



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 of hyperlinks to connect various HTML pages together.
- Develop various scripting language and use them with various technologies.

Unit 1: Introduction to WWW

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- 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

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- 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

- 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



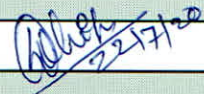
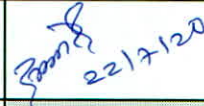

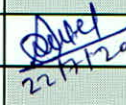
Reference Books:
<ul style="list-style-type: none">Steven Holzner, <i>HTML Black Book</i>, Paraglyph Press, 2009Thomas Powell, <i>The Complete Reference JavaScript</i>, Mc Graw Hill Edition, 2004Vaibhav Sakpal, Hiren Dand, <i>Web Programming with HTML5, JavaScript and PHP</i>, Shroff Publishers and distributors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