DEPARTMENT OF COMPUTER APPLICATION

CERTIFICATE COURSE CODE : BCA008
CERTIFICATE COURSE NAME : Basic Web Designing

DATE : 18-07-2023 to 14-11-2023
COURSE TEACHER : Mr. Hanees Hussain
DESCRIPTION : The course is initiated to help develop an interest in designing interactive webpages and delivering the necessary skills required.

Objectives:
1. **Introduction to Web Design:** Provide participants with a foundational understanding of web design principles, terminology, and concepts.
2. **HTML Fundamentals:** Teach participants the basics of HTML (Hypertext Markup Language), including tags, elements, and structure, to create static web pages.
3. **Responsive Design:** Familiarize participants with responsive web design techniques to create websites that adapt to various screen sizes and devices.
4. **Introduction to Web Graphics:** Explore basic graphic design principles and tools for creating and optimizing images and graphics for the web.
5. **Introduction to Web Development Tools:** Familiarize participants with basic web development tools and software, including text editors and web browsers.

Outcomes:
1. **Basic Website Creation:** Participants will be able to create simple static websites using HTML and CSS, including structuring content and styling elements.

2. **Responsive Design Skills:** Participants will understand how to design websites that adapt seamlessly to different screen sizes and devices, enhancing user experience.

3. **Visual Design Proficiency:** Participants will demonstrate basic proficiency in graphic design principles and techniques for creating visually appealing web content.

4. **Problem-solving Abilities:** Participants will develop problem-solving skills in troubleshooting and debugging basic web design issues.

5. **Portfolio Development:** Participants will compile a portfolio showcasing their web design projects and skills, which can be used for professional purposes such as job applications or freelance opportunities.

SYLLABUS

Module 1

Introduction to Computers: Types of Computers - DeskTop, Laptop, Notebook and Netbook. Hardware: CPU, Input / Output Devices, Storage Devices – System - Software - Operating Systems, Programming Languages, Application Software - Networks - LAN, WAN - Client –Server.

Module II

Basics of Web Design – www, W3C, Web Browser, Web Server, Web Hosting, Web Pages, DNS, URL, Introduction to HTML, Basic Formatting Tags: heading, paragraph, break, underline, bold, italic, superscript, subscript, font and image, attributes: align, color, bgcolor, font face, border, size, navigation links using anchor tag: internal, external, mail and image, lists: ordered, unordered and definition, HTML media tags: audio and video. Creating Simple Tables: row, col, heading, cell, border, spanning – Form Controls: Input types – text, password, text area, button, checkbox, radio button, select box, hidden controls, frames and frame sets.

Module III

Concept of CSS, Creating Style Sheet: inline and internal, CSS Properties, CSS Styling: Background, Text Format, Controlling Fonts.

Module IV

1. Write a HTML program to design a form which should allow to enter your personal data (Hint: make use of text field, password field, e-mail, lists, radio buttons, checkboxes, submit button).
2. Create a web page of your college.
3. Display drinks menu. Using definition list.

References:
1. HTML 5 Blackbook, Dream Tech Press,2016 Edition.
2. Sinha. P.K, Computer Fundamentals, BPB Publications
3. 1. Thomas L Floyd, Digital Fundamentals, Universal Book Stall
4. 2. Bartee T.C, Digital Computer Fundamentals, THM