

**St. Ann's College of Engineering & Technology: Chirala**  
**Department of COMPUTERSCIENCE & Engineering**  
**LECTURE SCHEDULE**

**SUB: JAVA PROGRAMMING**

**ACADEMIC YEAR: 2019-20**

**NAME: K SUBBA RAO**

**YEAR & SEM/SECTION: II-II 'A'**

**No. of Lectures per week :5+1\* (Tutorial)**

Sl No	Date	Unit	Topics
1	18/11/2019	Unit-I	<b>Introduction to OOP</b> , procedural programming language and object oriented language
2	19/11/2019		principles of OOP, applications of OOP
3	21/11/2019		history of java, java features
4	21/11/2019		<b>Tutorial</b>
5	22/11/2019		JVM, program structure
6	23/11/2019		Variables, identifiers, literals
7	25/11/2019		primitive data types
8	26/11/2019		Operators
9	28/11/2019		expressions, precedence rules and associativity
10	28/11/2019		<b>Tutorial</b>
11	29/11/2019		primitive type conversion and casting
12	<b>30/11/2019</b>		flow of control
13	02/12/2019		flow of control
14	03/12/2019		flow of control
15	05/12/2019		Revision of Unit 1
16	05/12/2019		<b>Tutorial/ Unit Test - 1</b>
17	06/12/2019	Unit-II	<b>Classes</b> and objects, class declaration
18	07/12/2019		creating objects,
19	09/12/2019		Methods
20	10/12/2019		constructors and constructor overloading
21	12/12/2019		garbage collector
22	12/12/2019		<b>Tutorial</b>
23	13/12/2019		importance of static keyword and examples
24	14/12/2019		Arrays
25	16/12/2019		this keyword and command line arguments
26	17/12/2019		nested classes
27	19/12/2019		nested classes
28	19/12/2019		<b>Tutorial</b>
29	20/12/2019		Revision of Unit 2
30	21/12/2019		Unit Test-2
31	23/12/2019	Unit-III	<b>Inheritance</b> , types of inheritance
32	26/12/2019		super keyword, final keyword
33	26/12/2019		<b>Tutorial</b>
34	27/12/2019		overriding and abstract class
35	28/12/2019		Interfaces
36	30/12/2019		creating the packages, using packages
37	<b>31/12/2019</b>		importance of CLASSPATH and java.lang package.
38	02/01/2020		Exception handling
39	02/01/2020		<b>Tutorial</b>
40	03/01/2020		importance of try, catch, throw, throws and finally block
41	04/01/2020		user- defined exceptions, Assertions
42	06/01/2020	Mid 1 & Revision	<b>Revision</b>
43	07/01/2020		<b>Revision</b>
44	09/01/2020		<b>Revision</b>
45	09/01/2020		<b>Tutorial</b>
46	10/01/2020		<b>Revision</b>
47	13/01/2020		<b>MID-1</b>
48	18/01/2020		<b>MID-1</b>
49	20/01/2020		<b>MID-1</b>
50	21/01/2020		<b>MID-1</b>
51	23/01/2020		<b>MID-1</b>
52	23/01/2020		<b>Tutorial</b>
53	24/01/2020		<b>Multithreading:</b> Introduction ,thread life cycle
54	25/01/2020		creation of threads : Using Runnable and Thread class
55	27/01/2020		thread priorities

56	28/01/2020	Unit-IV	thread synchronization	
57	30/01/2020		communication between threads	
58	30/01/2020		<b>Tutorial</b>	
59	<b>31/01/2020</b>		Input / Output operations	
60	01/02/2020		Reading data from files and writing data to files	
61	03/02/2020		Random access file.	
62	04/02/2020		java.io.package	
63	06/02/2020		Revision of Unit 4	
64	06/02/2020		<b>Tutorial/Unit Test 4</b>	
65	07/02/2020		Unit -V	<b>Applet</b> class, Applet structure
66	10/02/2020			Applet life cycle, sample Applet programs,
67	11/02/2020			Introduction to HTML for applet ( Content beyond syllabus)
68	13/02/2020			Event handling: event delegation model
69	13/02/2020			<b>Tutorial</b>
70	14/02/2020	Sources of event		
71	15/02/2020	Event Listeners		
72	17/02/2020	Example programs on Event Handling		
73	18/02/2020	adapter classes		
74	20/02/2020	inner classes.		
75	20/02/2020	<b>Tutorial /Revision of Unit 5</b>		
76	21/02/2020	Unit Test 5		
77	22/02/2020	Unit-VI		<b>AWT:</b> introduction, components and containers
78	25/02/2020			Button, Label, Checkbox
79	27/02/2020		Radio Buttons	
80	27/02/2020		<b>Tutorial</b>	
81	28/02/2020		List Boxes, Choice Boxes, Container class	
82	<b>29/02/2020</b>		Layouts,	
83	02/03/2020		Menu and Scrollbar	
84	03/03/2020		Introduction to swings, JFrame, JApplet, JPanel, Componets	
85	05/03/2020		Layout manager	
86	05/03/2020		<b>Tutorial</b>	
87	06/03/2020		Layout manager	
88	07/03/2020		JList and JScrollPane, Split Pane	
89	10/03/2020		JTabbedPane,	
90	12/03/2020		JTree, JTable,	
91	12/03/2020	<b>Tutorial</b>		
92	13/03/2020	Dialog Box.		
93	16/03/2020	Mid 2 & Revision	Revision	
94	17/03/2020		Revision	
95	19/03/2020		Revision	
96	19/03/2020		<b>Tutorial</b>	
97	20/03/2020		Revision	
98	21/03/2020		Revision	
99	23/03/2020		Mid-2	
100	24/03/2020		Mid-2	
101	26/03/2020		Mid-2	
102	26/03/2020		<b>Tutorial</b>	
103	27/03/2020		Mid-2	
104	28/03/2020		Mid-2	
105	<b>30/03/2020</b>		Mid-2	

**TEXT BOOKS:**

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

**REFERENCE BOOKS:**

1. JAVA Programming, K Rajkumar, Pearson
2. Core JAVA, Black Book, Nageswararao,Wiely Dream Tech
3. Core JAVA for Beginners, Rashmi Kanta Das, Vikas
4. Object Oriented Programming Through JAVA, P. Radha Krishna, Universities Press.

**FACULTY MEMBER**

**HEAD OF THE DEPARTMENT**