



BAPATLA ENGINEERING COLLEGE:: BAPATLA (Autonomous)

Web Technologies Lab					
II B.Tech–IV Semester (Code: 20CSL402)					
Practicals	:	3 Hours/Week	Continuous Assessment	:	50
Final Exam	:	3 hours	Final Exam Marks	:	50
Pre-Requisite: None.					
Course Objectives:					
CO1	Know elements and tags of HTML and apply Styles using Cascading Style Sheets.				
CO2	Know basics of Java Script, Functions, Events, Objects and Working with browser objects.				
CO3	Know basics of XML, DOM and advanced features of XML.				
CO4	To convert XML documents into other formats and XSLT.				
Course Outcomes: Students will be able to:					
CLO-1	Analyze a web page and identify its elements and attributes				
CLO-2	Create web pages using XHTML and Cascading Styles sheets.				
CLO-3	Build dynamic web pages using JavaScript (client side programming).				
CLO-4	Students will be able to write a well formed / valid XML documents				
CLO-5	Understand Web server and its working				
CLO-6	Design and implement a client-server internet application that accommodates specific requirements and constraints.				
LIST OF EXPERIMENTS					
1. Write HTML5 document to design a webpage. (Using all fundamental elements, Organizing text, Links, URLs and Tables).					
2. Write HTML5 document to design a webpage. (Using Images, Colors, Canvas & Forms).					
3. Write codes for different types of styles in CSS3.					
4. Write java scripts covering Function, Arrays and Events.					
5. Demonstrate JavaScript objects.					
6. Demonstrate browser objects.					
7. Demonstrate Document Object Model for an HTML document.					
8. Write well-formed and valid XML documents.					
9. Write code for converting XML document to HTML using XSLT.					
10. Build a webpage using JQuery and its components.					
Text Books :					
1. Kogent Learning Solutions Inc.,HTML5 Black Book:CoversCSS3,Javascript,XML,XHTML,Ajax,PHPandJquery.					
References :					
1. Harvey M. DeitelandPaulJ.Deitel,“Internet &World Wide Web How toProgram”,4/e, Pearson Education.					
2. Joshua Elchorn,“Understanding AJAX”, Prentice Hall 2006.					