Web Application Development Lab

Course Code	19CS3652	Year	III	Semester	II
Course Category	Program Core La	Branch	CSE	Course Type	Practical
Credits	1	L-T-P	3-0-0	Prerequisites	JAVA
Continuous Internal Evaluation :	25	Semester End Evaluation:	50	Total Marks:	75

Course Outcomes					
Upon successful completion of the course, the student will be able to					
CO1 Apply web technologies to develop applications.					
CO2	CO2 Implement various applications as an individual or team member -				
CO3	Develop an effective report based on various programs implemented	-			
CO4	Apply technical knowledge for a given problem and express with an effective oral communication	L3			
CO5	Analyze outputs of web based applications	L4			

	Contribution of Course Outcomes towards achievement of Program Outcomes & Strength of correlations (3:Substantial, 2: Moderate, 1:Slight)													
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3					1	1					2	1	1
CO2					3				3					
CO3										3				
CO4	3									3				
CO5		3												

Syllabus						
Expt.	Contents	Mapped CO				
1	Design static web sites with html tags by taking different examples.	CO1, CO2, CO3, CO4, CO5				
2	Design web pages using different types of CSS.	CO1, CO2, CO3, CO4, CO5				
3	Apply Client side validations using JavaScript	CO1, CO2, CO3, CO4, CO5				
4	Create an XML file for student/employee/book data and validate against DTD	CO1, CO2, CO3, CO4, CO5				
5	Develop different JDBC applications to interact with database.	CO1, CO2, CO3, CO4, CO5				
6	Create different web applications using servlets	CO1, CO2, CO3, CO4, CO5				
7	Develop different web applications using JSP	CO1, CO2, CO3, CO4, CO5				
8	Build web applications (case studies) based on the choice of student/faculty	CO1, CO2, CO3, CO4, CO5				

Learning	Resources
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Text Books

- 1. Web Technologies, Black Book, Kogent Learning Solutions Inc, Dreamtech Press, 2009
- 2. JavaServer Pages, Hans Bergsten, Thirrd Edition, 2017, O,, Reilly Media

Reference Books:

- 1. The Complete reference to J2EE, Jim Keogh, 2017, Tata McGrawHill.
- 2. Advanced Java 2 Platform How to Programl, H. M. Deitel, P.J. Deitel, S.E. Santry, Third Edition, 2016, Prentice Hall Publications.
- 3. Java Servlet Programming, Jason Hunter, William Crawford, Second edition, 2003 O'Reilly.

e- Resources & other digital material

- 1. www.w3schools.com
- 2. Prof. I. Sengupta. (14th, May, 2017), Department of Computer Science & Engineering, I.I.T., Kharagpur, "Internet Technologies", NPTEL videos.