



Web Technology (HTML-JSS-CSS)
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[CORE COURSE]

Semester: II	Credits: 3	Subject Code: BC22005	Lectures: 48
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Course Learning Outcomes:

At the end of this course the learner will be able to,

- Recognize the structure of an HTML document, HTML elements and its attributes.
- Create sample projects using HTML, CSS and JavaScript.
- Apply their mind to create attractive web application.
- Recall the use hyperlinks to connect various HTML pages together.
- Develop various scripting language and use them with various technologies.

Unit 1: Introduction to WWW	4
<ul style="list-style-type: none">• Clients- Servers and Communication• Internet-Basic, Internet Protocols (HTTP, FTP, IP)• World Wide Web (WWW)• HTTP request message, HTTP response message	

Unit 2: Web Design	8
<ul style="list-style-type: none">• Concepts of effective web design• Web design issues including Browser Bandwidth and Cache• Display resolution• Look and Feel of the Website• Page Layout and linking• User centric design• Sitemap• Planning and publishing website• Designing effective navigation	

Unit 3: HTML	12
<ul style="list-style-type: none">• Introduction to HTML• Basic HTML Structure• Common HTML Tags• Physical and Logical HTML• Types of Images, client side and server-side Image mapping	

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<ul style="list-style-type: none">List, Table, FramesEmbedding Audio, VideoHTML form and form elementsIntroduction to HTML Front Page	
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Unit 4: Style sheets	10
<ul style="list-style-type: none">Need for CSSIntroduction to CSSBasic syntax and structureUsing CSS-background images, colors and propertiesmanipulating texts, using fonts, borders and boxes, margins, padding lists, positioning using CSSOverview and features of CSS2 and CSS3	

Unit 5: JavaScript	14
<ul style="list-style-type: none">Introduction to Java ScriptIdentifier & operator, control structure, functionsDocument object model (DOM)DOM Objects (window, navigator, history, location)Predefined functions, math & string functionsArray in Java scriptsEvent handling in Java script	

#12 hours for Library work, assignments practical or field work

Recommended Text Books:
<ul style="list-style-type: none">Kiran Gurbani, <i>Web Programming</i>, Himalaya Publication House, 2017David Flanagan, <i>JavaScript</i>, O'REILLY Publication, 2011Laura Lemay, <i>Mastering HTML, CSS & JavaScript Web Publishing</i>, BPB Publication, 2016

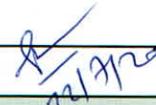
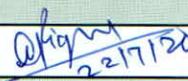
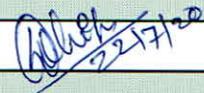
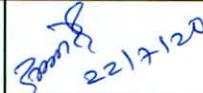
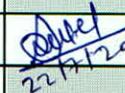
Reference Books:
<ul style="list-style-type: none">Steven Holzner, <i>HTML Black Book</i>, Paraglyph Press, 2009Thomas Powell, <i>The Complete Reference JavaScript</i>, Mc Graw Hill Edition, 2004Vaibhav Sakpal, Hiren Dand, <i>Web Programming with HTML5, JavaScript and PHP</i>, Shroff Publishers and distributors PVT.LTD, 2017

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Websites:

<https://www.tutorialspoint.com/>
www.w3schools.com
<https://www.codecademy.com/learn/learn-html>
<https://www.studytonight.com/javascript>

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