Pandit Deendayal Energy University   School of Technology

Code: 23CP306T					Introduction to Web Technology					
Teaching Scheme					Examination Scheme					
L	T	P	C	Hrs/Week	Theory			Practical		Total Marks
					MS	ES	IA	LW	LE/Viva	
1	0	0	1	1	25	50	25	-	-	100

COURSE OBJECTIVES
 ➢ To provide strong foundation on web technologies and application area related to it
 ➢ Understand the underlying core concepts and emerging technologies in web technology to apply in real life problem statement.

UNIT 1 PAGE LAYOUT USING HTML5 & CSS3
    Introduction of HTML
    HTML Tags and their properties
    Introduction of CSS
    Types of CSS – INLINE,EMBEDED,LINKED/EXTERNAL AND IMPORTED
    CSS Properties and values
   Using CSS and HTML TAGS for creating web page layout
	3 Hrs.

UNIT 2 CLIENT SIDE PROGRAMMING USING JAVASCRIPT
    Introduction of JavaScript
    JavaScript Tokens-Identifiers, Keywords, Literals, Operators, Symbols
    JavaScript Functions – Built-in functions & User-defined functions
    Using Objects and Events
   Using JavaScript in Website.
	2 Hrs.

UNIT 3 SERVER SIDE TECHNOLOGIES
    Introduction to PHP, variable declarations, functions, class. Form Handling, Validations, File Uploads, Cookies, Sessions, Error Handling
    Introduction to JSP, variable declarations, functions, class. Form Handling, Validations, File Uploads, Cookies, Sessions, Error Handling
	5 Hrs.

UNIT 4 SERVER SIDE LANGUAGES WITH DATABASES Connecting to Database, CRUD operations with Database	3 Hrs.
	Max. Hrs. 13

COURSE OUTCOMES
On completion of the course, student will be able to
CO1- Explore the fundamental concepts of web technologies
CO2- Implement interactive web page(s) using HTML, CSS and JavaScript
CO3- Design a responsive web site using HTML5 and CSS3
CO4- Build Dynamic website using server-side PHP and JSP Programming
CO5- Build the integration of databases using PHP/JSP
CO6- Apply the application of data driven solutions in the real world problem

TEXT/REFERENCE BOOKS
Text Book:
  1. Kogent Learning Solutions Inc., Web Technologies Black Book, Dreamtech Press, 2009.
  2. P.J.Deitel, H.M.Deitel, Internet and World Wide Web: How to program, Third Edition, Pearson publication.
  3. U. K. Roy, Web Technologies, First Edition, Oxford Higher Education

END SEMESTER EXAMINATION QUESTION PAPER PATTERN

Max. Marks: 100   Exam Duration: 3 Hrs

Part A: 10 Questions of 2 marks each-No choice   20 Marks
Part B: 2 Questions from each unit with internal choice, each carrying 20 marks   80 Marks