



# C.U.SHAHUNIVERSITY, WADHWAN CITY.

Faculty of: **Computer Science**

Course: **Bachelor of Science Information Technology**

Semester: **I**

Subject Code: **ITM201-1C**

Subject Name: **WEB TECHNOLOGIES**

| Sr. No | Category | Subject Code | Subject Name     | Teaching hours/ Week |    |    | Credit hours | Credit Points | Evaluation Scheme/ Semester             |            |                    |          |                     |          |                    |          | Total |
|--------|----------|--------------|------------------|----------------------|----|----|--------------|---------------|---|------------|--------------------|----------|---------------------|----------|--------------------|----------|-------|
|        |          |              |                  | Th                   | Tu | Pr |              |               | Theory                                  |            |                    |          | Tutorial/Practical  |          |                    |          |       |
|        |          |              |                  |                      |    |    |              |               | Continuous and Comprehensive Evaluation |            | End Semester Exams |          | Internal Assessment |          | End Semester Exams |          |       |
|        |          |              |                  |                      |    |    |              |               | Marks                                   | Marks      | Marks              | Duration | Marks               | Duration | Marks              | Duration |       |
| 1      | MAJOR-I  | ITM201-1C    | WEB TECHNOLOGIES | 3                    | -- | 2  | 5            | 4             | 10                                      | Assignment | 50                 | 2        | 25                  | 1        | -                  | -        | 100   |

**Aim:**

Student can able to understand about various html tags.

Student can able to design web page using CSS and Java Script

• **Unit -1 : Introduction to HTML**

**(5 Lectures)**

- [a] HTML introduction
- [b] History of HTML
- [c] HTML tags
- [d] HTML document structure
- [e] Document tags
- [f] Colors in HTML

• **Unit -2 :HTML tags**

**(15**

**Lectures)**

- [a] Comment tag
- [b] Heading tags
- [c] Paragraph tag
- [d] Formatting tags
- [e] HTML images(<img>, <are>, <map>)
- [f] HTML list (Ordered list, Unordered list, definition list)
- [g] HTML links and anchors (<a>, <base>, <link>)
- [h] HTML tables
- [i] HTML frameset and frames

- [j] HTML forms
- [k] HTML entities
- [l] HTML fonts

- **Unit -3 : Introduction to CSS (4 Lectures)**

- [a] Introduction to CSS
- [b] CSS stylesheet
- [c] CSS selectors
- [d] Types of stylesheets

- **Unit -4 : CSS Properties (10 Lectures)**

- [a] Background properties
- [b] Text properties
- [c] Font properties
- [d] Border properties
- [e] List properties
- [f] Table properties
- [g] CSS link
- [h] CSS dimension
- [i] CSS display and visibility
- [j] CSS positioning
- [k] CSS float

- **Unit -5 : Javascript (11 Lectures)**

- [a] Introduction to JavaScript
- [b] Client-side scripting language
- [c] JavaScript variables
- [d] Javascriptfunctions,
- [e] Conditional statements
- [f] looping statements
- [g] dialog boxes
- [h] Objects in JavaScript
- [g] Access/Manipulate web browser elements using DOM Structure
- [h] JavaScript events

**Arrangement of lectures duration and practical session as per defined credit numbers:**

| Units        | Lecture Duration<br>(In Hrs.) |           | Calculation of<br>Credits<br>(In Numbers) |           | Total<br>Lecture<br>Duration | Credit<br>Calculation |
|--------------|-------------------------------|-----------|---|-----------|------------------------------|-----------------------|
|              | Theory                        | Practical | Theory                                    | Practical | Theory +<br>Practical        | Theory +<br>Practical |
| Unit -1      | 5                             | 2         | 3   | 1         | 7                            | 4                     |
| Unit -2      | 15                            | 8         |   |           | 23                           |                       |
| Unit -3      | 4                             | 2         |   |           | 6                            |                       |
| Unit -4      | 10                            | 8         |   |           | 18                           |                       |
| Unit -5      | 11                            | 10        |   |           | 21                           |                       |
| <b>Total</b> | <b>45</b>                     | <b>30</b> | <b>3</b>                                  | <b>1</b>  | <b>75</b>                    | <b>4</b>              |

**Evaluation:**

| Theory Marks | Practical Marks | Total Marks |
|--------------|-----------------|-------------|
| <b>75</b>    | <b>25</b>       | <b>100</b>  |

**Reference Books:**

1. "Web Enabled Commercial Applications development using... HTML, Javascript, DHTML and PHP" 4th edition By : Ivan Bayross ( BPB Publication)
2. "World Wide Web design with HTML" By: C Xavier ( Tata McGraw Hill Publishing Company.)
3. "Internet & Web development using HTML, DHTML and javascript" By : Soma dasgupta (KhannaBook Publication)