

<b>1903CS024</b>		<b>WEB TECHNOLOGY</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>C</b>
			<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>
<b>PREREQUISITE:</b>	Basic Computer Knowledge, Networks, Database management systems.					
<b>COURSE OBJECTIVES:</b>						
	1. To impart the new concepts in Web Technologies 2. To develop understanding about the different technologies used in the World Wide Web including XML, Perl and PHP					
<b>Module I</b>	<b>INTRODUCTION</b>					<b>9 Hours</b>
XHTML Evolution of HTML and XHTML- Standard XHTML Document Structure- Basic Text Markup- Images-Hypertext Links-Lists- Tables- Forms- Frames. Cascading Style Sheets Introduction to CSS – Levels of Style Sheets- Style Specification Formats- Selector Forms- Property Value Forms – Font Properties- List Properties – Color- Alignment of Text – Background Images- Span and Div Tags.						
<b>Module II</b>	<b>XML</b>					<b>9 Hours</b>
Introduction to SGML – features of XML - XML as a subset of SGML – XML Vs HTML – Views of an XML document - Syntax of XML- XML Document Structure – Namespaces- XML Schemas- simple XML documents – Different forms of markup that can occur in XML documents - Document Type declarations – Creating XML DTDs – Displaying XML Data in HTML browser						
<b>Module III</b>	<b>PERL</b>					<b>9Hours</b>
Origin and Use of Perl- Scalars and their Operations – Assignment Statements and Simple Input and Output – Control Statements- Fundamentals of Arrays – Hashes - Functions- Pattern Matching– Simple programs in Perl -Using Perl for CGI Programming.						
<b>ModuleIV</b>	<b>PHP</b>					<b>9Hours</b>
Origin and Use of PHP- Overview of PHP- General Syntactic Characteristics Operations and Expressions- Control Statements- Arrays- Functions-Pattern Matching- Form Handling- Files-Cookies-Session Tracking						
<b>ModuleV</b>	<b>MySQL</b>					<b>9 Hours</b>
Basics, query design & functions, database operations, procedures, simple programs in php and mysql.						
					<b>Total:</b>	<b>45 Hours</b>
<b>COURSE OUTCOMES:</b>						
	After completion of the course, Students will be able to					
C01	Develop web pages using basic HTML					
C02	Apply XML techniques in web design					
C03	Implement CGI using Perl					
C04	Understand the functionality and utility of PHP along with usage of syntax, variables and Data types.					
C05	Implement PHP & MySQL database connectivity for real world applications					
<b>References:</b>						
1. Deitel&Deitel, Nieto, Lin, Sadhu, XML How to Program, Pearson Education ,New Delhi, 2016						
2. Kogent Learning Solutions Inc, Web Technologies Black Book, Dreamtech Press, New Delhi, 2013						
3. Chris Bates, Web Programming Building Internet Applications 3rd ed., Wiley India Edition, New Delhi, 2012						
4. Phil Ballard, Michael Moncur, Sams Teach Yourself Ajax, JavaScript and PHP, Pearson Education ,New Delhi, 2012						
5. Achyut S Godbole , Atul Kahate, Web Technologies TCP/IP Architecture and Java Programming, 2nd ed., Tata McGraw Hill Education Private Limited, New Delhi, 2015						
6. Pankaj Sharma, Introduction to Web Technology, Katson Books, New Delhi, 2014						
7. Bankim Patel, Lal Bihari Barik, Introduction to Web Technology & Internet, Acme Learning Private Limited, New Delhi, 2015						