

Syllabus		
Expt. No.	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
Text Books
1. Web Technologies, Black Book, Kogent Learning Solutions Inc, Dreamtech Press, 2009 2. JavaServer Pages, Hans Bergsten, Third 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 Program, 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.