

**JYOTI NIVAS COLLEGE AUTONOMOUS  
SYLLABUS FOR 2018 BATCH AND THEREAFTER**

**Programme: B.C.A**

**Semester: II**

**WEB DESIGNING**

**Course Code: 18BCAIIIT3**

**No. of Hours: 60**

**COURSE OBJECTIVES:**

- To learn various Web Technologies.
- To enable the students to design and implement static and dynamic Web pages.
- Ability to develop web pages using HTML and Cascading Style Sheets.
- To acquire Knowledge of client-side (JavaScript) to build dynamic web pages.

**LEARNING OUTCOMES:**

- After this course the students will develop an understanding of various web technologies.
- After this course the students will develop an ability to develop web pages using HTML and Cascading Style Sheets.
- To enable the students to design and implement static and dynamic Web pages.

**UNIT I**

**12HRS**

Internet- Introduction - Types of Network, History - Features, Security - Firewall incl.- Protocols Types – Examples - Internet Addressing (IP) - Intd to IPv6 - Domain Name system(DNS) - Applications (email, Usenet) - Connecting to Internet-broadband and dial-up - World Wide Web(WWW) - Uniform Resource Locator(URL) - Web-Browsers - Web-Servers - Search Engines.

**UNIT II**

**13HRS**

**HTML:** Introduction - Static WebPages – Elements - Hot Spots

**Tags and Attributes:** Headings – Paragraph - Formatting: Fonts – Image – Table - lists Frames - input type elements - Forms and Events

**UNIT III**

**18 HRS**

**JavaScript:** Introduction - Operators -Control Structures – Functions: In-Built Objects along with their Properties and Methods-Array – String – Date -Math

**UNIT IV**

**09 HRS**

**CSS:** Introduction – Types – Filters – Transitions - Introduction to XML

**UNIT V**

**08 HRS**

**DHTML:** Object and Event Model - Browsers Objects – Collections - User defined objects - Dynamic WebPages -Recent Developments in XHTML, ASP.

**REFERENCES:**

1. Jon Duckett, “Beginning HTML, XHTML, CSS, and JavaScript”, Wiley Publishing, Inc, 2014
2. C. Xavier, “World wide Design with HTML” , Tata McGrawHill Publishing Company Limited, 3<sup>rd</sup> Edition, 2000

