Discipline : Computer Engineering

Semester : 2nd Semester

Subject : Advanced IT

Faculty : Ms. Mamtesh

Lesson Plan Duration : 16 Weeks from (15.02.2024 to 28.06.2024) Work Load (L / P) per week (In hours): L-2, P-1)

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| **Week** | **Theory** | |
| **Lecture Day** | **Topic ( Including Assignment / Test )** |
| 1 | 1 | Introduction to HTML- Characteristics of HTML language, Structure of a HTML page. |
| 2 | Describing Tags. How to create a HTML document? Viewing HTML document, commonly used web browsers. |
| 2 | 1 | HTML4 – List of Tags in HTML4, HTML tags: Container elements, empty elements. Using tags, Heading, Paragraph, Changing appearance of text (bold, italics, underline, subscript, superscript), center tag, title tag. |
| 2 | Changing font size, text color and background,  Changing the background color and background of HTML page, Top marging, left margin, &  nbsp,<hr> and its attributes. |
| 3 | 1 | Revision of UNIT 1 and questions |
| 2 | Using list and images: Unordered lists: type attribute. Ordered lists: start attribute, type attribute,value attribute. |
| 4 | 1 | Nested lists. Inserting images, aligning an image, centering image, |
| 2 | Adding border to image, alternate text, setting height and width, adding space around the image. |
| 5 | 1 | Practice questions of List |
| 2 | Working with links: Anchor elements, creating hyperlink to a document. |
| 6 | 1 | Internal linking and external linking, Sessional 1 |
| 2 | Sessional 1 |
| 7 | 1 | Creating tables: Creating a table, attributes of table tag (BORDER, BORDERCOLOR,  BGCOLOR, ALIGN, CELLSPACING, CELLPADING, WIDTH) |
| 2 | Attributes of table row <tr> and table data <td> tag (BORDERCOLOR, BGCOLOR, ALIGN, VALIGN, HEIGHT). Row span and Col span. |
| 8 | 1 | Working with Frames. Use and creating frames. Introduction to Forms |
| 2 | Steps for developing a Website. |
| 9 | 1 | Introduction to Scripting Languages, JavaScript Implementation-ECMAScript |
| 2 | DOM,BOM, Values-Variables-Literals-Constants-Operators, |
| 10 | 1 | Revision |
| 2 | Revision |
| 11 | 1 | Sessional-2 |
| 2 | Sessional-2 |
| 12 | 1 | Expressions-Regular Expressions, |
| 2 | Conditional Branching Statements |
| 13 | 1 | Conditional Looping Statements-Functions- |
| 2 | Creating Simple Java Script page-Adding JavaScript page into HTML |
| 13 | 1 | The Document Object Model: Mapping your HTML -Text Nodes-Attribute Nodes Accessing the Nodes you Want: |
| 2 | Finding an Element by ID-Finding Elements by Tag Name-Finding Elements  by Class Name |
| 14 | 1 | Navigating the DOM Tree-Interacting with Attributes |
| 2 | Changing Styles:  Changing Styles with Class and Id-Font-Table Layout-Text Properties- Padding, Borders and  Margins |
| 15 | 1 | Revision |
| 2 | Revision |

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| 16 | 1 | Sessional-3 |
| 2 | Sessional-3 |