

B.Sc. Computer Science

SEMESTER – V

Course Code	Course Title	H	C	I	E	T
17U5DMC14	Web Designing	5	4	25	75	100

Objectives:

- To impart knowledge about the web development and their applications.
- To understand the basic software tools, methods of web designing.

Unit – I

Total Hours : 75

Introduction

(15 Hours)

What is Internet-History of Internet- Internet Services and Accessibility-Uses of the Internet-Protocols-Web concepts-The client/server model of the web-Retrieving data from the web. **Internet Protocols:** Introduction – Internet protocols-transmission control protocols-User Datagram protocols - Host Names.

Unit –II

HTML

(15 Hours)

Introduction-SGML-DTD-DTD Elements- attributes-outline of an HTML document-Head section-Body section - Headers – Paragraphs – Text formatting – Linking – Internal linking – Embedding images – Lists – Tables – Frames – Other Special tags - HTML forms.

Unit- III

JavaScript

(15 Hours)

Introduction- need of a scripting language - language elements - Identifiers – Expressions – JavaScript keywords – Operators – Statements – functions.

Unit - IV

Objects of JavaScript

(15 Hours)

The Window object – The Document object – Forms object – Text boxes and text areas – Buttons , Radio buttons and Check boxes – Select object - other objects - The Date object – The Math Object – The String Object –Regular Expressions– Arrays – worked examples.

Unit - V

Dynamic HTML

(15 Hours)

Introduction- cascading style sheets - Coding CSS – Properties of tags – Property values – Other style properties – Inline Style Sheets –Embedded Style Sheets – External Style sheets – Grouping – Inheritance – Class as Selector – ID as Selector – Contextual Selectors – Pseudo Classes and Pseudo-elements – Positioning – Backgrounds – Element Dimensions.

Text Book

“Web Technology A Developer’s Perspective “ - N.P.Gopalan, J. Akilandeswari - Second Edition - PHI publishers.

Chapters

Unit – I	: 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 2.1, 2.2, 2.3
Unit – II	: 4
Unit – III	: 5.1, 5.2
Unit – IV	: 5.3, 5.4, 5.5
Unit – V	: 7.1, 7.2

Reference Books:

1. “Web Technology and Design” - C. Xavier - New Age International Publishers.
2. “Web Technologies TCP/IP Architecture and Java Programming” - Achyut S. Godbole &
3. Atul Kahate- Second Edition -Tata McGraw Hill
4. “Web Technology “ - S. Padma Priya - SCITECH Publications (India)Pvt. Ltd