefits, definitive results and consistent project deliveries across the globe. We prominently strive to improve your business by delivering the full range of

competencies including operational performance, developing and applying business strategies to improve financial reports, defining strategic goals and measure and manage those goals along with measuring and managing them.

1.2 Vision

We are committed to going the extra mile to bring success to the clients consistently We are dedicated to delivering the right people, solutions, and services to the clients that they require to meet their technology challenges and business goals.

CST, core strength lies in our super energetic and gigantic team, forming an excellent blend of IT minds along with a creative bent. Taking ownership of not only one's own task but also creating an enduring & contented customer is what every individual works together with. Our endeavour is to continuously improve and deliver maximum–enriching products & solutions. That's what we mean – doing IT better driving business transformation, digitally – Applying disruptive technologies for business transformations. CST brings great advantage to business space by bridging gaps, simplifying businesses and elevating competitive benefits by providing technology-based business solutions.

1.3 Mission

Optimizing client satisfaction with quality services. Delivering the most efficient and the best solution to our clients to every client leveraging leading technologies & industry best practices.

1.4 Services Offered By the Company

It is believed that service and quality is the key to success, enabling business success driven by technology Harnessing the power of technology, we create a measurable difference for our clients across various industries & multiple geographies.

Development :- They develop responsive, functional and super-fast websites. We keep User Experience in mind while creating websites. A website should load quickly and should be accessible even on a small view-port and slow internet connection

Branding and Design:-The company offer professional Graphic design, Brochure design & Logo design. We are experts in crafting visual content to convey the right message to the customers. We also design custom wraps for your products (also known as package designing)

Search Engine Optimisation ;-We help you manage your SEO campaign more efficiently and effectively. We help you gain market share by leveraging our expertise. our holistic approach to identify anything that may be hurting your traffic or rankings and show you just how to outrank the competition.

Content Writing:-They provide content writing services for blogs and product descriptions; our team helps you generate content to Increase your Brand Recall. We can amplify your marketing needs & help you reach your potential customers.

Research :- Company equip business leaders with indispensable insights, advice and tools to achieve their goals, our main area of research is in sentimental analysis, having published multiple papers on the same, we are in the process of creating a virtual bot that is intended to use our sentimental analysis data to provide real time replies.

Embedded Systems and IOT:-CST works with Consumer Electronics, Lighting, Home Automation, Metering, Sensor-Technology, Home Appliance and Medical Device companies to help them create smart and connected products. Through its integrated Embedded and IoT services, Technosoft helps build intelligent & connected devices that can be remotely monitored and controlled while leveraging edge and cloud computing for a host of intelligent applications and analytics.

1.5 Working Environment In Organization

Beyond the experience and the skills gain, your journey with us will be as enjoyable as possible. Here are a few things that we look for .We need you to be able to analyse evidence, question assumptions, test hypotheses, observe and draw conclusions from any form of data. Critical thinking is not just a skill, but a habit formed to help with problem-solving. Good communication skills are essential to to understand our clients' requirements more accurately and quickly. In contrast, poor communication skills lead to frequent misunderstanding and

frustration.We believe people who practice a strong work ethic are less likely to procrastinate the task at hand are the first to step up and take on a new task and at CST we value your work along with your ethics .We think Experience is the key to success and would help CST provide the best service to our clients and hence living up to our standards.

CHAPTER 2

INTRODUCTION

Unsurprisingly search for buy plant online surged in the middle of March 2020,just as retail business and greenhouses everywhere were shutting their doors against COVID first wave. Unspent going out funds collided with our collective need for at home joy .More online plant store sprung up from garages and garden sheds to answer the demand a demand that doesn't show sings of sowing. Your thumb could be worth more than you think. If you've ever thought of selling plants online is the time Brust. Leaf Now is the web platform which is designed to help the people to buy the small plants for décor or planting purpose. In this we do the step by step process to create a online plant selling platform

The main aim of the leaf now to create a better platform for the better interaction between the client and the management ..By this the management can provide the good service regarding their requirements. Here we are using different frontend language to create a plant selling web portal.

2.1 OBJECTIVES

The main objective of this project is to provide a platform to buy the plant of their like in the minimum cost from anywhere. .It also maintain the good communication between the client and plant seller.

CHAPTER 3

SYSTEM REQUIREMENTS AND SYSTEM ANALYSIS

3.1 REQUIREMENT COLLECTION

Front End Development requirements are a list of necessary functions, capabilities or characteristics related to WordPress theme and plans for creating it. The process that was held while collecting the requirements of the system are as follows:

• Team Discussion: Team discussion is the process of discussing how the project should be implemented by the professionals

• Understanding the focused group: Theme should have the aim of what the audience want to see in the theme.

3.2 SYSTEM REQUIREMENTS

3.2.1 Functional Requirements

Functional requirement of the system describes what the system does. The main functional requirements of this system are as follows:

• **3rd Party Integration:**

It is important to know which 3rd party integrations you will require on your newly developed e-commerce site. This functional requirement focuses on streamlining business operations such as ERP, CRM, PIM, and flexible payment gateways for the customers on your website. Determining the right 3rd party integrations for your website will make it structured and ready for business scaling in the future.

• **Mobile Responsive:**

In today's era, the greatest number of users for the website are coming through mobile devices especially smartphones. The numbers are only going to increase in the future. Thus, investing in the development of a mobile-responsive website can earn you more than a few bucks. You will also get increased customer loyalty from the customer's base. You can use

an analytic tool to study your audience and inquire about their devices. Know the position of essential buttons and options on the web pages. Change them accordingly for a better shopping experience (tip: place the checkout button within the reach of your customer's thumb, as most people surf the website using a single hand on the mobile device).

- **Social Sharing:**

Presence on social media platforms is highly important for your e-commerce business. Letting a user share the content of your website on a social media platform will increase the awareness of your brand and brings you closer to your present and potential customers. Know about your target audience, and what social networks they mostly, use. Allow your customers to share products, blog posts, and inspirational pictures by adding a corresponding button to their website.

3.2.2 Non-Functional Requirements

A non-functional requirement describes how the system performs a certain function. Non-functional requirements generally specify the system's quality attributes or characteristics. Puran books follows properties such as reliability, usability, storage occupancy, performance, and response time.

- **Usability:**

Regardless of the size of your business, the website of your business should be easy to use for even a non-technical user. Do you know that a general user takes just 0.05 seconds to figure out whether the website is worth its time or not? Thus you have to give special attention to the design of your homepage, CTAs, and easy checkout to get past those milliseconds of doom. The usability of a website is also defined by:

- How easily a user can achieve their target in a single page visit

- How quickly they can perform tasks in the store

- The memorable & intuitiveness of the design

- Number and types of errors users make

- **Security:**

Security comes with utmost importance if your site is dealing with monetary transactions, users' financial and sensitive data. Using an SSL certificate and data privacy policy will create trust among the users for your website and convert the customers into brand advocates. It is also considered for the different admin roles by which you can control who can create, see, copy, change or delete information. Depending upon the location of your business, security also refers to compliance with customer data protection rules such as GDPR in Europe.

- **Performance:**

For increasing the traffic on your website, you have to give special attention to the performance in the non-functional requirements documentation. The focus should be on loading the e-commerce store as fast as possible regardless of the number of integrations and traffic on your website. You can set up the speed benchmark, maximum SKUs which you want to add, or any other performance indicator best for your business. Don't consider the 3rd party system delivery time, because the developers will not have control over the 3rd party API calls.

- **Maintainability**:

The operational costs for maintenance are the tricky part of planning a business budget. Thriving the website maintenance from the initial development means cutting the time & cost to determine and resolve the faults of the system in the future. Well, it sounds sad but there is no way to avoid issues in the future and you have to look for a website development company that can maintain your website.

- **Scalability:**

Last but not the least, you have to look for a future-proof solution considering the scalability. It will define how the website can grow and increase its features and functionality without impacting the performance of your website. You must be able to add more memory, servers, or disc space for making more transactions on your website. On the server side, while entering new markets you may need to add localization features. Overall, this NFR accounts for painless business expansion and has both hardware and software implications.

3.3 SYSTEM REQUIREMENT SPECIFICATION

Should describe functional and non-functional requirements so that they are understandable by system users who don't have detailed technical knowledge. User requirements are defined using natural language, tables and diagrams.

3.3.1 Software Requirements

- Scripting Languages: HTML
- Styling Language: CSS, JavaScript
- Server: Xampp.
- IDE: Sublime text

3.3.2 Hardware Requirements

• Processor: Intel core i3 or i5.

• Hard Disk: 250 GB

• RAM: 4 GB

3.4 FEASIBILITY ANALYSIS

A feasibility study is an analysis of how successfully a project can be completed, accounting for factors that affect it such as economic, technological, legal, and scheduling factors. Project manager use feasibility studies to determine potential positive and negative outcomes of a project investing a considerable amount of time and money into it. Feasibility studies allow companies to determine and organize all of the necessary details to make business work. A feasibility study helps to identify logistical problems, and nearly all business-related problems, along with the solutions to alleviate them. Feasibility studies can also lead to the development of marketing strategies that convince investors or a bank that investing in the business is a wise choice.

Economic Feasibility

Economically, the theme is bound to do well. There is little cost associated for using the system. Hence, the system is economically feasible. If owner needs any supports on this theme, then they will be available upon Email Request.

Operational Feasibility

Operational feasibility asks if the system will work when developed and installed. The system is user friendly so the user can use this system more enthusiastically. The following points were taken into account for operational feasibility of the system:

• The system causes no harm.

• The theme is affordable and has low operational cost.

Technical Feasibility

The website must be evaluated from the technical aspect first. The valuation of this feasibility must be based on an outline design of the website requirement having identified an outline system, the investigation must go on to suggest the type of equipment, required method developing the system, of running the system once it has been designed. Technical issues raised during the investigation are:

• Does the necessary technology exist to do what is suggested/assigned?

• Can the system be upgraded if developed?

The theme was designed and developed such that the necessary functions and performances can be achieved using customization. Therefore, the project is feasible and may still be used even with the newer version of same software supporting older versions.

Schedule Feasibility Schedule feasibility is a measure of how reasonable the project timetable is. So, feasible schedule had been managed through proper time schedule.

SL NO	TASK NAME	DURATION (days)
1	Study and Analysis	5
2	Theme Design	4
3	Image Manipulation	3
4	Customise section	7
5	Testing	5
6	Documentation	8

Table 3.4.4: Schedule Feasibility Table

CHAPTER 4

TASK PERFORMED

4.1 FULL STACK WEB DEVELOPMENT

It refers to the development of both front end (client side) and back end (server side) portions of web application. Full stack web developers have the ability to design complete web applications and websites. They work on the frontend, backend, database and debugging of web applications or websites. Technology related to full stack development:

• **Front end**: It is the visible part of website or web application which is responsible for user experience. The user directly interacts with the front-end portion of the web application or website

4.2 FRONT END WEB DEVELOPMENT

The task assigned to me was to work on front end technologies specially to design a good home page for the website "Ideonix Airlines". It is the visible part of website or web application which is responsible for user experience. The user directly interacts with the front-end portion of the web application or website. Front End Languages The front end portion is built by using some languages which are discussed below:

• **HTML:** HTML stands for Hyper Text Markup Language. It is used to design the front end portion of web pages using markup language. HTML is the combination of Hypertext and Markup language. Hypertext defines the link between the web pages. The markup language is used to define the text documentation within tag which defines the structure of web pages.

• **CSS:** 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.

SL NO	TAG TYPE	EXAMPLE
1	Meta tags	DOCTYPE, title, link, meta and style
2	Text tags	<p>, <h1>, <h2>, <h3>, <h4>, <h5>, <h6>,
3	Link tags	<a> and <base>
4	Image and Object tags	<img>, <area>, <map>, <param> and <object>
5	List tags	, , , <dl>, <dt> and <dd>
6	Table tags	table, tr, td, th, tbody, thead, tfoot, col, colgroup and caption

Table 4.2 HTML tags

• **JavaScript:** JavaScript is a famous scripting language used to create the magic on the sites to make the site interactive for the user. It is used to enhancing the functionality of a website to running cool games and web-based software.

Front End Framework and Libraries

• AngularJs: AngularJs is a JavaScript open-source front-end framework that is mainly used to develop single page web applications (SPAs). It is a continuously growing and expanding framework which provides better ways for developing web applications. It changes the static HTML to dynamic HTML. It is an open-source project which can be freely used and changed by anyone. It extends HTML attributes with Directives, and data is bound with HTML

. • React.js: React is a declarative, efficient, and flexible JavaScript library for building user interfaces. ReactJS is an open-source, component-based front-end library responsible only for the view layer of the application. It is maintained by Facebook.

• Bootstrap: Bootstrap is a free and open-source tool collection for creating responsive websites and web applications. It is the most popular HTML, CSS, and JavaScript framework for developing responsive, mobile-first web sites.

• jQuery: jQuery is an open-source JavaScript library that simplifies the interactions between an HTML/CSS document, or more precisely the Document Object Model (DOM), and JavaScript. Elaborating the terms, jQuery simplifies HTML document traversing and manipulation, browser event handling, DOM animations, Ajax interactions, and cross browser JavaScript development

. • SASS: It is the most reliable, mature and robust CSS extension language. It is used to extend the functionality of an existing CSS of a site including everything from variables, inheritance, and nesting with ease

4.3 Block Diagram

Fig 4.3 Block Diagram

CHAPTER 5

REFLECTION NOTES

My internship experience was truly rewarding. Because in this one-month duration I have gained greater knowledge from the company and related skills that helps in future carrier as a full-time employee. The past months of my internship have been very instructive for me. Compsoft Technology has offered me opportunities to learn and develop myself in many areas. I gained a lot of experience, especially in the Web Development field. A lot of tasks and Activities that I have worked on during my internship are familiar with what I'm studying at the moment. I worked in many areas where I did different work. This gave me the chance to find out which areas I want work in after my education.

MOST VALUABLE ASPECTS

• Really understanding what it means to work full time and an understanding of the real projects by an organization.

• I really understood after this experience that I have to get job in this organization. This internship also introduced me to the real world with a real time experience.

5.1 OUTCOMES OF THE INTERNSHIP PRACTICAL SKILL:

The Internship has provided the opportunity to connect classroom theory with current industry challenges and provide exposure to the latest technologies. Opportunities to converse and interact with a large pool of talented experienced department members has provided a deeper insight to the overall operation, and valuable pool of resources to assist in completion of internship program. This internship program was exactly what I needed to nurture my practical skills. I have acquired practical experience to complement the theoretical content of my studies.

5.2 COMMUNICATION SKILL:

During period of internship the Interpersonal skills, which are the life skills I use every day to communicate and interact with other people, individually and in groups are good for me. Not only how I communicate with others, but also I got confidence and my ability to listen and understand. Problem solving, decision making and personal stress management are also

considered interpersonal skills. Through this internship, I found that I matured and I gained many new perspectives, such as problem solving skill, diversity, effective communication, teamwork and service recovery, attention to detail, time, personal empowerment, self-confidence, responsibility and cultural sensitivity. .My team lead was so kind to answer with patience and teach me much that made this internship so enjoyable. Though, there is so much to learn, I think this challenge was what should include in my career. This has also helped much on my future planning.

WORK ETHICS :An internship is an opportunity to learn the skills and behaviors along with the work values that are required for success in the workplace. Workplace ethics are established codes of conduct that respect the values of the organization or company where I am working. I have seen the willingness to work hard from my team lead during my internship period. In addition to working hard it is also important to work smart. This means I acquired the most efficient way to complete tasks and ending ways to save time while completing daily assignments.

WRITING SKILL :The Internship program contributed towards enhancing our writing skills while asking all the interns to prepare a report for the given topic which was taught in Sessions by collecting extra information about the given topic and we need to prepare presentation on that topic. I would like to highlight the advantageous part of this activity.

5.3 TIME MANAGEMENT :If I have managed to successfully take a full course load every semester and meet assignment deadlines, to some extent, I have already demonstrated time management skills. But as an intern, I am not going to have a syllabus to tell you when my deadlines are. It is up to me to organize my time and produce results. Employers want to know that I can prioritize responsibilities and recognize when it is appropriate to multitask or focus on one particular project at a time.

5.4 CHALLENGES I HAVE FACED:

• The first day reactions

• Understanding the office culture.

• The internship was much different from college academics and it take little time to adjust to the environment and schedule.

- During training they made us to practice some of the programs.

- Afraid to ask questions

- Daily task.

- Too much work.

- Seminar presentations.

- Improving problem solving and critical thinking skills.

- Competition with other interns.

- Identifying, understanding, and working with the professional standards.

- How to ask for a leave.

- Write professional Emails in English

5.6 WORK EXPERIENCE:

- The working environment at Compsoft Technology is good

- Improved my googling skill by learning things through google which were required for the work.

- Documents very easily without any difficulties which were related to work.

- Team leads very informative and helpful

- Learned how to do basic coding to develop an application.

- Improved communication skills.

- Improved presentation skills.

- Internship was great opportunity to know the company environment.

- Learned how to co-ordinate with other interns.

CHAPTER 6

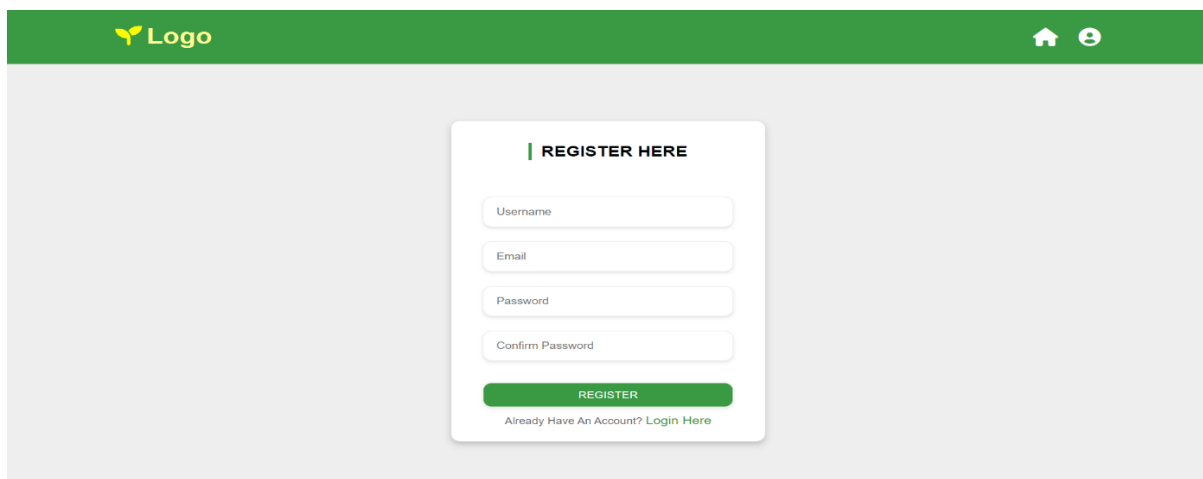# RESULTS & CONCLUSION
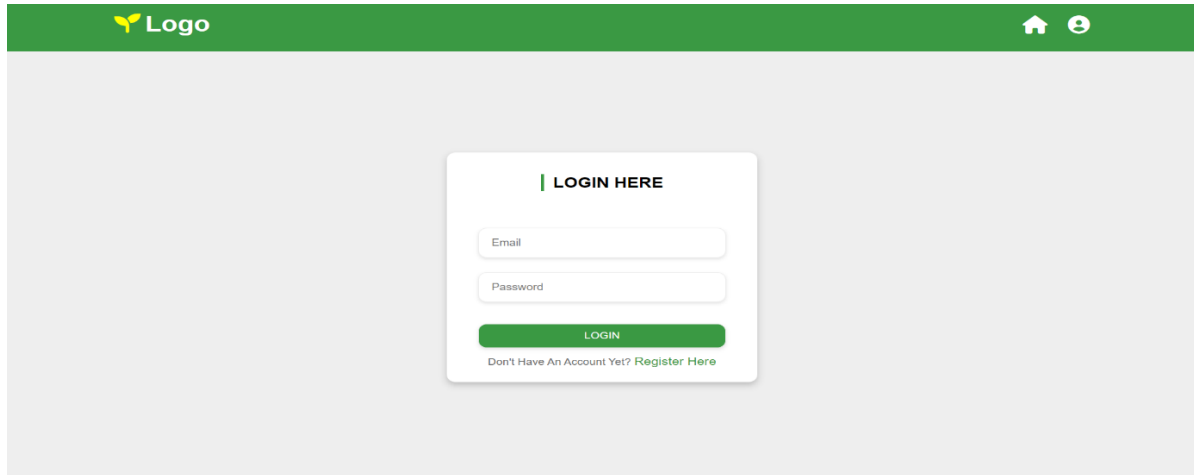
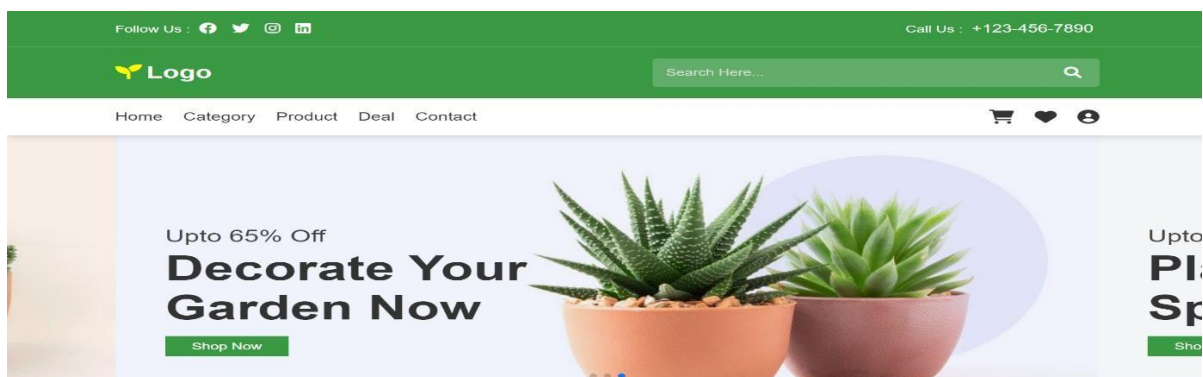**Fig 5.1 Login Page**

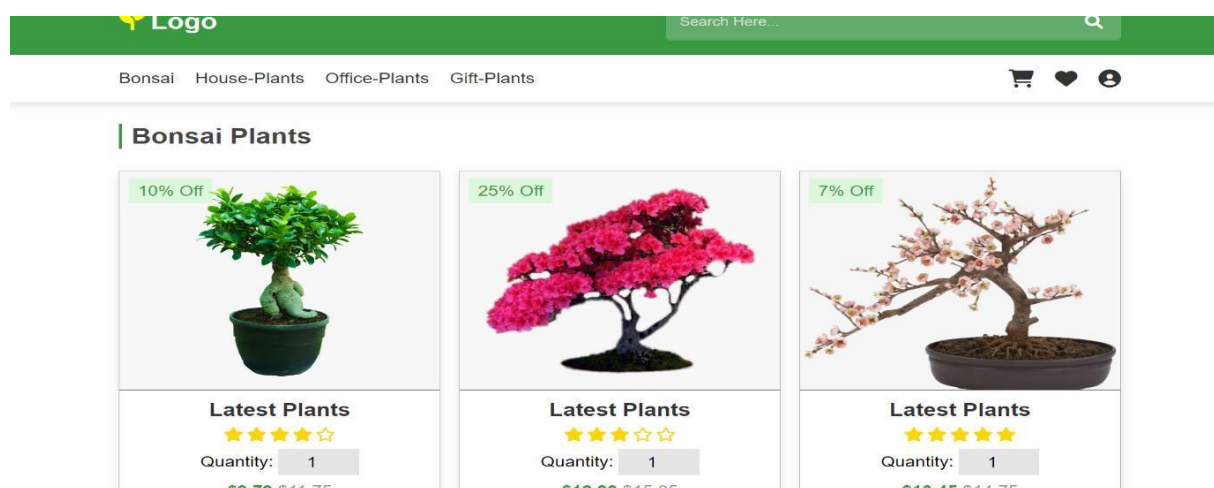**Fig 5.2 Register**

Fig 5.3 Index page

Fig 5.4 wishlist

Fig 5.5 Bonsai plants
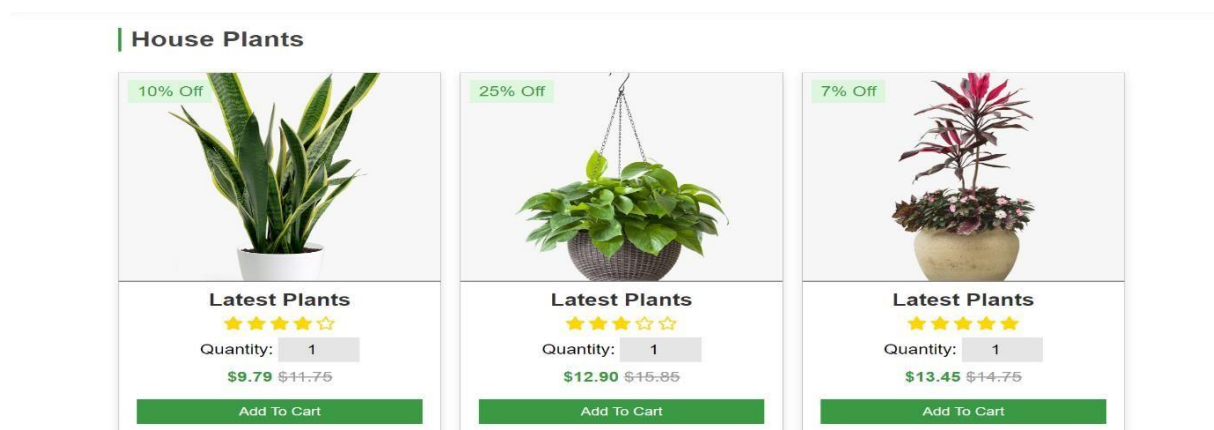
Fig 5.6 House Plants
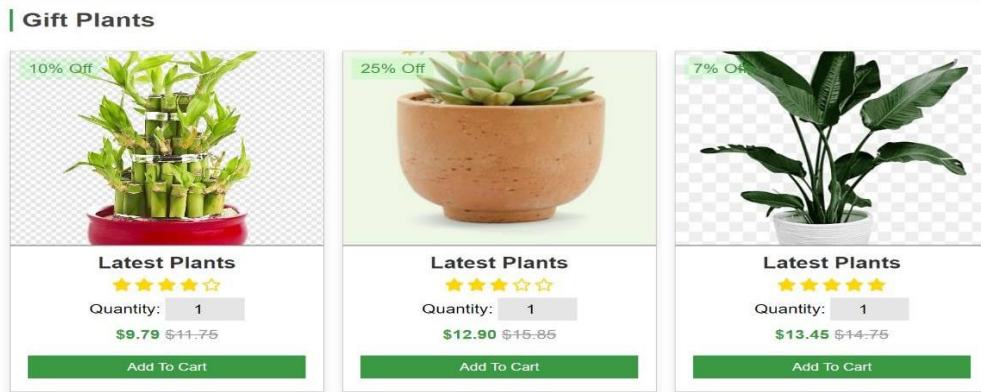
Fig 5.7 Gift Plants
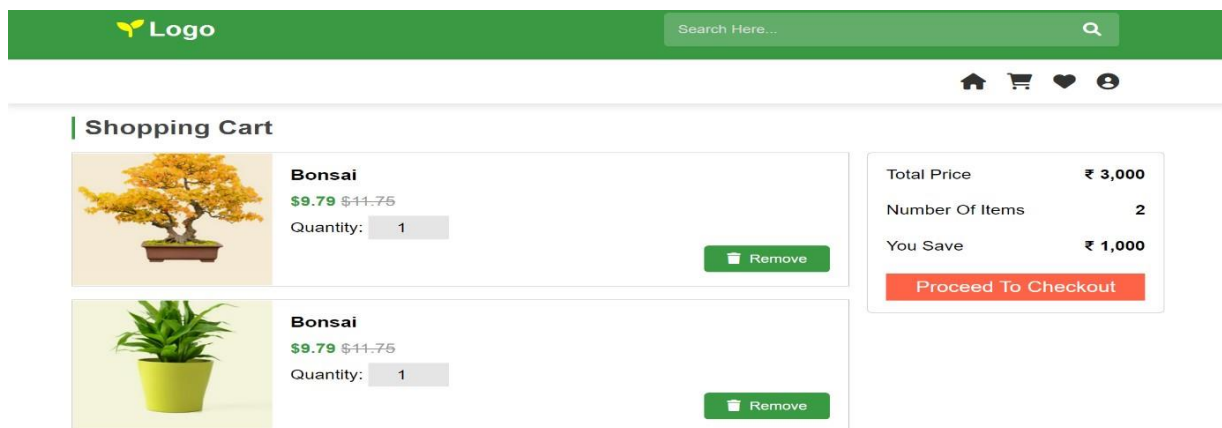

Fig 5.8 Shopping cart

Fig 5.9 Contact Page

CONCLUSION

I can honestly say that as an intern I improved the skills like interpersonal, listening, presentation skills, acting freely around people, typing skills, communication skills. I got different ideas from the different people at the organization and also through interacting with other interns from different colleges and this contributed a lot on the knowledge and experience. Not only did I gain practical skills but I also had the opportunity to meet many fantastic people.

The atmosphere at the Compsoft office was always welcoming which made me feel right at home. I am grateful and thankful to my company overall my internships has been a success. I am really happy about the experience I had at the industry as a graduate and I would recommend and request my college to adopt a compulsory industry-oriented training programs for all my juniors as well, so as to understand the current Technology and Real Time applications and be competent in the cooperate world.

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