SWARNANDHRA
COLLEGE OF ENGINEERING & TECHNOLOGY
(AUTONOMOUS)
Accredited by National Board of Accreditation, AICTE, New Delhi,Accredited by NAAC with "A" Grade – 3.32 CGPA,Recognized under 2(f) & 12(B) of UGC Act 1956, Approved by AICTE, New Delhi,Permanent Affiliation to JNTUK, Kakinada Seetharampuram, W.G.DT., Narsapur-534280, (Andhra Pradesh)

DEPARTMENT OF INFORMATION TECHNOLOGY
TEACHING PLAN

Course Code	Course Title	Semester	Branch	Contact Periods /Week	Academic Year	Date of commencement of Semester
20IT5L02	Web Technologies Lab	5	IT	3 Periods	2024-25	05/06/24

COURSE OUTCOMES

1	Distinguish various static web pages and dynamic web pages using html,xml and JavaScript.
2	Construct and review on database connectivity.
3	Design web applications using servlets &jsp using oracle database connectivity.
4	Design and implement the web application projects.

Experiment Number	Experiment	Contact Hours
1	Create a simple webpage using HTML	2
2	Use frames to Include Images and Videos.	2
3	Add a Cascading Style sheet for designing the web page	2
4	Design a dynamic web page with validation using JavaScript.	2
5	Design an HTML having a text box and four buttons viz Factorial, Fibonacci, Prime, and Palindrome. When a button is pressed an appropriate javascript function should be called to display a. Factorial of that number b. Fibonacci series up to that number c. Prime numbers up to that number d. Is it palindrome or not	2
6	Write java script programs to demonstrate a. Math Object with at least five methods. b. String Object with at least five methods. c. Array Object with at least five methods. d. Date Object with at least five methods.	2
7	Write JavaScript programs on Event Handling a. Validation of registration form. b. Open a Window from the current window c. Change color of background at each click of button or refresh of a page d. Display calendar for the month and year selected from combo box e. On Mouse over event	2

8	a) Design an XML document to store information about a student in Swarnandhra Engineering college. The information must include Student ID, Name, Name of the College, Brach, Year of Joining, and e-mail id. Make up sample data for 3 students. b) Create a CSS style sheet and use it to display the document. c) Create an XSLT style sheet for one student element of the above document and use it to create a display of that element.	2
9	Write a java program to connect to a database server using JDBC and insert 10 students information of user choice in to student table	2
10	Write a java program to display all records in the student table	2
11	Develop a simple Servlet to display Welcome to Servlet	2
12	Develop a Servlet to validate username and password with the data stored in Servlet configuration file. Display authorized user if she/he is authorized else display unauthorized user	2
13	Write JSP Program to store student information sent from registration page into database table.	2
14	Develop a program to validate username and password that are stored in Database table using JSP	2
15	Write appropriate JSP pages to insert, update and delete data in student table in a single application with proper linking of JSP pages and session management	2
CUMULATIVE PROPOSED PERIODS		**30**

		Name	Signature with Date
i.	Faculty	Mrs.J.N.D.Lakshmi	J.N-D 05/06/24
ii.	Module Coordinator	Mr. K.Bhanu Chandu	K Bhan
iii.	Programme Coordinator	Dr.RVVSV Prasad	RVSVprasad 5/6/24

Principal