DPU

Dr.D.Y.Patil Institute of Technology, Pimpri, Pune-411018

LABORATORY PLANNING:TE(SEM-II)

Class: TE (2015 Course)

Semester and Year: Semester II 2017-18

Lab Subject:310246: Web Technology Lab

Teaching Scheme: PR: 02 Hour/Week

Credits: 01

Examination Scheme: TW: 25 Marks
PR: 50 Marks

Assignment Number /Experiment Number	Name of the Assignment /Experiment	References
1.	Installation of TOMCAT/ WebSphere/JBoss/GlassFish Server and configuration of it	T1,T2,R1
2.	Write a program to design registration form for students by using HTML and CSS.	T1,T2,R3,R4
3.	Write a program to design book catalog by using XML and CSS to display tile, author,price and year of the book	T1,T2,R3,R4
4.	Write a program to design registration form for students by using HTML, CSS& Java Script and perform following validations: all fields mandatory, phone number and email address validation	T1,T2,R3,R4
5.	Design and Build Student Login Page using JSP, Servlet and MySQL.	T1,T2,R3,R4,R5, R6
6.	Design and develop dynamic web application using PHP and MySQL as a back-end for employee data with insert, delete, view and update operations.	T1,T2,R4,R5,R6
7.	Design and develop dynamic web application using PHP, AJAX and MySQL as a backend for employee data with insert and view operations.	T1,T2,R4,R5,R6
8.	Create a login module for the web application using struts framework..	T1,T3,T4,R3,R4
9	Create an application for Bill Payment Record using AngularJS.	T1,T2,T3,T4,R1, R3
10	Design, Develop & Deploy web application using EJB.	T1,T2,R3, R7,R8

Text Books

1.Achyut Godbole & Atul Kahate, "Web Technologies: TCP/IP to Internet Application Architectures", McGraw Hill Education publications, ISBN, 007047298X, 9780070472983
2. Ralph Moseley & M. T. Savaliya, "Developing Web Applications", Wiley publications, ISBN 13 : 9788126538676

Reference Books:

1. Aleksa Vukotic and James Goodwill, "Apache Tomcat 7", Apress, 2011, ISBN: 10: 1430237236
2. Bryan Basham, Kathy Sierra, Bert Bates, "JSP: Passing the Sun Certified Web Component Developer Exam", O'Reilly Media ISBN: 978-0-596-51668-0
3. Chirag Rathod, Jonathan Wetherbee, Peter Zadrozny, and Raghu R. Kodali, "Beginning EJB 3: Java EE 7 Edition", Apress, 2013, ISBN : 9781430246923
4. Richard Monson-Haefel, "J2EE Web Services", Addison-Wesley Professional, First Edition, 2004, ISBN: 10: 0321146182
5. Chuck Cavaness, "Programming Jakarta Struts", O'relly Media, second edition 2004, ISBN: 978-0-596-00651-8;
6. Michael Morrison, Lynn Beighley, "Head First PHP & MySQL: A Brain-Friendly Guide", O'relly Media, second edition 2008, ISBN :13: 9788184046588
7. Dan Rahmel, "Advanced Joomla!", Apress, First Edition, 2013, ISBN: 13: 9781430216285
8. Iwein Fuld, Marius Bogoevici, Mark Fisher, Jonas Partner", Spring Integration in Action", Manning, 2012, ISBN : 13: 9781935182436.

Course Objective:

- To understand the principles and methodologies of web based applications development process
- To understand current client side and server side web technologies
- To understand current client side and server side frameworks
- To understand web services and content management

Course Outcome:

On completion of the course, student will be able to–
- analyze given assignment to select sustainable web development and design methodology
- develop web based application using suitable client side and server side web technologies
- develop solution to complex problems using appropriate method, technologies, frameworks, web services and content management

Vaibhav Muddebihalkar   **Prof. Pramod Patil**

 (Lab Incharge)   **HOD, Comp**