

16MA302	ADVANCE WEB TECHNOLOGY			3/0/0/3
PREREQUISITES: Basic of web technology				
COURSE OBJECTIVES				
<div><div></div><div><div>1. Demonstrate an understanding of the steps involved in producing a dynamic multi-page website.</div><div>2. Understand basics of server side technologies and apply them to develop dynamic web applications.</div></div></div>				
COURSE OUTCOMES				
<div><div></div><div><div>1. Understand, analyze and create web pages using HTML, DHTML and Cascading Styles sheets.</div><div>2. Understand, analyze and build dynamic web pages using AJAX,JSON and JQuery</div><div>3. Understand, analyze and create XML documents and XML Schema.</div><div>4. Understand, analyze and build and consume web services.</div></div></div>				
COURSE CONTENTS				
UNIT NO.	TOPICS	TEXT BOOK	PAGES	LECTURE HOURS
I	Introducing the Web, HTML and XHTML	T1	3,5,15	2
	HTML Tags and Document Creation	T1	15-17	2
	HTML/ XHTML Authoring Fundamentals- Images, Page layout with tables, Frames, Forms, Multimedia	T1	91-110, 173-250	2
	Controlling presentation with CSS	T1	267-281	3
II	Dynamic DHTML	T1	401-427	1
	Dynamic DHTML- Advanced web Authoring- Javascript	T1	429-446	2
	Dynamic HTML with CSS	T1	449-467	2
	Database driven web publishing	T1	479-493	2
	Creating a Weblog	T1	495-504	1
III	Introduction to XML	T1	505-510	1
	Document type Definitions	T1	513-518	1
	XML Schemas	T1	519-522	1
	Processing XML	T1	523-543	1
	XML implementation	T1	543-546	1
	JQuery basics	T3	1-6	1
	JQuery attributes,selectors	W2	7-51	1
	JQuery DOM traversing	T3	10-30	2
IV	Introduction to AJAX	T2	3-14	1
	Understanding Java script for AJAX	T2	19-48	2
	XMLHttpRequest Object	T2	61-73	2
	Fundamental of JSON	T2	400-409	2
	JSON with AJAX	T2	411-438	2
V	Testing and Validating your Documents	T1	549-553	1
	Web Development Software	T1	555-565	2
	Choosing a Service Provider	T1	567-572	2
	Uploading your site with FTP	T1	575-581	2

	Publishing and Maintaining your site	T1	583-600	2
	Recent trends: MVC architecture Angular JS1	W1		1
TOTAL LECTURE HOURS:45				
TEXT BOOKS:				
<ol style="list-style-type: none"> 1. Bryan Pfaffenberger, Steven M.Schafer, Chuck White and Bill Karow “HTML,XHTML & CSS Bible” Willey ,2015 2. Kogent “Ajax Black book” , dreamtech publications, 2011 3. jQuery Community Experts “jQuery Cook book “, Oreilly ,2010 				
REFERENCE BOOKS:				
<ol style="list-style-type: none"> 1. Chris Bates, “Web Programming Building Internet Application”, John Wiley and Sons, 2006. 				
WEB REFERENCES:				
<ol style="list-style-type: none"> 1. www.w3schools.com 2. http://www.tutorialspoint.com/jquery/jquery_tutorial.pdf 				