

Siruseri IT park, OMR, Chennai - 603103

LESSON PLAN

Department of Computer Science & Engineering
Internet Programming

Name of the

CS8651

Name of the

Mr. G Rama Mohan Reddy

Year / Sem

III/VI

1. Understand different Internet Technologies

2 Learn Java Programming.

Not exposed to java specific web services architecture.

4.Lern about PHP and XML

5. Understand the AJAX

Course Outcome

Upon completion of the course, the students will be able to:

Construct a basic website using HTML and Cascading Style Sheets.

Build dynamic web page with validation using Java Script objects and by applying different event handling mechanisms.

Develop server side programs using Servlets and JSP.

Construct simple web pages in PHP and to represent data in XML format.

Use AJAX and web services to develop interactive web applications

Sl. No.	Topic(s)	T / R* Book	Periods Required	Mode of Teaching (BB / PPT /	Blooms Level (L1-L6)	CO	PO
UNIT-1	WEBSITE BASICS, HTML 5, CSS 3, WEB 2.0						
1	Web Essentials: Clients, Servers and Communication	T1	2	PPT	L1	CO1	PO1
2	The Internet – Basic Internet protocols: World wide web – HTTP Request Message	T1	1	BB	L2	CO1	PO1
3	HTTP Response Message, Web Clients – Web Servers	T1	1	BB	L1	CO1	PO1-PO2
4	Exception handling – Introduction to Threads, HTML5 – Tables – Lists – Image	T1	1	BB	L3	CO1	PO1-PO3
5	Streams and I/O – Applets, Drag and Drop – Audio – Video controls	T1	1	BB	L1	CO1	PO1-PO2
6	CSS3 – Inline, embedded and external style sheets	T1	1	BB	L3	CO1	PO1-PO2
7	Rule cascading – Inheritance – Backgrounds – Border Images	T1	1	BB	L1	CO1	PO1-PO2
8	Colors – Shadows – Text – Transformations – Transitions – Animations	T1	1	BB	L3	CO1	PO1-PO2

Suggested Activity: Assignment / Case Studies / Tutorials/ Quiz / Mini Projects / Model Developed/others Planned if any:Quiz

Evaluation method

CLIENT SIDE PROGRAMMING

9	Java Script: An introduction to JavaScript	T1	1	BB	L2	CO2	PO1
10	JavaScript DOM Model-Date and Objects	T1	1	PPT	L2	CO2	PO1-PO2
11	Regular Expressions- Exception Handling	T1	2	PPT	L3	CO2	PO1-PO3
12	Validation-Built-in objects	T1	2	BB	L3	CO2	PO1-PO2
13	Event Handling; DHTML with JavaScript	T1	2	PPT	L3	CO2	PO1-PO3
14	JSON introduction – Syntax – Function Files – Http Request –SQL	T1	1	PPT	L3	CO2	PO1-PO2

Suggested Activity: Assignment / Case Studies / Tutorials/ Quiz / Mini Projects / Model Developed/others Planned if any:Quiz

Evaluation method	Students will be evaluated on the basis of their participation in the class, their understanding of the concepts, and their ability to apply the concepts to solve problems. The evaluation will be done through a combination of class participation, quizzes, and a final exam.
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SERVER SIDE PROGRAMMING

15	Servlets: Java Servlet Architecture- Servlet Life Cycle	T1	1	BB	L1	CO3	PO1
16	Form GET and POST actions; Session Handling	T1	1	PPT	L3	CO3	PO1
17	Exception Handling-Validation-Built-in objects	T1	1	BB	L2	CO3	PO1-PO3
18	Understanding Cookies- Installing and Configuring Apache Tomcat Web Server	T1	1	PPT	L3	CO3	PO1-PO4
19	DATABASE CONNECTIVITY: JDBC perspectives, JDBC program example	T1	1	BB	L4	CO3	PO1-PO5
20	JSP: Understanding Java Server Pages-JSP Standard Tag Library (JSTL)	T1	2	PPT	L4	CO3	PO1-PO4
21	Creating HTML forms by embedding JSP code	T1	2	BB	L4	CO3	PO1-PO6

Suggested Activity: Assignment / Case Studies / Tutorials/ Quiz / Mini Projects / Model Developed/others Planned if any: Assignment	
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Suggested Activity:	
Evaluation method:	

PHP and XML

22	An introduction to PHP: PHP- Using PHP- Variables	T1	1	BB	L1	C04	P01
23	Program control- Built-in functions: Form Validation	T1	1	BB	L4	C04	P01-P03
24	Regular Expressions - File handling - Cookies - Connecting to Database	T1	1	BB	L4	C04	P01-P03
25	XML: Basic XML- Document Type Definition	T1	1	BB	L4	C04	P01-P04
26	XML Schema DOM and Presenting XML	T1	1	BB	L4	C04	P01-P05
27	XML Parsers and Validation	T1	2	BB	L4	C04	P01-P05
28	XSL and XSLT Transformation, News Feed (RSS and ATOM)	T1	2	BB	L3	C04	P01-P03

Suggested Activity: Assignment / Case Studies / Tutorials/ Quiz / Mini Projects / Model Developed/others Planned if any:Assignment									
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Suggested Activity:
Evaluation method:

INTRODUCTION TO AJAX and WEB SERVICES

WEB SERVICES							
29	AJAX: Ajax Client Server Architecture-XML Http Request Object	T1	1	BB	1.3	CO5	PO1
30	Call Back Methods; Web Services: Introduction	T1	2	BB	1.3	CO5	PO1-PO3
31	Java web services Basics – Creating, Publishing, Testing and Describing a Web services	T1	2	BB	1.4	CO5	PO1-PO5
32	Consuming a web service	T1	2	BB	1.4	CO5	PO1-PO5
33	Database Driven web service from an application –SOAP	T1	2	PPT	1.4	CO5	PO1-PO5

Suggested Activity: Assignment / Case Studies / Tutorials/ Quiz / Mini Projects / Model Developed/others Planned if any:Assignment									
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Suggested Activity: Assignment / Case Study				
Evaluation method	web services	Creating		

1. Explain in detail about real time hosting.

Text Books

1	Deitel and Deitel and Nieto, —Internet and World Wide Web - How to Program ,Prentice Hall, 5th Edition, 2011.
2	Herbert Schildt, “Java-The Complete Reference”, Eighth Edition, Mc Graw Hill Professional, 2011.

Reference Books

- 1 Stephen Wykoop and John Burke —Running a Perfect Website||, QUE, 2nd Edition,1999.
- 2 Chris Bates, Web Programming – Building Intranet Applications, 3rd Edition, Wiley Publications, 2009.
- 3 Jeffrey C and Jackson, —Web Technologies A Computer Science Perspective||, Pearson Education, 2011.
- 4 Gopalan N.P. and Akiandeswari J., —Web Technology||, Prentice Hall of India, 2011.
- 5 UttamK.Roy, —Web Technologies||, Oxford University Press, 2011.

Website / URL, References

1	https://www.tutorialspoint.com
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2		Blooms Level																	
Level 1 (L1) : Remembering					Lower Order Thinking					Fixed Hour Exams	Level 4 (L4) : Analysing						Higher Order Thinking	Projects / Mini Projects	
Level 2 (L2) : Understanding											Level 5 (L5) : Evaluating								
Level 3 (L3) : Applying											Level 6 (L6) : Creating								
Mapping syllabus with Bloom's Taxonomy LOT and HOT																			
Unit No	Unit Name					L1	L2	L3	L4	L5	L6	LOT		HOT	Total				
Unit 1	WEBSITE BASICS, HTML 5, CSS 3, WEB 2.0					5	1	3	0	0	0	9		0	9				
Unit 2	CLIENT SIDE PROGRAMMING					0	2	7	0	0	0	9		0	9				
Unit 3	SERVER SIDE PROGRAMMING					1	1	2	5	0	0	4		5	9				
Unit 4	PHP and XML					1	0	2	7	0	0	3		6	9				
Unit 5	INTRODUCTION TO AJAX and WEB SERVICES					0	0	3	6	0	0	3		6	9				
Total					7	4	17	18	0	0	28		17	45					
Total Percentage					15.56	8.9	37.78	40.00	0	0	62.22		37.78	100					
CO PO Mapping																			
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1		PSO2				
CO1	3	3	3	2	0	0	0	0	0	0	0	3			2				
CO2	3	3	3	2	0	0	0	0	0	0	0	3			2				
CO3	3	3	3	3	2	2	0	0	0	0	0	3			2				
CO4	3	3	3	3	2	2	0	0	0	0	0	2			2				
CO5	3	3	3	3	2	2	0	0	0	0	0	2			3				
Avg	3	3	3	2.5															
Justification for CO-PO mapping																			
CO1	Students get the ability to know the HTML,CSS elements																		
CO2	Students be able to apply the basics concepts of JavaScript.																		
CO3	Students able to understand the concepts of JDBC																		
CO4	Students can analyze of PHP and XML elements																		
CO5	Students able to understand the basic concept of AJAX and WEB SERVICES applications																		
3	High level					2					Moderate level					1	Low level		
Name & Sign of Subject Expert : G Rama Mohan Reddy																			
Head of the Department :CSF																			

