

PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY(Autonomous)
KANURU, VIJAYAWADA
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Full Stack Web Development Lab
(Minor in CSE)

Course Code	23CS5751	Year	IV	Semester	I
Course Category	Minors	Branch	CSE	Course Type	Practical
Credits	1.5	L – T – P	0-0-3	Prerequisites	Programming with Java
Continuous Evaluation:	30	Semester End Evaluation:	70	Total Marks:	100

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

Syllabus		
Experiment 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 databases.	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.	