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

WEB TECHNOLOGIES LAB

Course Code	19IT3652	Year	II	Semester	I
Course Category	PC Lab	Branch	IT	Course Type	Theory
Credits	1.5	L-T-P	0-0-3	Prerequisites	JAVA
Continuous Internal Evaluation :	25	Semester End Evaluation:	50	Total Marks:	75

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.	**L6**
CO2	Develop Server side programming that demonstrate the advanced Java concepts(JDBC, Servlets, JSP)	**L6**

Contribution of Course Outcomes 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	PSO1	PSO2
CO1			2		2								2	2
CO2			2		2								2	2

Exercise No	Exercise	Mapped CO
1	Design and development of Online Book Shop	CO1
2	Write an HTML page that contains a selection box with a list of 5 countries. When the user selects a country, its capital should be printed next to the list. Add CSS to customize the properties of the font of the capital (color, bold and font size).	CO1
3	Create and save an XML document at the server, which contains 10 users information. Write a program which takes User Id as input and returns the user details by taking the user information from the XML document	CO1
4	Write a HTML page that has one input, which can take multi-line text and a submit button. Once the user clicks the submit button, it should show the number of characters, words and lines in the text entered using an alert message. Words are separated with white	CO1

	spaces and lines are separated with new line character.	
5	Create dynamic application using JDBC and Servlet	CO2
6	Authentication using Java Servlet	CO2
7	Authentication using JSP	CO2
8	Develop JSP application using JSTL and Custom Tags.	CO2
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)	CO2

Learning Resources

Text books

1. Web Technologies, Black Book, Kogent Learning Solutions Inc, Dreamtech Press, 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.AllamRaju and othersApres(dreamtech)
3. Java Server Programming ,IvanBayross and others,The X Team,SPD
4. Beginning Web Programming-Jon Duckett WROX, 2013, Second Edition.

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