

20CP305P					Introduction to Web Technology LAB					
Teaching Scheme					Examination Scheme					
L	T	P	C	Hrs/Week	Theory			Practical		Total Marks
					MS	ES	IA	LW	LE/Viva	
0	0	4	2	4	--	--	--	50	50	100

COURSE OBJECTIVES

- Learn fundamentals of web development.
- Design the front-end of webpages.
- To introduce Client side scripting with Javascript.
- To introduce Server side programming with PHP and JSP.
- Demonstration of the data communication using AJAX, JSON and XML

Experiment Sessions using Programming would be based on following topics:

HTML, CSS, Javascript, PHP, XML Data Handling, AJAX technology, JSON objects, JSP

List of Experiments

1. Design the front pages of a website using HTML and CSS properties
2. Create the interactive webpages using Javascript
3. Install the LAMP stack
4. Implement the server-side scripting using PHP language
5. Create a web page that retrieves and displays information from the XML file.
6. Create a web page that retrieves and displays information from a JSON file.
7. Implement the web applications using PHP and add the AJAX feature into it.
8. Design the webpages using JSP

COURSE OUTCOMES

On completion of the course, student will be able to

CO1 – Learn the Web Design Concepts including WWW, HTTP protocol and Browser.

CO2 – Understand the design and style concepts of webpages using HTML and CSS

CO3 – Implement Javascript functionality to make interactive webpages

CO4 – Illustrate server side scripting with PHP and JSP.

CO5 – Assess the data communication delay between webserver and client using AJAX with XML and JSON.

CO6 – Build a complete web solution for a given problem statement

TEXT/REFERENCE BOOKS

1. Laura Lemay, Rafe Colburn, Jennifer Kyrnin, Teach Yourself HTML, CSS & JavaScript Web publishing, Pearson Education, 2015
2. Steven Holzner, *The Complete Reference PHP*, Tata McGraw-Hill, 2008
3. Lorna Jane Mitchell, *PHP Web Services*, O'Reilly Media, 2013
4. Hans Bergsten, *Java Server Pages*, O'Reilly, 2003

END SEMESTER EXAMINATION QUESTION PAPER PATTERN

Max. Marks: 100

Part A: Evaluation Based on the class performance and Laboratory book

Part B: Viva Examination based conducted experiments

Exam Duration: 2 Hrs

50 Marks

50 Marks