



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
23ITL01	ADVANCED JAVA LAB	5	IT	3 Periods	2025-2026	09-07-2025
COURSE OUTCOMES						
1	To make use of Servlet and JSP API in the process of enterprise application deployment.					
2	Implement components such as JSTL.					
3	Distinguish Application Server, Web Container, JDBC.					
4	Design and Development of web application having collaboration of Servlets, JSPs, Spring.					
Experiment Number	Experiment					Contact Hours
1	Write a JDBC application which will interact with Database and perform the following task. - Create Student Table with Roll No, Name, and Address field and insert few records. - Using Statement Object display the content of Record. - Using Statement Object Insert Two Record. - Using Statement Object Update and delete One Record. - Using Statement Object display the content of Record.					3
2	Write a JDBC application which will interact with Database and perform the following task. - Create Student Table with Roll No, Name, and Address field and insert few records. - Using Prepared Statement Object display the content of Record. - Using Prepared Statement Object Insert, Update and Delete operations for two Records.					3
3	Write a JDBC application which will interact with Database and perform the following task. - Create a store procedure which will insert one record into employee table and retrieve salary for given employee id. - Write a java application which will call the above procedure and display appropriate information on screen.					2



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4	Design a JDBC application which will demonstrate Scrollable Result Set functionality	2
5	Design a JDBC application which will demonstrate Updatable Result Set functionality.	2
6	Write down the Program for testing the Servlet and study deployment descriptor.	2
7	Write down the program for testing the include action for servlet collaboration.	2
8	Create login form and perform state management using Cookies, Http Session and URL Rewriting.	2
9	Write down the Program which displays the simple JSP file.	2
10	Write down the program in which input the two numbers in an html file and then display the addition in JSP file.	2
11	Perform Database Access through JSP.	2
12	Write down a program which demonstrates the core tag of JSTL.	2
13	Write down a program which demonstrates the Format tag of JSTL.	2
14	Write down a program which demonstrates the Function tag of JSTL.	2
15	Write down a program which demonstrates the SQL tag of JSTL.	2
16	Study and Implement MVC using Spring Framework.	2
17	Using Spring Template manage Database and Transaction.	2
CUMULATIVE PROPOSED PERIODS		36

	Name	Signature with Date
i. Faculty	Mrs. R Uma Aruna Devi	R. Uma
ii. Module Coordinator	K.Raja	K. Raja
iii. Programme Coordinator	Dr.RVVS Prasad	Dr. RVVS Prasad


Principal