# Department of Computer Science
## Discipline Specific Minor Course
## (Semester-II)

| Year | Semester | Course Type | Course Code | Course Title | Theory/ Practical | Credits | No. of Lectures/ Practical to be conducted |
|------|----------|-------------|-------------|--------------|-------------------|---------|---------------------------------------------|
| 1st | II | DSC (Minor) | CS-MN-126T | Introduction to Web Design | Theory | 2 | 30L |

## MINOR
## (CS-MN-126T)  Introduction to Web Design

| Course Title & Course Code | Credits | Credit distribution of the course | |
|---|---|---|---|
| | | **Theory** | **Practical** |
| CS-MN-101T Introduction to Web Design | 02 | -- | **02** |

**Course Objectives:**

1. To learn and design static HTML using different tags.

2. To define styles for web pages using CSS.

**Learning Outcomes: On completion of this course, students will be able to:**

1. Build simple static Web application.

2. Define different styles for HTML tags.

**Unit 1: Overview**                                          [08 Hrs.]

1.1 Introduction to web technology. What is Web Development?

1.2 Introduction to Web server, Web browser, Web Protocols (HTTP, TCP/IP, UDP, FTP, SMTP, SOAP)

1.3 Web development: Frontend, backend

1.4 Front End Frameworks and Libraries: HTML, CSS, JavaScript

1.5 Back End Frameworks and Technology: PHP, Node JS, Python, Ruby, Java, DBMS

**Unit 2: Introduction to HTML**                              [12 Hrs.]

2.1 HTML features

2.2 HTML Structure

2.3 HTML Tags

2.4 Commenting Codes

2.5 Formatting and Fonts

2.6 Anchors, Hyperlinks

2.7 Backgrounds

2.8 HTML Lists, Tables, Frames

2.9 HTML Forms

2.10 HTML Graphics

2.11 HTML SVG-Basics

2.12HTML Canvas Basics

**Unit 3: Introduction to CSS**                                                [10 Hrs.]

3.1 Need for CSS

3.2 Introduction to CSS

3.3 Basic Syntax and structure

3.4 Inline styles

3.5 Embedding Style sheets

3.6 Linking External Style

3.7 Background Styles

3.8 Manipulating Text

3.9 Margins and Padding

3.10Positioning using CSS

**ESSENTIAL/RECOMMENDED READINGS:**

1. HTML Black Book by Steven Holzner, Dremtechpress.

2. The Complete Reference by Thomas A. Powell, McGraw-Hill

3. www.w3schools.com/html

4. www.w3schools.com/css