

Teaching and Examination Scheme:

Teaching Scheme			Credits	Marks			Duration of End Semester Examination
L	T	P/D		Sessional	End Semester Exams	Total	
3	0	0	3	40	60	100	3Hrs

COURSE OBJECTIVE:

The course should enable the students to understand the basic scripting languages, server side programming and web databases.

COURSE CONTENT:

UNIT	CONTENT	No. of Hrs.
I	Information Architecture: The role of information architect, collaboration and communication, organizing information, organizational challenges, organizing web sites and intranets, creating cohesive organization systems, designing navigation systems, types of navigation systems, integrated navigation elements, designing elegant navigation systems, Searching systems, searching your web site, designing the search interface, indexing the right stuff, to search or not to search grouping content, conceptual design, high level architecture blueprint. architectural page mockups, design sketches.	10
II	Dynamic HTML and Web Designing: HTML basic concepts, good web design, process of web publishing phases of web site development, structure of HTML documents, HTML elements- core attributes, language attributes, core events, block level events, text level events, linking basics, linking in HTML, images and anchors, anchor attributes, image maps, semantic linking meta information, image preliminaries, image download issues, images and buttons, introduction to layout: backgrounds, color and text, fonts, layout with tables. advanced layout: frames and layers, HTML and other media types. audio support in browsers, video support, other binary formats. style sheets, positioning with style sheets. basic interactivity and HTML: forms, form control, new and emerging form elements.	10
III	Java Server Pages: Basics, integrating scripts in JSPs, jsp objects and components, configuring and troubleshooting, JSP: request and response objects, retrieving the contents of an HTML format, retrieving a query string, working with beans, cookies, creating and reading cookies. using application objects and events. XML: Relationship between HTML, SGML and XML, basic XML, valid documents, ways to use XML, XML for data files, embedding XML into HTML documents. converting XML to HTML for display, displaying XML using CSS and XSL, rewriting HTML as XML, the future of XML.	10
IV	Php Mysql Introduction: What is PHP, history, why choose PHP. Installation: Installation overview, configuration, advantage of PHP over other scripting language, creating a PHP script, handle error in PHP script.	9

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<p>Data Types: variables, strings, string functions, numbers, arrays, array functions, booleans and NULL, type switching and casting, constants.</p> <p>Control Structures: if, else, else-if, and switch statements, logical operators, while, for, for each loops, continue and break statements.</p> <p>Functions: Defining & using functions, returning values from a function, setting global variables, setting default values.</p> <p>Building Web Pages: Links and URLs, using GET values, encoding GET values, encoding for HTML, building forms, setting cookies, establishing sessions, headers and page redirection, including and requiring pages.</p> <p>My SQL Basics: Introduction to web form, My SQL introduction, creating a database in My SQL, populating a My SQL database, Php My Admin, connecting to My SQL with PHP, accessing data in My SQL with PHP.</p>	
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Text Books:

1. Web technology, "**Black Book by Kogent learning Inc**", Dreamtech publication
2. Thomas A Powell, HTML "**The Complete Reference**", Tata McGraw Hill Publications
3. "**HTML 5, Black Book**", Wiley India Publication

Reference Books:

1. Joseph L.Weber, "**Using Java 2 platform**", Prentice Hall of India Pvt Ltd.