WEB TECHNOLOGIES

Category	Hours / Week		Credits	Maximum Marks			
Core	L	Т	Р	С	CIA	SEE	Total
	2	1	-	3	30	70	100
Tutorial Classes: 15	Practical Classes: Nil				Total Classes: 45		
	Core	Core L 2	Core L T 2 1	Core L T P 2 1 -	Core L T P C 2 1 - 3	Core L T P C CIA 2 1 - 3 30	Core L T P C CIA SEE 2 1 - 3 30 70

I. COURSE OVERVIEW:

This course emphasizes on website development, build dynamic and database driven web applications. using tools. Content of this course covers an insight into HTTP communication protocol, the markup languages HTML, DHTML, XML and the CSS for formatting and transforming web content, interactive graphics and multimedia content on the web. It also enriches client-side and server side programming using serves JSP, PHP and connects with Data bases. There is a growing need for management and decision makers to gain a clearer understanding of the application development process, from planning through to deployment and maintenance. It will also give you how you can analyze requirements, plan, design, implement and test arrange of web applications.

II. OBJECTIVES:

The course should enable the students to:

- I The fundamentals of designing static and dynamic web pages using HTML andDHTML for creation of websites.
- II The concepts of client server programming with JavaScript, XML, Servest, JSP and PHP.
- III The project-based experience needed for designing real time web basedclient-server applications.

III. COURE OUTCOMES:

After successful completion of the course, students should be able to:

- CO 1 Demonstrate basic elements of HTML and CSS for designingstatic web pages. Understand
- CO 2 **Develop** effective and interactive web pages using dynamicHTML with java script and XML for Apply client/server based applications.
- CO 3 Make use of Servest and Java Server Pages for server side programming with Model View Apply Control architecture.
- CO 4 Summarize basic concepts of PHP for designing static anddynamic web pages.
- CO 5 **Build** dynamic web pages using XML and PHP with database connectivity to perform CRUD Apply operations and validate using AJAX and Java Script.

Understand

Apply

CO 6 Construct website by using front end and backend endprogramming.

IV. SYLLABUS:

MODULE-I	INTRODUCTION TO WEB TECHNOLOGIES	Classes: 10				
Introduction to html, fundamentals of HTML elements, document body, text, hyperlink, lists, tables, Color and Images, frames, cascading style Sheets: Introduction, defining your own styles, properties and values in styles, style sheets, formatting blocks, and layers; JavaScript: JavaScript basics, variables, string manipulation, mathematical functions, statements, operators, arrays and functions.						
MODULE-II	OBJECTS IN JAVASCRIPT AND XML	Classes: 08				
Objects in JavaScript: Data and objects in JavaScript, regular expressions, exception handling, built-in objects, events; Dynamic HTML with JavaScript: Data validation, opening a new window, Rollover buttons, moving images, multiple pages in a single download, floating logos; XML: Basics XML, document type definition, xml schemas, Document Object Model, presenting XML.						
MODULE-III	SERVLETS AND JSP	Classes: 08				

	of a Servlet, a simple Servlet, the servlet API, the Javax.servlet package, va. served. HTTP package, Handling HTTP requests and responses, usi					
	of a JSP page, JSP processing, declarations, directives, expressions, code substitution in JSP pages, connecting to database in JSP.	nippets, implicit				
MODULE-IV	INTRODUCTION TO PHP	Classes: 10				
Introduction to PHP: Basics of PHP, downloading, installing, configuring PHP, programming in a web environment and the anatomy of a PHP page; Overview of PHP data types and concepts: Variables and data types, operators, expressions and statements, strings, arrays and functions.						
MODULE-V	PHP AND DATABASE ACCESS	Classes: 09				
displaying results	e access: Basic database concepts, connecting to a MySQL database, , modifying, updating and deleting data; MVC architecture: PHP a and XML, PHP and AJAX.					
Text Books:						
2. Jeffrey C K Jac	Veb Programming: Building Internet Applications", Wiley Dream Tech, 2 nd kson, "Web Technologies", Duquesne University, Pearson Education, 3 rd Ed, "The Complete Reference PHP", Tata McGraw-Hill, 1 st Edition, 2007.	Edition, 2002. dition, 2010.				
Reference Books:						
 D.Flanagan, "Ja Jon Duckett, "E 	"Java Server Pages", O Reilly, 3 rd Edition, 2003. va Script", O'Reilly, 6 th Edition, 2011. Beginning Web Programming", WROX, 2 nd Edition, 2008. , "Java the Complete Reference", Tata McGraw-Hill - Osborne, 8 th Edition, 2	2011.				
Web References:						
	lyarthiplus.com/vp/thread-16509.html#.WFzQvVMrLDc .ac.in/centers/uic/docs/courseware/NME2-Notes/Unit1.pdf					
E-Text Books:						
	a.com/en/it-programming-ebooks e-ebooks.net/category/internet-technology					