



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(E) of UGC Act 1956
Approved by AICTE, New Delhi, Permanent Affiliation to JNTU K, Kakinada
Seetharampuram, W.G.D.T., 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
20CD7S01	Advanced Java Programming	VII	CSE DS	3 Periods	2025-26	09/06/25
COURSE OUTCOMES						
1	Illustrate the multithreaded applications with synchronization					
2	Construct and review on database connectivity.					
3	Develop web applications using Servlets					
4	Develop JSP using oracle database connectivity.					
5	Design and implement RESTful APIs using Node.js and Express.js					
Experiment Number	Experiment					Contact Hours
1	A) Write a JAVA program to implement method overloading. B) Write a JAVA program to implement constructor overloading.					3
2	A) Write a JAVA program to implement Single Inheritance. B) Write a JAVA program to implement multi level Inheritance.					3
3	A) Write a JAVA program give example for "super" keyword. B) Write a JAVA program to implement Interface. What kind of Inheritance can be achieved?					3
4	A) Write a JAVA program that describes exception handling mechanism. B) Write a JAVA program Illustrating Multiple catch clauses.					3
5	A) Write a JAVA program for creation of Java Built-in Exceptions. B) Write a JAVA program for creation of User Defined Exception.					3
6	A) Write a JAVA program that creates threads by extending Thread class. First thread display "Good Morning "every 1 sec, the second thread displays "Hello "every 2 seconds and the third display "Welcome" every 3 seconds,(Repeat the same by implementing Runnable). B) Write a JAVA program that import and use the user defined packages.					3
7	A) Write a java program that connects to a database using JDBC. B) Write a java program to connect to a database using JDBC and insert values into it.					3



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8	A) Write a java program to connect to a database using JDBC and delete values from it B) Develop a simple Servlet to display Welcome to Servlet .	3
9	A) 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. B) Write JSP Program to store student information sent from registration page into database table.	3
10	A) Develop a program to validate username and password that are stored in Database table using JSP. B) How to use Node.js Verify how to execute different functions successfully in the Node.js platform.	3
11	A) Write a program to show the workflow of JavaScript code executable by creating web server in Node.js. B) Write a program to perform various CRUD (Create-Read-Update-Delete) operations using Mongoose library functions.	3
12	A) Write a program to explain session management using cookies. B) Write a program to explain session management using sessions..	3
CUMULATIVE PROPOSED PERIODS		36

	Name	Signature with Date
i. Faculty	Mr.K.Bhanu Chand	<i>K. Bhanu</i>
ii. Module Coordinator	Mr.K.Raja	<i>K. Raja</i>
iii. Programme Coordinator	Dr.RVVS Prasad	<i>Dr. RVVS Prasad</i>

A. V. V.
Principal