Field Training Report

Submitted to

SHARAD INSTITUTE OF TECHNOLOGY, COLLEGE OF ENGINEERING, YADRAV.

An Autonomous Institute & Affiliated to
DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

In partial fulfillment of the requirements for the award of
Bachelor's degree in
Computer Science & Engineering

By

Makarand Milind Hinge

Under the guidance of

Mrs. P.B.Shinde
(Assistant Professor)

Computer Science & Engineering

SHARAD INSTITUTE OF TECHNOLOGY, COLLEGE OF ENGINEERING, YADRAV. 2022-2023

ACKNOWLEDGEMENT

I am very much thankful to **Comtranse Technology Pvt.Ltd Kolhapur** for giving the opportunity for Training program. I would also like to thank our Guide **Mrs. P.B.Shinde** and H.O.D **Dr. Pushpender Sarao** for suggesting and providing necessary help and guiding and giving precious time. I would like to thank our principal **Dr. S. A. Khot** for giving opportunity to present this report. I thank to them for their valuable and immense knowledge and timely help.

Place : Yadrav-Ichalkaranji
Date :-

Makarand Milind Hinge

CERTIFICATE

This is to certify that **Makarand Milind Hinge** has submitted her field training work done in **Comtranse Technology Pvt.Ltd Kolhapur**, in partial fulfillment of the Bachelor Degree in **Computer Science Engineering** Sharad Institute Of Technology College Of Engineering, Yadrav, an Autonomous Institute and affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere, has been carried out under my guidance during the academic year 2021-2022. The matter presented in this report is her own work and conclusions drawn are entirely based on observation recorded during the work to the best of my knowledge and belief.

Submitted by-:

Makarand Milind Hinge

Mrs. P.B.Shinde	**Mrs. P.B.Shinde**
(Training Co-ordinator)	**(Training Guide)**
CSE	**CSE**

Dr. Pushpender Sarao	**Dr. S.A. Khot**
Head of Department	**Principal**
Computer Science Engineering	**SITCOE Yadrav**

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1.Industry Information :

Name   : **Comtranse Technology Pvt.Ltd Kolhapur**

Director   : Miss. Trupti Gaikwad-Devane

Start up   : 23 January 2023

Work   : UI and UX Development, Website Development, Application Development And Robotics

Turn Over   : 5,00,000

Best Project : Web Development

Training Date. : 23 January 2023 To 08 February 2023

2. Company Information :

Name	**Comtranse Technology Pvt.Ltd Kolhapur**
Address	NCC Bhavan Kolhapur, Near Shivaji University Gate no 8, Sky Ville Apartment Kolhapur. Pincode - 416008
Site	www.comtranse.in
Contact	9623510789
About	"**Comtranse Technology Pvt.Ltd Kolhapur** : team of passionate people whose goal is to improve everyone's life through disruptive products. They build great products to solve business problems. Their products are designed for small to medium size companies willing to optimize their performance.
Services	SoftwareDevelopment, Web Development , Mobile App Development , Robotics Training,UI/UX Design, Content Writing,IT Education.

b. Starting Date And ending date of field training

Start Date	23 January 2023
Ending Date	08 February 2023

3. Introduction of Training :

The user interface (UI) is the point at which human users interact with a computer, website or application. The goal of effective UI is to make the user's experience easy and intuitive requiring minimum effect on the user's part to receive maximum desired outcome.

UI is created in layers of interaction that appeal to the human senses (sight, touch,auditory,and more). They include both input devices like keyboard,mouse, trackpad, microphone,touch screen, fingerprint scanner,e-pen and camera and output devices like monitors, speakers and printers, Devices that interact with multiple senses are called "multimedia user interface". For example,everyday UI uses a combination of tactile input (keyboard and mouse) and a visual and auditory output (monitor and speakers).

4 . Training Program :

Welcome to **COMTRANSE TECHNOLOGY**, a Leading and reputed Software Company in Kolhapur, South Maharashtra. The main reason to set-up our Software Company in Kolhapur, is to provide the best industry level services locally. While doing the Market Survey in year 2010, we have noticed that businesses in the South Maharashtra cities like Sangli, Satara, Kolhapur, and Miraj are lagging just due to not getting a proper technology support. The name **'COMTRANSE'** is fusion of **COMputing, TRANsaction and SErvices**, representing service commitments to customer for all their computing needs by employing latest technologies. There are many IT companies, who provide various services in IT Field, like Customized Software Development, Web site Designing, Internet Marketing Solutions, but most of them are situated in Metro Cities. This created a difficulty level to get IT solutions and services for many business owners in this region. We decided to set-up our business in Kolhapur. to provide the best IT Services and Solutions in Sangli, Satara, Kolhapur, Miraj and nearby area.

Selecting User Interface Elements

Users are well known with the interface elements,so try to be uniform and excepted in your choice and their layout.This will help the task completion , efficiency,and satisfaction.

User interface elements include:

1. Input control: check boxes,text field, buttons.

2. Navigational Components: search field,tags, icons.

Implementation for UI Design Process

To know your users, understand their objectives, goals, tendencies, and priorities. Once you are clear about user , consider the following while designing your interface.

- Simple interface: The interface should be simple to its user. They reject the unwanted elements and are clear with the language they use on the labels and in messaging
- Use common UI elements and create consistency : When common elements are used ,the user feels very comfortable to use and are able to get the things done quickly.
- Be determined in page layout: Consider the relationship between the items on the page and structure the page based on importance.
- Use composition to create clearance and grading: You must carefully Consider the typeface, difference, fonts,size,and text arrangements to help scan abilities and legibility.
- Attractively use colours and textures: You can attract the user directly through the colour, textures,light, contrast, which should be used in the design.
- Confirm that the system transmits what's occuring: Inform your user about action, changes in state or errors. User various required UI elements to communicate status.

- Avoid default: By thoughtfully thinking and predicting the goals, clients get to your site. You can reduce the burden on the user ,while you create a default.

We will look at HTML elements in depth.

• The basics of HTML Including;

- Elements

  - Tags

    • Attributes

      • Opening and closing Tags

      • Empty Tags

• The Basic structure of an HTML Document

- The HTML Elements

  - The head and body Elements

• Structural vs Semantic Elements

• Nesting Elements

• Linking to other files (i.e. images)

After that we will be wrapping up our unit on HTML by looking at three groups;

a. Additional Structure and Clarity

• The ID attribute

• The class attribute

• The div and span elements

• Escape Character Codes

 These elements, attributes,and codes will offer us additional tools for structuring content and thereby increasing clarity ,Not only will these tools offer increase clarity ,but also they will prove necessary as we move into CSS and consider how to style our pages.

b. Media

Building from our work last week with the image elements ,we will explore 3 new elements this week that allow for increased media integration and embedding. The internet started as a way of sharing scientific content and documents. As the world has quickly progressed however,the way we share information has shifted to necessitating multimedia format such as audio and video.

C. Metadata

Metadata is used by browser, search engine,and developers to better understand specific aspects, qualities,and roles of things ,in our case webpages. The final set of tools that will be

explored this week introduce tools for further defining metadata in our webpages.

D. Exploring CSS [Cascading Style Sheet]

CSS is a language that tells browser how to display and style content in HTML. It will not change the content itself , but allow you to specify   colour, font,font-size, background, padding, alignment,how pages resize,if certain elements should be hidden,and many more qualities.

CSS to adjust the layout of elements within our website.

- Element Boxes

    - Height and Width

        : Setting min and Max values

    - Margin

    - Padding

    - Box Border

    - Hiding Elements

- Inline Block Elements

- Element Position

- Introduction to Layouts

    - Fixed

- Liquid

• Layout and layout design

• Utilising these techniques for images

• Content development and integration

Responsive Web Design

• Flexbox

• Media Queries and Breakpoints

• Some basic layout and design patterns

5. My Internship Project :

In this company I learnt what is user interface and how to create it by using HTML ,CSS, JavaScript in our industrial training.

a. HTML :

HTML is a Hyper Text Markup Language heavily utilised for creating web pages and web applications.
HTML is heavily used for creating pages that are displayed on the world wide web.

b. CSS :

CSS is a Cascading Style Sheets used to style and layout web pages for example,to alter the font, colour,size and spacing of your content, split it into multiple columns or add animations and other decorative features.
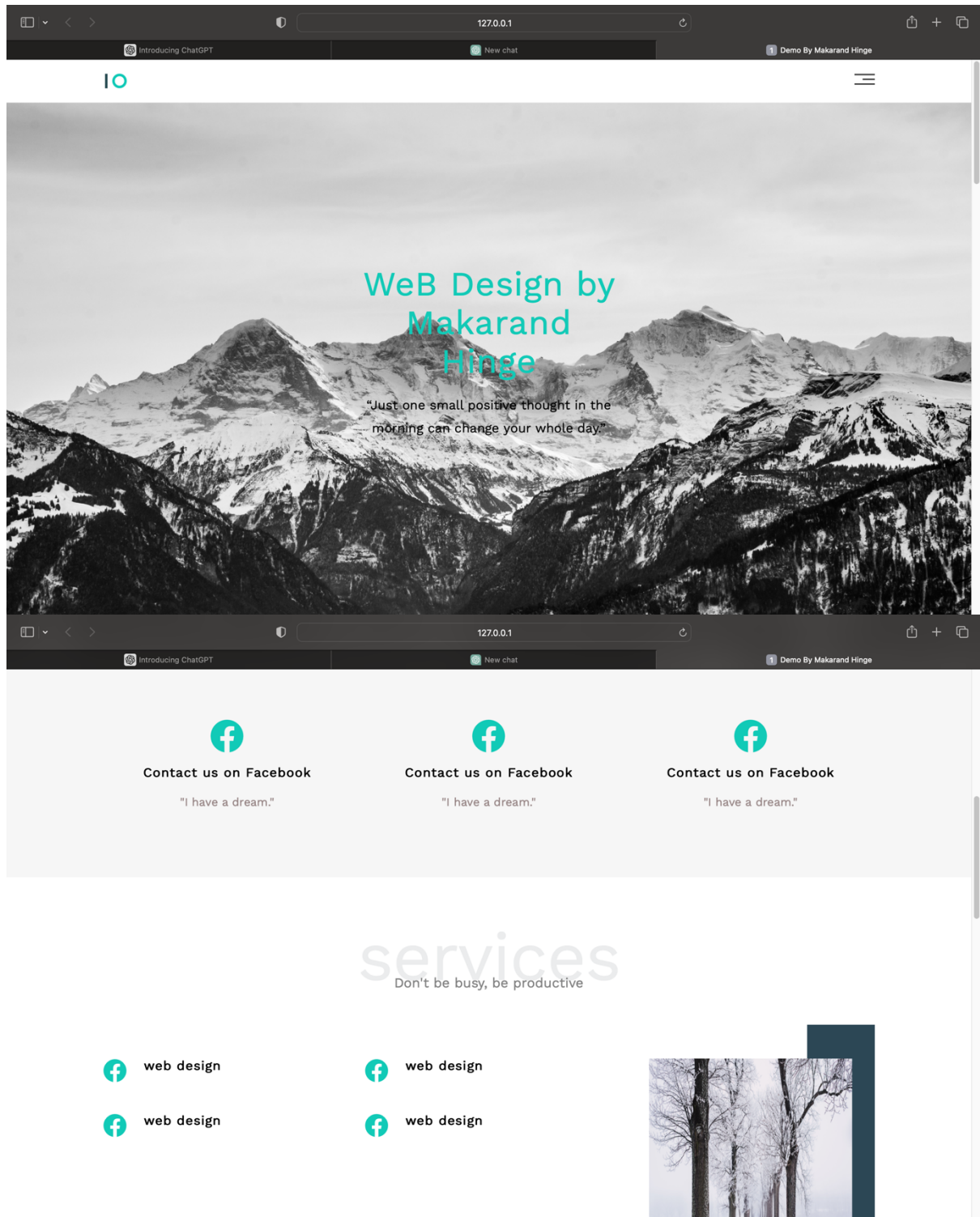
c. Bootstrap :

Bootstrap is a framework to help you to design your website faster and easier. It includes HTML and CSS based design templates for typography,forms, buttons, tables, navigations,modals, imagine corousels etc.
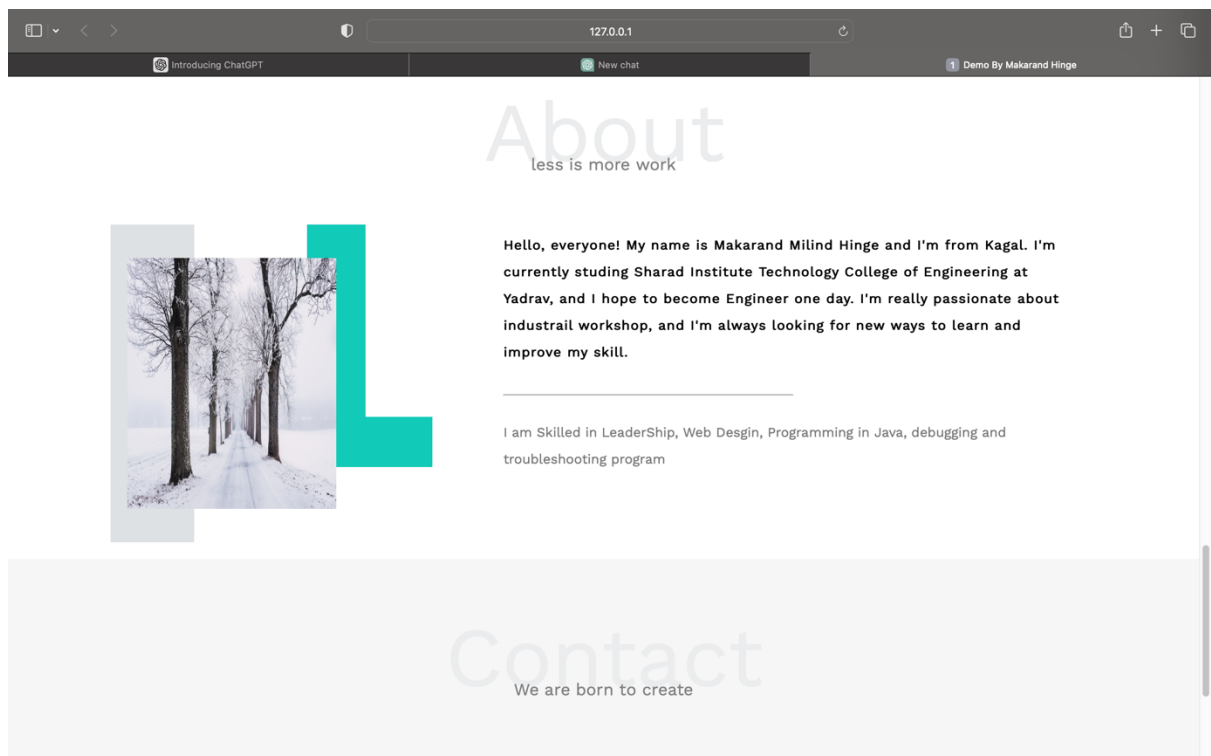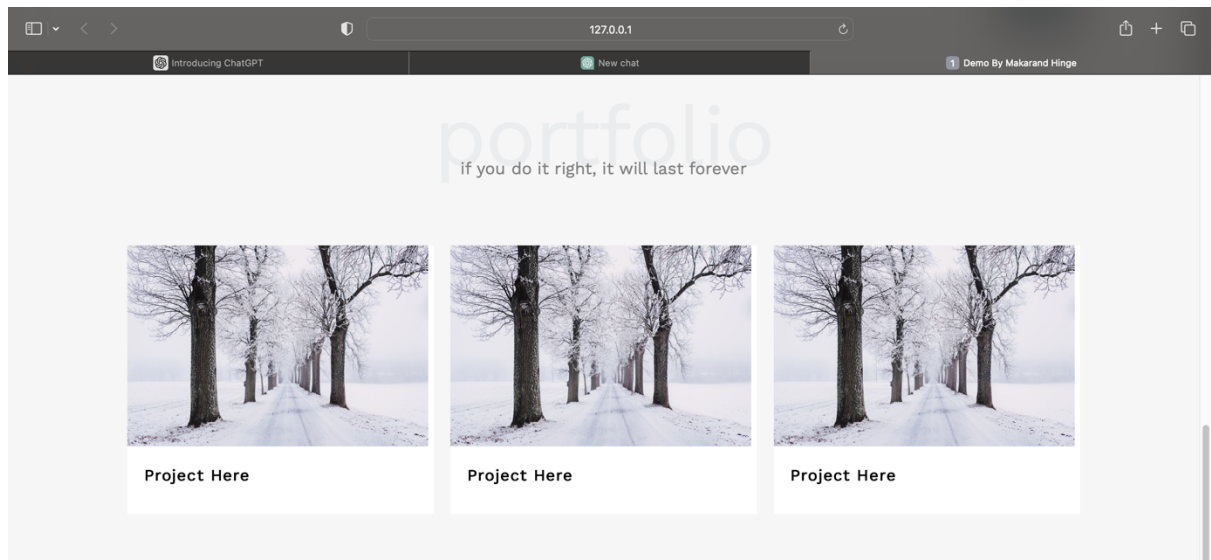It also gives you support for JavaScript plugins.
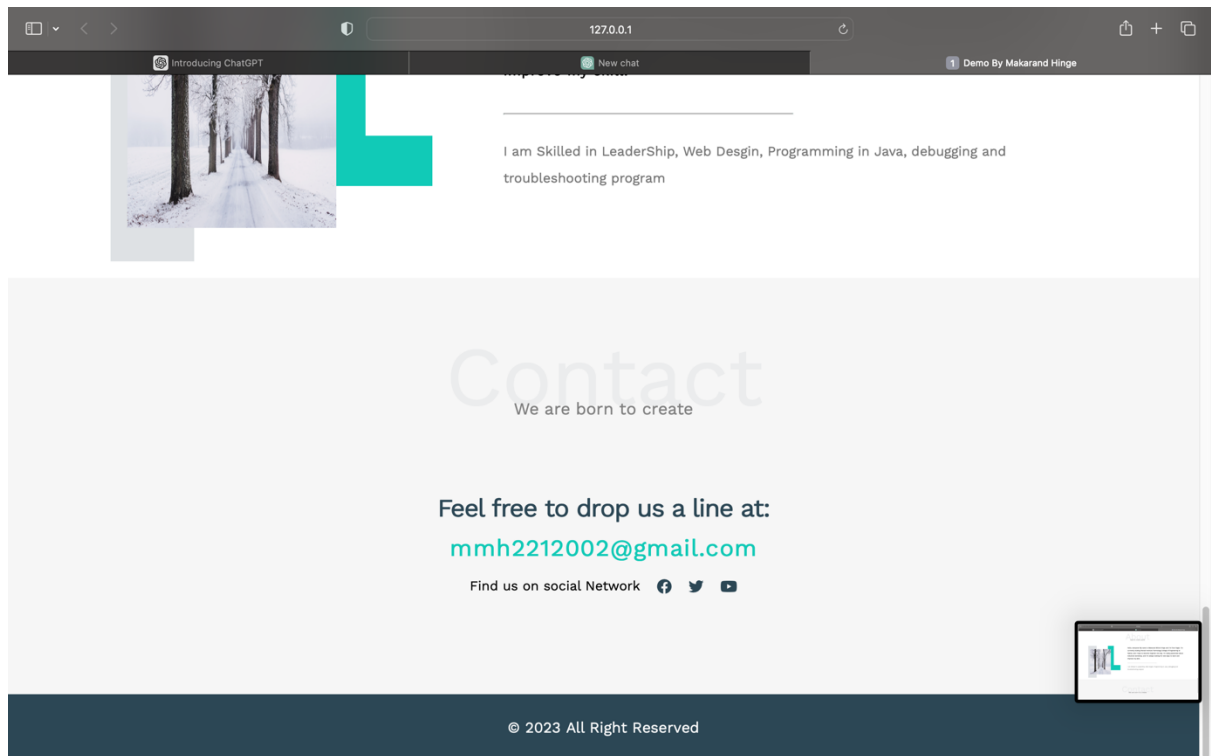
d. JavaScript :
JavaScript is used to adding interactive behaviour to webpages, JavaScript allows users to interact with web pages.

6. Work Samples Output:-

portfolio

if you do it right, it will last forever

Project Here

Project Here

Project Here

About

less is more work

About

less is more work

Hello, everyone! My name is Makarand Milind Hinge and I'm from Kagal. I'm currently studing Sharad Institute Technology College of Engineering at Yadrav, and I hope to become Engineer one day. I'm really passionate about industrail workshop, and I'm always looking for new ways to learn and improve my skill.

I am Skilled in LeaderShip, Web Desgin, Programming in Java, debugging and troubleshooting program

Contact

We are born to create

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Feel free to drop us a line at:

mmh2212002@gmail.com

Find us on social Network

7. Conclusion :

The three languages that all browsers must be capable of understanding. This is quite exciting,as if will allow you to transform your "plain' looking pages. This will look directly of your knowledge and understanding of HTML. Therefore,if you are still struggling with any topics or concepts, please leverage your resources (i.e. the instructor , class issues forum, and google) and take time to bring everything.