

ST. ANN'S COLLEGE OF ENGINEERING & TECHNOLOGY: CHIRALA
DEPARTMENT OF COMPUTERS SCIENCE & ENGINEERING

LECTURE SCHEDULE

SUBJECT: JAVA PROGRAMMING

ACADEMIC YEAR: 2017-18

NAME: K SUBBA RAO

YEAR & SEM/SECTION: II-II 'C'

No. of Lectures per week : 4+1* (Tutorial)

SL.NO	DATE	UNITS	TOPICS
1	20-Nov-17	I	Introduction to OOP , procedural programming language and object oriented language.
2	21-Nov-17		principles of OOP, applications of OOP
3	22-Nov-17		history of java, java features
4	23-Nov-17		JVM, program structure
5	25-Nov-17		Variables, identifiers, literals
6	27-Nov-17		primitive data types
7	28-Nov-17		Operators
8	29-Nov-17		expressions, precedence rules and associativity
9	30-Nov-17		primitive type conversion and casting
10	2-Dec-17		flow of control
11	4-Dec-17		flow of control (PPT)
12	5-Dec-17		Unit Test 1
13	6-Dec-17	II	Classes and objects, class declaration, creating objects
14	7-Dec-17		Methods
15	11-Dec-17		Tutorial
16	12-Dec-17		garbage collector
17	13-Dec-17		constructors and constructor overloading
18	14-Dec-17		importance of static keyword and examples
19	16-Dec-17		Arrays
20	18-Dec-17		Tutorial
21	19-Dec-17		this keyword and command line arguments
22	20-Dec-17		nested classes
23	21-Dec-17		Unit Test 2
24	23-Dec-17	III	Inheritance , types of inheritance
25	26-Dec-17		super keyword, final keyword
26	27-Dec-17		overriding and abstract class
27	28-Dec-17		Interfaces
28	30-Dec-17		creating the packages, using packages
29	1-Jan-18		Tutorial
30	2-Jan-18		importance of CLASSPATH and java.lang package.
31	3-Jan-18		importance of try, catch, throw, throws and finally block
32	4-Jan-18		Exception handling
33	6-Jan-18		user- defined exceptions, Assertions
34	8-Jan-18		Tutorial
35	9-Jan-18	IV	Multithreading: Introduction
36	10-Jan-18		thread life cycle
37	11-Jan-18		creation of threads using Runnable Interface
38	17-Jan-18		creation of threads using Thread class
39	18-Jan-18		Revision(mid 1)
40	20-Jan-18		Revision(mid 1)
41	22-Jan-18		Revision(mid 1)
42	23-Jan-18		Revision(mid 1)
43	24-Jan-18		Revision(mid 1)
44	25-Jan-18		thread priorities, thread synchronization
45	27-Jan-18		communication between threads
46	29-Jan-18		Tutorial

47	30-Jan-18		Reading data from files and writing data to files	
48	31-Jan-18		Random access file.	
49	1-Feb-18		Unit Test 4	
50	3-Feb-18	V	Applet class, Applet structure	
51	5-Feb-18		Tutorial	
52	6-Feb-18		Applet life cycle, sample Applet programs, Introduction to HTML for applet (Content beyond syllabus)	
53	7-Feb-18		Event handling: event delegation model	
54	8-Feb-18		Sources of event	
55	10-Feb-18		Event Listeners	
56	14-Feb-18		Tutorial	
57	15-Feb-18		Example programs on Event Handling	
58	17-Feb-18		adapter classes	
59	19-Feb-18		Tutorial	
60	20-Feb-18		inner classes.	
61	21-Feb-18		Unit Test 5	
62	22-Feb-18		VI	AWT: introduction
63	24-Feb-18			components and containers
64	26-Feb-18	Button, Label		
65	27-Feb-18	Checkbox, Radio Buttons		
66	28-Feb-18	List Boxes, Choice Boxes		
67	1-Mar-18	Container class, Layouts		
68	3-Mar-18	Layouts,		
69	5-Mar-18	Menu and Scrollbar		
70	6-Mar-18	Introduction to Swings		
71	7-Mar-18	Unit Test 6		
72	8-Mar-18	Revision		
73	12-Mar-18	Revision		
74	13-Mar-18	Revision		
75	14-Mar-18	Revision		
76	15-Mar-18	Revision		
77	17-Mar-18	Revision (Mid 2)		
78	19-Mar-18	Revision(Mid 2)		
79	20-Mar-18	Revision(Mid 2)		
80	21-Mar-18	Revision(Mid 2)		
81	22-Mar-18	Revision(Mid 2)		
82	24-Mar-18	Revision(Mid 2)		

TEXT BOOKS:

1. The complete Reference Java, 8th edition, Herbert Schildt, TMH.
2. Programming in JAVA, Sachin Malhotra, SaurabhChoudary, Oxford.
3. Introduction to java programming, 7th edition by Y Daniel Liang, Pearson.

REFERENCE BOOKS:

1. Swing: Introduction, JFrame, JApplet, JPanel, Componets in Swings, Layout Managers in
2. Swings, JList and JScrollPane, Split Pane, JTabbedPane, JTree, JTable, Dialog Box.

FACULTY MEMBER

HEAD OF THE DEPARTMENT