

SYLLABUS

I. INTRODUCTION TO WEB DEVELOPMENT (CREDITS: 6)

Section - A

Unit I: Introduction to Web Development: Internet, IP Addresses, TCP/IP Protocol Suits, ISP and its Working, World Wide Web (WWW), Website and Domain Names, Domain Names, Web Hosting, Types of Web Hosting, Website Development Process, Static vs Dynamic Web pages, Web Development Technologies, Client Side vs Server Side Scripting: Client Side Scripting, Server Side Scripting, Common Gateway Interface, Hypertext, Hypermedia Tools and IDEs, Hypermedia Tools

Unit II: HTML Basics: Introduction, Developing Your First Web page, HTML Document Structure, HTML Tags, Comments, Formatting Tags, Lists, HTML Links, Images and Tables: Introduction, Images and Sounds, Adding Images in a Web page, Set Images Width and Height, Adding Tables in a webpage, Marquee, Form and Input types: Introduction, Marquee, Form, Complete Example of Input types and forms, iframes

Unit III: Cascading Style Sheet: Introduction, Advantages of CSS, Style, Methods of Writing CSS, External Style Sheet, Internal Style Sheet, Inline Style, CSS Syntax, Element Selector, ID Selector, Class Selector, CSS Comments, Basic Properties of CSS, Text, Border and Table Properties in CSS: Introduction, Text Properties in CSS, Border Properties, Margin Properties, Padding Properties in CSS, Table Properties, Position Properties in CSS

Section - B

Unit IV: Client Side Scripting - I: Introduction, JavaScript, Advantages and Limitations of JavaScript, JavaScript Program, External JavaScript, JavaScript Basics, JavaScript Variables, JavaScript Comments,

Unit V: Client Side Scripting - II: Introduction, JavaScript Operators, JavaScript Conditional Statements, JavaScript Loops, JavaScript Objects, Object Properties, Object Methods, Object Constructor, JavaScript and HTML Forms, JavaScript Events

Unit VI: Website Hosting: Introduction, Web Servers, Types of Web Server, Web Hosting and its types, Domain Name, Sub Domain, File Transfer Protocol, Uploading a Website: Upload using cPanel File Manager, Upload using Filezilla FTP Client