VISVESVARAYA TECHNOLOGICAL UNIVERSITY

"JNANA SANGAMA", BELAGAVI-590018, KARNATAKA

INTERNSHIP / PROFESSIONAL PRACTICE (17IS84) REPORT
on

"Telephonic Directory Using PHP"

Submitted in the partial fulfillment of the requirement for the award of degree of

BACHELOR OF ENGINEERING
in
COMPUTER SCIENCE & ENGINEERING

Submitted By

Deepak Jaiswal   1VA18CS010

Internship / Professional Practice carried out
at
Softora, Kodigehalli Main Road, Bangalore

Internal Guide	**External Guide**
Mrs. Ashwini S S	**Mr. Kishore V**
Assistant Professor	**Co-founder**
Dept of CSE, SVIT	**Softora**

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

SAI VIDYA INSTITUTE OF TECHNOLOGY

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Accredited by NBA, New Delhi (CSE, CSE, ECE, MECH, CIVIL)

RAJANUKUNTE, BENGALURU – 560 064

2021-22

SAI VIDYA INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

CERTIFICATE

Certified that the Internship / Professional Practice work (18CSI85) entitled *"TELEPHONIC DIRECTORY USING PHP"* is carried out at "**Softora, Bangalore**" by **Mr. Deepak Jaiswal (1VA18CS010),** a bonafide student of **SAI VIDYA INSTITUTE OF TECHNOLOGY**, Bengaluru, in partial fulfillment for the award of Bachelor of Engineering in **Computer Science & Engineering** of **VISVESVARAYA TECHNOLOGICAL UNIVERSITY**, Belagavi during the year **2021-22.** It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report deposited in the departmental library. The Internship / Professional Practice report has been approved as it satisfies the academic requirements in respect of Internship / Professional Practice work prescribed for the said degree.

Mrs. Ashwini S S

Assistant Professor,

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Dr. Shantakumar Patil B

Professor & Head

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Dr. H S Ramesh Babu

Principal, SVIT

Internship / Professional Practice Marks Allotment

Report (25)	Seminar (25)	Total (50)	Signature of Guide

Examiners Name: **Signature with Date**

1. _____   _____

2. _____   _____

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Deepak Jaiswal   1VA18CS010

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SOFTORA

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— CERTIFICATE OF ACHIEVEMENT —

THIS IS TO CERTIFY THAT

Deepak Jaiswal

**Has successfully completed internship in 'Web Development'
in the month of November 2021**

During the internship we found the intern was dedicated and hardworking

CEO, SOFTORA

ABSTRACT

Telephonic Directory Management System is a Web based project and have developed this project using PHP, MySql, HTML, CSS and Bootstrap. we can manage City Name, Address, New Phone Number, List of Contact, Contact Details and Email Id from this project. The main objective to develop Web project on Telephone Directory Management System is to provide responsive web app on Telephone Directory Management System to Small Company, from where user can use it from his personal device.

In this project, there are various type of modules available to manage City Name, Address, Contact Details. We can also generate reports for Address, City Name, List of Contact, Email Id. Here the City Name module manage all the operations of City Name, Address module can manage Address, New Phone Number module is normally developed for managing New Phone Number, List of Contact module manages List of Contact operations, Contact Details module has been implemented to manage Contact Details.

Also, this web project on Telephonic Directory Management System, we can develop it in PHP and MySQL. We have implemented advance search feature for searching records on various criteria for Address, City Name, Contact Details also admin can perform Create, read, update and delete (CRUD) operations on New Phone Number, List of Contact, Email Id.

In this project all the modules like City Name, Phone Number, Address are tightly coupled and we can track the information easily. This can be useful for a small company to serve as the employees/staffs contact directory. This Web application has a pleasant user interface and is easy to use. By using this application, we can manage employees/staffs id, name, address and contact details. The main objective to develop telephonic directory using php and MySQL is to overcome the manual error and to make computerized system.

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CHAPTER 1

ABOUT THE COMPANY

Softora Technologies Private Limited is a Private incorporated on 08 September 2020. It is classified as Non-govt company and is registered at Registrar of Companies, Bangalore. Its authorized share capital is Rs. 100,000 and its paid up capital is Rs. 10,000. It is inolved in Other computer related activities [for example maintenance of websites of other firms/ creation of multimedia presentations for other firms etc.]

Softora Technologies Private Limited's Annual General Meeting (AGM) was last held on N/A and as per records from Ministry of Corporate Affairs (MCA), its balance sheet was last filed on N/A.

Directors of Softora Technologies Private Limited are Suraj Tiwari, Kishore Venkataramana and Vivek Krishnan.

Softora Technologies Private Limited's Corporate Identification Number is (CIN) U72900KA2020PTC138304 and its registration number is 138304.Its Email address is Tiwari7suraj@gmail.com and its registered address is 17/2, Balaji L/o Kodigehalli, Byatarayanapura, Bengaluru Bangalore KA 560092 IN ,

Services by softora:

- **Compatibility**
    - ♦ We provide websites that are compatible on any device be it phone, tablet or your pc. Making sure you can access it anytime, anywhere.

- **Global Reachability**

  ♦ No matter which corner of the world you are in, we're here for you. Across the 7 oceans, East or west, we sure will give you our best.

- **User Friendly**

  ♦ We provide websites that are compatible on any device be it phone, tablet or your pc. Making sure you can access it anytime, anywhere.

- **Help & Supports**

  ♦ Finding innovative ways to customcse your website and catering to your needs, we will make sure we're as compatible as possible to give you a fun and an efficient experience.

Compatibility	Global Reachability	User Friendly	Help & Supports
We provide websites that are compatible on any device be it phone, tablet or your pc. Making sure you can access it anytime, anywhere.	No matter which corner of the world you are in, we're here for you. Across the 7 oceans, East or west, we sure will give you our best.	We provide websites that are compatible on any device be it phone, tablet or your pc. Making sure you can access it anytime, anywhere.	Finding innovative ways to customise your website and catering to your needs, we will make sure we're as compatible as possible to give you a fun and an efficient experience.

CHAPTER 2

ABOUT THE DEPARTMENT

Technical Department

System Software:

Softora Private Limited aim is always to provide total solutions to our clients. herefore, along with embedded solutions we also develop system software for user and instrument interface to a PC on multiple platforms and interface technologies. They develop custom application software such as: 1. Device Driver Development 2. Web enabling any product 3. Data base management 4. Interface to wireless modems etc. Embedded Technology Labs is also proficient in development of device drivers for interfacing custom hardware to computers with various operating systems. We can assist our clients in custom protocol stack development as well. They venture into the deeply embedded space and locate the fault so that you don't have to. If you only want to work in the upper levels of application space, we'll give you the API's and the measurable milestones in their development that'll keep your overall project on track. We're fast and efficient in our coding, and we want to give you the metrics you need to track the progress of your embedded development.

Product Engineering Services

Products define the identity of technology companies, and the present business environment seeks innovative ways to turn ideas into real products - quickly. Having built expert teams in board design, FPGA design, embedded software, application software, Embedded Technology Labs is uniquely placed to offer services in products / total solutions development - from requirements capture to architecture, design, prototyping, design validation and support during deployment. Design experience and domain knowledge garnered over many years help our product design teams deliver quality, cost effective solutions in the shortest time frame. The design service is backed with excellent support during deployment and product sustenance through enhancements and feature additions. All regulatory requirements are factored into the development during the system design phase.

Product Re-engineering Services

Morphing products don't kill other. Softora Private Limited breathes life into your products with expertcse in next generation technology. We address all end-of-life issues and obsolete component designs without changing the fit and firm of your products. Often customers have a good product, a legacy system that is no longer cost-effective and cannot be manufactured anymore due to obsolete components. Therefore, it is critical to have a replacement with minimal or no impact on the rest of the solution. We re-analyse and redesign a system, with a fresh design approach. Hardware design team has the expertcse and competence required for re-engineering the entire product, using an identical technology but incorporating the latest components. This process is usually done for either obsolescence or cost reduction. It is also used to reproduce a cost-effective alternative to ensure a competitive edge to end customers.

Consulting

As a full-service organization, Softora Private Limited can offer you a complete product development solution, or simply provide consulting services for your project. Whether you're in need of engineering proficiency in a particular discipline or multiple disciplines, we want to provide your organization with the expertcse you need to get the job done right the first time. Allow us to be your extended arm and we will provide the necessary skills to complete your project. Consulting Service Options: Basic - includes design reviews, architecture evaluations, process consulting, or reliability analysis. Extensive - includes architecture development, product testing, user trials, or cost reduction.

CHAPTER 3

SYSTEM REQUIREMENT SPECIFICATION

HARDWARE REQUIREMENTS

- System: Pentium IV 2.4 GHz.
- Hard Disk: 500 GB.
- Ram: 4 GB.
- Any desktop / Laptop system with above configuration or higher level.

SOFTWARE REQUIREMENTS

- Operating system: Windows 10
- Scripting Languages: HTML, JavaScript
- Styling Language: CSS, Bootstrap
- Server-side Language: PHP
- IDE: Visual studio
- Web host: Xampp

FUNCTIONAL REQUIREMENTS

- To Read the Data, and proper display and computation.
- Reliable data visibility to user.
- Accurate Result to be displayed.
- Easy to use and better user experience.

NON-FUNCTIONAL REQUIREMENTS

- Reliability
- Performance
- Portability
- Scalability
- Flexibility

CHAPTER 4

SYSTEM DESIGN

THEME DESIGN LAYOUT
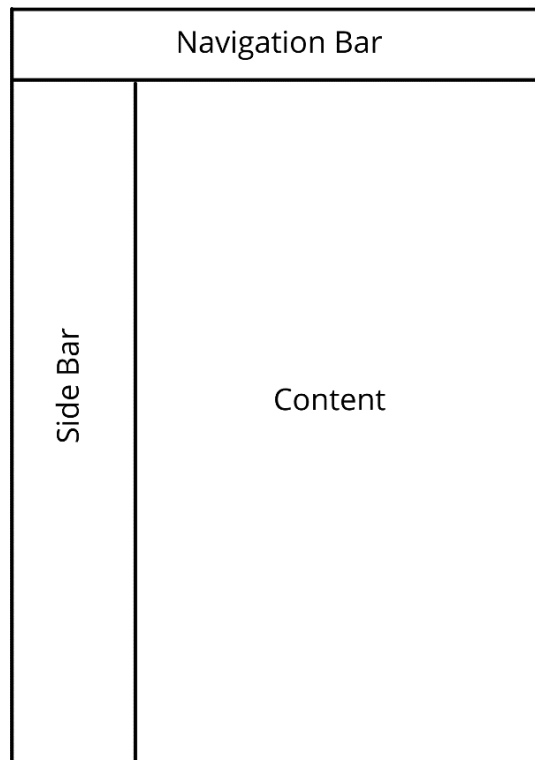
Figure 4.1.1: Layout of Theme Design

NAVIGATION BAR

Navigation bar is the place where users can go through all the items that are selected from website back-end. Actually, it is a page type of the site.We can create menus.This will bring to the edit menus screen which is divided into two columns. The column on our left has our pages, categories, and custom links tab. The column on the right is where we can add and adjust menu items.

SIDE BAR

Sidebar is the section where admin can make necessary changes related to website. It is not always a vertical column on the side. It can be a horizontal rectangle below or above the content area, footer, header, or anywhere in the file. In Sidebar different functionalities are:

- Manage Staff: The admin can add a new staff, edit the existing staff detail, delete staff and Publish/Unpublish.
- Perform crud: The admin can add a new user, edit the user, search record and remove an existing user.

CONTENT

It's the body of the web-page which contains data related to the website. It consists of various admin operations.

FLOWCHART
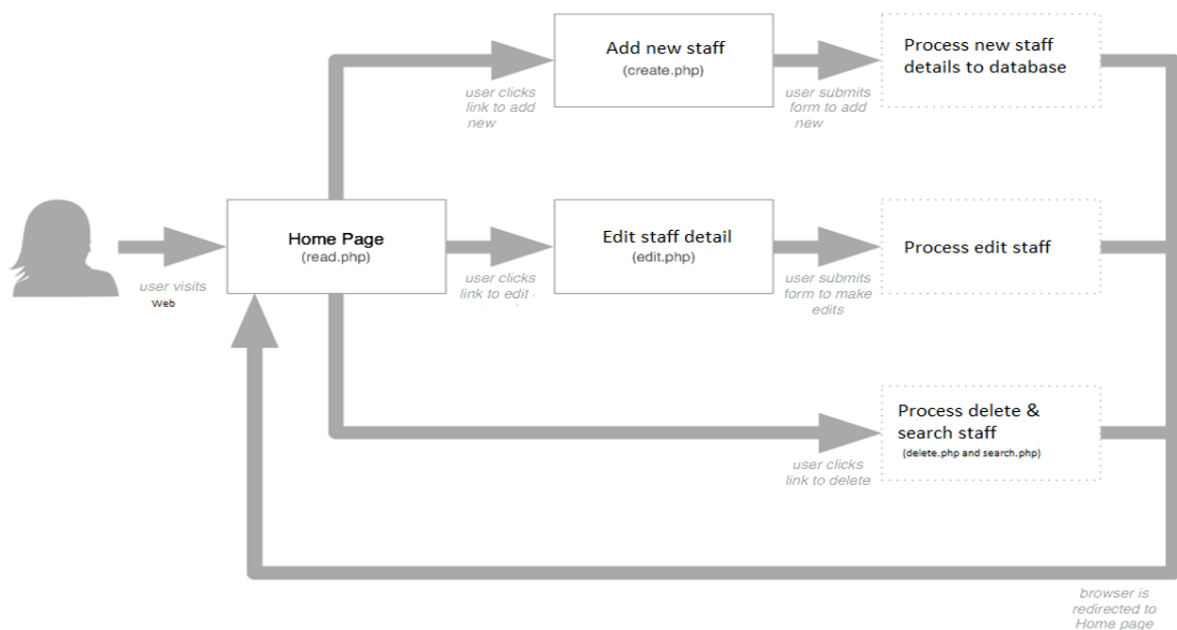
Figure 4.1.2: Flowchart

CHAPTER 5

IMPLEMENTATION

IMPLEMENTATION TOOLS

Implementation is an activity that is contained throughout the development phase. It is the process of bringing designed system into operational use. The system is tested first and then turned into working system. Every task identified in the design specification is carried out in this phase.

FRONT END TOOLS

HTML

HTML known as Hyper Text Mark-up Language; the authoring language used to create documents on the World Wide Web. HTML defines the structure and layout of a Web document by using a variety of tags and attributes. Theme or plugin does exactly what you need it to do, and looks almost exactly how you need it to look. But still, you wish it would look slightly different. For this reason, HTML was used. HTML tags were used in posts, pages, sidebar text widgets to code a hyperlink by hand, or adjust the header sizes.

CSS

CSS stands for Cascading Style Sheets. It describes how HTML elements are to be displayed on screen or in other media. In this project, additional CSS was used when further c ustomization on the site was required. Sometimes, the theme does not work as per the requirement of the user so to meet the requirement of the user additional CSS was used. To add in the icons, to scale the logo properly, change the font size of the specified content, to add a specific callout box, or style just a section of a post differently CSS was used. The theme option does provide certain features but to add the features according to the client's requirement additional CSS was applied.

JQUERY

jQuery is a JavaScript library designed to simplify HTML DOM tree traversal and manipulation ,as well as event handling, CSS animation, and Ajax. It is free, open-source.
software using the permissive MIT License. Query is a lightweight, "write less, do more", JavaScript library. The purpose of jQuery is to make it much easier to use JavaScript on your website. jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish, and wraps them into methods that you can call with a single line of code. jQuery also simplifies a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.

BACK END TOOLS

MYSQL SCHEMA

XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl programming languages. Since most actual web server deployments use the same components as XAMPP, it makes transitioning from a local test server to a live server possible.

XAMPP's ease of deployment means a WAMP or LAMP stack can be installed quickly and simply on an operating system by a developer, with the advantage that common add-in applications such as WordPress and Joomla! can also be installed with similar ease using Bitnami.

#	Field	Schema	Table	Type
1	id	php_crud_db	telephonic_directory	INT
2	name	php_crud_db	telephonic_directory	VARCHAR
3	address	php_crud_db	telephonic_directory	VARCHAR
4	numbers	php_crud_db	telephonic_directory	INT

Field Types

nic directory 1 ⌄

Figure 5.1: Backend Database Schema

PHP

PHP is an amazing and popular language. It is powerful enough to be at the core of the biggest blogging system on the web. PHP is an acronym for "PHP: Hypertext Pre-processor". PHP is a widely-used, open-source scripting language. PHP scripts are executed on the server. PHP is free to download and use.PHP files can contain text, HTML, CSS, JavaScript, and PHP code. PHP code are executed on the server, and the result is returned to the browser as plain HTML. PHP files have extension ". php".

CHAPTER 6

CONCLUSION
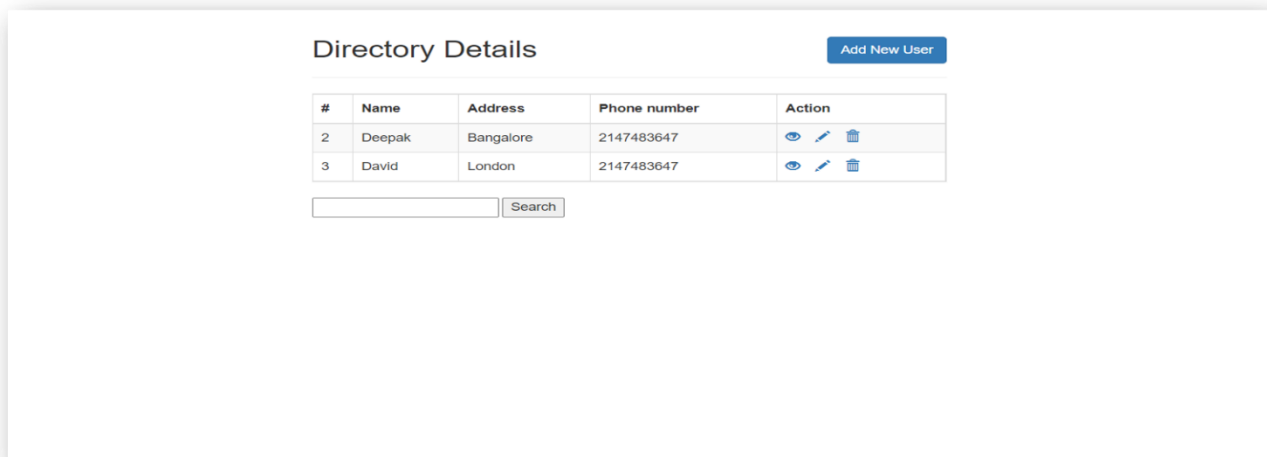
Learnt various types of technologies required for theme, product and layout design. My main focus had been on front-end designing and also back-end development which leads to a Full Stack Web Development. With the help of this internship, I have gained significant amount of knowledge I hope it will be helpful for my future carrier.

Making this project was sometime difficult but solving those difficulties gave very valuable knowledge. The team of Tequed Labs had always helped me to sharpen my knowledge and to acquire new skills.

Throughout my time of internship, I have acquired lots of new experiences. I got chances to use different development tools, research on them and use them. Overall, in this period of internship all my theoretical knowledge gained from college had gained a practical experience.

SNAPSHOTS

We Worked on various basic to advanced technologies of web like HTML, CSS to PHP, Bootstrap etc. and we were able to able build strong fundamentals by working on basic projects. We focused on the structure before building the actual operational site. We learnt different design techniques for making the website interactive. We learnt to display the same website on many devices.

Figure 6.1.1: Admin Dashboard

Figure 6.1.2: Add Staff

Update Record

Please edit the input values and submit to update the record.

Name

Deepak

Address

Bangalore

Phone number

2147483647

Submit   Cancel

Figure 6.1.3: Update Staff

Delete Record

Are you sure you want to delete this record?

Yes   No

Figure 6.1.4: Delete Staff

View Record

Name

Deepak

Address

Bangalore

Phone number

2147483647

Back

Figure 6.1.5: View Staff

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