MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION

D.Y. Patil Technical Campus, Ambi
D. Y. PATIL POLYTECHNIC

Institute Code: 0996

MICRO PROJECT

Academic year: 2021 -22

TITLE OF PROJECT:

Program: Computer Science   **Program code:** CO2I

Course: Web page designing in HTML   **Course code:** 22014

GROUP DETAILS

Sr No.	Name of Group Member	Roll No.	Enrollment No.	Seat No.
1	AARTI SURYAVANSHI	1	2109960063	183541
2	AMBEKAR AMBIKA VITTHAL	3	2109960073	183550
3	AYUSH UDDHAV AHER	4	2109960075	183552
4	CHAUDHARI LOKESH VIKAS	7	2109960055	183533
5	DEVESH KASHYAP DHANTHARA	13	2109960020	183499
6	KUSHAL RAHUL PACHPANDE	28	2109960053	183531
7	MOHITE ANAGHA RAMESH	30	2109960060	183548
8	OMKAR MARUTI SHINDE	35	2109960120	183559
9	SHINDE VEDANT RAJU	51	2109960076	183553
10	SHIRUDKAR SAKSHI KEDAR	52	2109960080	183557

GUIDE NAME: MRS. DHANASHRI

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This is to certify that Mr. /Ms. **Aarti Suryavanshi.** Roll No. 1 of the Second

Semester of Diploma in **Computer Engineering** of Institute, **D.Y PATIL POLYTECHNIC** has completed the **Micro Project** satisfactorily in Subject **Web page designing with HTML** – **(22014)** for the academic year 2021 - 2022 as prescribed in the curriculum.

Place: Ambi   Enrollment No: 2109960063

Date: Exam. Seat No:183541

Subject Teacher   **Head of the Department**   **Principal**

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This is to certify that Mr. /Ms. **Ambika Ambekar** Roll No. 3 of the Second Semester of Diploma in **Computer Engineering** of Institute, **D.Y PATIL POLYTECHNIC** has completed the **Micro Project** satisfactorily in Subject **Web page designing with HTML** – **(22014)** for the academic year 2021 - 2022 as prescribed in the curriculum.

Place: Ambi   Enrollment No: 2109960073

Date: Exam. Seat No:183550

Subject Teacher   **Head of the Department**   **Principal**

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This is to certify that Mr. /Ms. **Ayush Uddhav Aher.** Roll No. 4 of Second Semester of Diploma in **Computer Engineering** of Institute, **D.Y PATIL POLYTECHNIC** has completed the **Micro Project** satisfactorily in Subject – **Web page designing with HTML (22014)** for the academic year 2021 - 2022 as prescribed in the curriculum.

Place: Ambi   Enrollment No: 2109960075

Date: Exam. Seat No:183552

Subject Teacher   **Head of the Department**   **Principal**

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This is to certify that Mr. /Ms. **Chaudhari Lokesh Vikas.** Roll No. 7 of Second Semester of Diploma in **Computer Engineering** of Institute, **D.Y PATIL POLYTECHNIC** has completed the **Micro Project** satisfactorily in Subject – **Web page designing with HTML (22014)**for the academic year 2021 - 2022 as prescribed in the curriculum.

Place: Ambi

Date:

Enrollment No: 2109960055

Exam. Seat No:183533

Subject Teacher   Head of the Department   Principal

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This is to certify that Mr. /Ms. **Devesh Kashyap Dhanthara.** Roll No. 1 of Second Semester of Diploma in **Computer Engineering** of Institute, **D.Y PATIL POLYTECHNIC** has completed the **Micro Project** satisfactorily in Subject – **Web page designing (22014)**for the academic year 2021 - 2022 as prescribed in the curriculum.

Place: Ambi   Enrollment No: 2109960020

Date: Exam. Seat No:183499

Subject Teacher   Head of the Department   Principal

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This is to certify that Mr. /Ms. **Kushal Rahul Pachpande.** Roll No. 28 of the second semester of Diploma in **Computer Engineering** of Institute, **D.Y PATIL POLYTECHNIC** has completed the **Micro Project** satisfactorily in Subject – **Web page designing in HTML (22014)**for the academic year 2021 - 2022 as prescribed in the curriculum.

Place: Ambi   Enrollment No: 2109960053

Date: Exam. Seat No:183531

Subject Teacher   **Head of the Department**   **Principal**

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This is to certify that Mr. /Ms. **Mohite Anagha Ramesh.** Roll No. 30 of the Second Semester of Diploma in **Computer Engineering** of Institute, **D.Y PATIL POLYTECHNIC** has completed the **Micro Project** satisfactorily in Subject –**Web page designing in HTML (22014)**for the academic year 2021 - 2022 as prescribed in the curriculum.

Place: Ambi   Enrollment No: 2109960080

Date: Exam. Seat No:183548

Subject Teacher   **Head of the Department**   **Principal**

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This is to certify that Mr. /Ms. **Shinde Vedant Raju.** Roll No. 51 of the Second Semester of Diploma in **Computer Engineering** of Institute, **D.Y PATIL POLYTECHNIC** has completed the **Micro Project** satisfactorily in Subject – **Web page designing in HTML(22014)**for the academic year 2021 - 2022 as prescribed in the curriculum.

Place: Ambi   Enrollment No-2109960076

Date: Exam. Seat No:183553

Subject Teacher   **Head of the Department**   **Principal**

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This is to certify that Mr. /Ms. **Sakshi Kedar Shirudkar** Roll No. 51 of the Second Semester of Diploma in **Computer Engineering** of Institute, **D.Y PATIL POLYTECHNIC** has completed the **Micro Project** satisfactorily in Subject – **Web page designing in HTML (22014)**for the academic year 2021 - 2022 as prescribed in the curriculum.

Place: Ambi   Enrollment No-2109960080

Date: Exam. Seat No:183557

Subject Teacher   **Head of the Department**   **Principal**

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This is to certify that Mr. /Ms. **Omkar Maruti Shinde** Roll No. 51 of the Second Semester of Diploma in **Computer Engineering** of Institute, **D.Y PATIL POLYTECHNIC** has completed the **Micro Project** satisfactorily in Subject – **Web page designing in HTML (22014)**for the academic year 2021 - 2022 as prescribed in the curriculum.

Place: Ambi   Enrollment No-2109960102

Date: Exam. Seat No:183559

Subject Teacher   **Head of the Department**   **Principal**

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INTRODUCTION

The HyperText Markup Language or HTML is the standard markup language for documents designed to be displayed in a web browser. It can be assisted by technologies such as Cascading Style Sheets (CSS) and scripting languages such as JavaScript.

Web browsers receive HTML documents from a web server or local storage and render the documents into multimedia web pages. HTML describes the structure of a web page semantically and originally included cues for the appearance of the document.

HTML elements are the building blocks of HTML pages. With HTML constructs, images and other objects such as interactive forms may be embedded into the rendered page. HTML provides a means to create structured documents by denoting structural semantics for text such as headings, paragraphs, lists, links, quotes, and other items. HTML elements are delineated by tags, written using angle brackets. Tags such as <img /> and <input /> directly introduce content into the page. Other tags such as <p> surround and provide information about document text and may include other tags as sub-elements. Browsers do not display the HTML tags but use them to interpret the content of the page.

HTML can embed programs written in a scripting language such as JavaScript, which affects the behavior and content of web pages. The inclusion of CSS defines the look and layout of content. The World Wide Web Consortium (W3C), the former maintainer of the HTML and current maintainer of the CSS standards, has encouraged the use of CSS over explicit presentational HTML since 1997.

Block-level tags and Inline tags

HTML is made up of various elements that act as the building blocks of web pages. For styling, elements are divided into two categories: block-level elements and inline elements. In summary, an `<span>` element is used as an inline element and an `<div>` element as a block-level element. The difference between the two elements is a commonly misunderstood concept of web design but it does not have to be! An inline element does not cause a line break (start on a new line) and does not take up the full width of a page, only the space bounded by its opening and closing tag. It is usually used within other HTML elements. Other examples of inline elements are-

- anchor `<a>` tag

- emphasis `<em>` tag

- image `<img>` tag

A block-level element always starts on a new line and takes up the full width of a page, from left to right. A block-level element can take up one line or multiple lines and has a line break before and after the element. Other examples of the block-level tag are:

- Heading tags `<h1>` to `<h6>`

- List (Ordered, Unordered, Description and List Item) tags `<ol>` , `<ul>`,`<dl>`, `<li>`

- Pre-formatted text tag `<pre>`

- Blockquote tag `<blockquote>`

Internal CSS and External CSS

Cascading Style Sheet (CSS) is used to set the style in web pages that contain HTML elements. It sets the background color, font size, font family, color, etc. properties of elements on a web page. There are three types of CSS which are given below:

- Inline CSS
- External CSS

Inline CSS: Inline CSS contains the CSS property in the body section attached with the element known as inline CSS. This kind of style is specified within an HTML tag using the style attribute.

External CSS: External CSS contains a separate CSS file that contains only style property with the help of tag attributes (For example class, id, heading, etc.). CSS property is written in a separate file with a .css extension and should be linked to the HTML document using the <u>link</u> tag. This means that for each element, style can be set only once and that will be applied across web pages.

Bootstrap

Bootstrap is a free and open-source front-end development framework for the creation of websites and web apps. The Bootstrap framework is built on HTML, CSS, and JavaScript (JS) to facilitate the development of responsive, mobile-first sites and apps. Responsive design makes it possible for a web page or app to detect the visitor's screen size and orientation and automatically adapt the display accordingly; the mobile-first approach assumes that smartphones, tablets, and task-specific Mobile apps are employees' primary tools for getting work done and addresses the requirements of those technologies in design. Bootstrap includes user interface components, layouts, and JS tools along with the framework for implementation. The software is available precompiled or as source code.

DOM Manipulation

The Document Object Model (DOM) is a programming interface for web documents. It represents the page so that programs can change the document structure, style, and content. The DOM represents the document as nodes and objects; that way, programming languages can interact with the page.

A web page is a document that can be either displayed in the browser window or as an HTML source. In both cases, it is the same document but the Document Object Model (DOM) representation allows it to be manipulated. As an object-oriented representation of the web page, it can be modified with a scripting language such as JavaScript. All of the properties, methods, and events available for manipulating and creating web pages are organized into objects. For example, the document object that represents the document itself, any table objects that implement the HTML Table Element DOM interface for accessing HTML tables, and so forth, are all objects.

Evaluation Sheet for the Micro Project

Academic Year: 2021 - 22   **Name of the Faculty:** MRS. Dhanashri

Course: Web designing in HTML   **Course Code:** 22014

Semester: 2nd

Title of the Project: Website for Grocery Store.

Co-addressed by Microproject:
Practical Outcome:

Unit outcomes in Cognitive domain:
Outcomes in Affective domain:
Function as team member Follow Ethic

Comments/suggestions about team work /leadership/inter-personal communication (if any)

Sr.No	Student Name	Marks out of 6 for performance in groupactivity (D5 Col.8)	Marks out of 4for performance in oral/ presentation(D5 Col.9)	Total out of 10
1	Aarti Suryavanshi			
2	AMBEKAR AMBIKA VITTHAL			
3	AYUSH UDDHAV AHER			
4	CHAUDHARI LOKESH VIKAS			
5	DEVESH KASHYAP DHANTHARA			
6	KUSHAL RAHUL PACHPANDE			
7	MOHITE ANAGHA RAMESH			
8	OMKAR MARUTI SHINDE			
9	SHINDE VEDANT RAJU			
10	SHIRUDKAR SAKSHI KEDAR			

(Signature of Faculty)