

**PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY, KANURU, VIJAYAWADA
(AUTONOMOUS)
INFORMATION TECHNOLOGY**

WEB TECHNOLOGIES LAB

Course Code	20IT3552	Year	III	Semester	I
Course Category	PC	Branch	IT	Course Type	Lab
Credits	1.5	L-T-P	0-0-3	Prerequisites	JAVA
Continuous Internal Evaluation :	15	Semester End Evaluation:	35	Total Marks:	50

Course Outcomes		Blooms Level
Upon Successful completion of course, the student will be able to		
CO1	Design and develop web applications using HTML, CSS, Java script, XML in a team environment.	L3
CO2	Develop web applications using JDBC	L3
CO3	Design and Develop applications using servlets	L3
CO4	Develop Server side programming that demonstrate the advanced Java Concepts(JSP)	L3

Contribution of Course Outcome towards achievement of Program Outcomes & Strength of correlations (H:High,M:Medium,L:Low)														
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2
CO1			3		3							2	3	3
CO2			3		3							2	3	3
CO3			3		3							2	3	3
CO4			3		3							2	3	3

Exercise No	Exercise	Mapped CO
1	Design web applications using static HTML tags.	CO1
2	Design web pages using different types of CSS.	CO1
3	Apply Client side validations using JavaScript.	CO1

4	Create and save an XML document at the server, which contains information of multiple users. Write a program which takes User Id as input and returns the user details by taking the user information from the XML document.	CO1
5	Create dynamic application using JDBC.	CO2,CO3
6	Create different web applications using servlets	CO2,CO3
7	Authentication using JSP	CO2,CO4
8	Develop JSP application using JSTL and Custom Tags.	CO4
9	Students are encouraged to propose innovative ideas in the field of E- Commerce as projects. (Online banking, online job portal, online library, online ticket reservation, online banking etc..).(optional)	CO1-CO4

Learning Resources	
Textbooks	
1. WebTechnologies,BlackBook,KogentLearningSolutionsInc,DreamtechPress, 2018. 2. JDBC, Servlets, and JSP, New Edition, Santhosh Kumar K, Kogent Learning Solutions Inc, Dreamtech Press, 2018.	
References	
1. Core Servlets and Java Server Pages Volume 2 Core Technologies, Second Edition, Marty Hall and Larry Brown Pearson 2. Professional Java Server Programming S.Allam Raju and others Apres(dreamtech) 3. Java Server Programming, Ivan Bayross and others, The XTeam, SPD 4. Beginning Web Programming-Jon Duckett WROX, 2013,SecondEdition.	
e-Resources and other Digital Material	
1. http://nptel.ac.in/courses/106105084/13 2. http://www.w3schools.com/ 3. https://www.javatpoint.com/html-tutorial	