DEPARTMENT OF INFORMATION TECHNOLOGY
TEACHING PLAN

Course Code	Course Title	Semester	Branch	Contact Periods /Week	Academic Year	Date of commencement of Semester
20IT3S01	JAVA PROGRAMMING Lab	III	CSE-BS	3 Periods	2023-24	07-08-2023

COURSE OUTCOMES

1	Develop solutions for a range of problems using object-oriented programming.
2	Create Java programs that solve simple business problems.

Experiment Number	Experiment	Contact Hours
1	Installation of JDK, setting Class path and Executing simple java programs.	1
2	Write a program that displays welcome dear user followed by user name. Accept username from the user.	1
3	Write a JAVA program to search for an element in a given list of elements using binary search mechanism.	1
4	Write a JAVA program that checks whether a given string is a palindrome or not by using command line arguments.	1
5	Write a JAVA program to implement array of objects.	1
6	Write a JAVA program to practice using String class and its methods.	2
7	Write a JAVA program to implement constructor overloading.	1
8	Write a JAVA program implement method overloading.	1
9	Write a JAVA program to implement multilevel inheritance by applying various access controls to its data members and methods.	1
10	Write a JAVA program to create and Manage bank account using inheritance concept.	2
11	Write a JAVA program to implement Interface. What kind of Inheritance can be achieved?	1
12	Write a JAVA program to demonstrate super key word.	1
13	Write a JAVA program to develop a vehicle class hierarchy in Java to demonstrate the concept of polymorphism.	1

S.No.	Experiment / Exercise Title	Proposed No. of Sessions
14	Write a JAVA program to demonstrate user defined Packages.	
15	Write a JAVA program for abstractclasstofindareasof different shapes.	2
16	Write a JAVA program for creation of Java Built-in Exceptions.	1
17	Write a JAVA program for creation of User Defined Exception.	1
18	Write a JAVA program that creates 3 threads by extending Thread class. First thread displays "Good Morning" every 1 sec, the second thread displays "Hello" every 2 seconds and the third displays "Welcome" every 3 seconds. (By implementing Runnable interface).	1
19	Write a program to read contents from a file using BufferedInputStream.	1
20	Write a program to read contents from a web page using HttpClient and Buffered Reader and write them to a local file using BufferedWriter.	1
21	Write a program to read two numbers and one operator from user console and perform the calculation.	2
22	Write a JAVA program to get sub list from ArrayList.	1
23	Write a JAVA program to iterate all elements of a list in both directions.	1
24	Write a JAVA program to add all elements of a list to LinkedList.	1
25	Write a JAVA program to implement the basic operations on TreeMap.	2
	CUMULATIVE PROPOSED PERIODS	30

		Name	Signature with Date
i.	Faculty	Mrs. R. Uma Aruna Devi	R. 7/8/23
ii.	Module Coordinator	Mr. K.Raja	K.R.
iii.	Programme Coordinator	Dr. RVVSV Prasad	RVSprasad

Principal

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Date of commencement of Semester

07-08-2023

Contact Hours

1
1
1
1
1
2
1
1
1
2
1
1
1
1

2