

AIET	Lesson Plan & Execution	Format No. Issue No. Rev. No.	ACD 08 01 00
Name of the faculty	SHRIKANTH N.G.		
Semester and Section	6 th Sem . A Sec.		
Date of Commencement	20-03-2023		
Last Working Day of the Semester	10-04-2023		
Source Materials List			
Herbert Schildt	Java the Complete Reference 7 th /8 th edition.		
Tim Keogh	J2EE - The Complete Reference		
J.F. DiMarzio	Beginning Android Programming with Android Studio		
John Horton.	Android Programming for Beginners.		
Daron Griffiths & David Griffiths	Head first Android Development.		
Subject Name	JAVA FOR MOBILE APPLICATIONS.		

Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referred
1	20/3/23	<u>Module-1</u> Enumeration fundamentals, the values() & valuesOf() java enumerations & class types.	1	<u>Module-1</u> Enumeration fundamentals.	20/3/23	
2	21/3/23	enumerations Enhance Enum, example, Type wrappers.	1	the values() & valuesOf() methods	21/3/23	
3	23/3/23	Autoboxing & methods Autoboxing/Unboxing occurs in expressions,	1	java enumeration & class types.	23/3/23	
4	24/3/23	Autoboxing/Unboxing Boolean & character values.	1	enumerations Enhance Enum, examples.	24/3/23	

Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referred
5	27/3/23	Autoboxing/Unboxing Prevent errors, A word of warning.	1	examples on enum.	25/3/23	
6	28/3/23	Annotations, Annotation basics, Specifying Retention policy.	1	Type wrappers.	27/3/23	
7	28/3/23	Obtaining Annotations at runtime by use of Reflection.	1	Autoboxing & methods.	28/3/23	
8	31/3/23	Annotated element Interface	1	Autoboxing/Unboxing occurs in expressions	29/3/23	
9	3/4/23	Using default values, Marker annotations.	1	Autoboxing/Unboxing. Boolean & character values.	30/3/23	
10	6/4/23	Single number annotations Built-In annotations.	1	Autoboxing/Unboxing Prevent errors, A word of warning.	31/3/23	
11	10/4/23	<u>Module 2</u> Collections Overview, Recent changes to Collections.	1	Annotations, Annotation basics. Specifying Retention policy.	1/4/23	
12	11/4/23	Collection Interfaces.	1	Obtaining Annotations at runtime by use of Reflection.	3/4/23	1
13	13/4/23	Collection classes.	1	Annotated element Interface.	5/4/23	1
14	17/4/23	Accessing a Collection via an Iterator.	1	Using default values, Marker Annotations.	6/4/23	1
15	18/4/23	Storing user defined classes in collections.	1	Single number annotations, Built in annotations	10/4/23	1
16	20/4/23	Random Access Interface Comparator.	1	Examples on annotations in programs.	11/4/23	1
17	21/4/23	Working with maps	1	<u>Module 2</u> Collections Overview	12/4/23	1

Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referred
18	24/4/23	Collection algorithms	1	Collection Interface	13/4/23	1
19	25/4/23	Why generate Collections? Legacy classes & Interfaces.	1	Collection Interfaces.	15/4/23	1
20	27/4/23	Packing Thoughts on Collections.	1	Collection classes.	17/4/23	1
21	28/4/23	<u>Module-3</u> The String Constructors.	1	Collection classes.	18/4/23	1
22	02/5/23	String Length, Special String operations.	1	examples on Collection class.	19/4/23	1
23	4/5/23	Character extraction	1	examples on Collection class.	20/4/23	1
24	5/5/23	String Comparison.	1	Accessing a Collection via an Iterator.	21/4/23	1
25	8/5/23	Searching strings	1	Storing user defined classes in Collections	25/4/23	1
26	9/5/23	Modifying a string.	1	Random Access Iterator Comparator.	26/4/23	1
27	11/5/23	Data Conversion Using ValueOfcs.	1	Working with maps	27/4/23	1
28	12/5/23	Changing the case of characters within a string.	1	Working with maps	28/4/23	1
29	15/5/23	Additional String methods.	1	examples on maps.	29/4/23	1
30	16/5/23	String Buffer, String Builder.	1	Collection algorithms	2/5/23	1

Period	Plan			Execution		
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Refer
31	18/5/23	<u>Module: 4</u> What is Android; features of android	3	Collection algorithms	2/5/23	1
32	19/5/23	Android architecture	3	Examples on Collection algorithms.	3/5/23	1
33	22/5/23	Obtaining the required tools.	3	Why generic collections? Legacy classes & interfaces	4/5/23	1
34	23/5/23	Launching your first android application	3	Putting thoughts on Collections.	4/5/23	1
35	25/5/23	Understanding activities.	3	<u>Module: 3</u> The String Constructors	5/5/23	1
36	26/5/23	Understanding activities.	3	String Length, Special String operations	8/5/23	1
37	29/5/23	Launching activities Using Intents.	3	Example programs	9/5/23	1
38	30/5/23	Launching activities Using Intents.	3	Character extraction	11/5/23	1
39	01/6/23	Fragments.	3	String Comparison	13/5/23	1
40	02/6/23	Fragments.	3	Example on extraction & Comparison	15/5/23	1
41	5/6/23	<u>Module: 5</u> Views & ViewGroups.	3	Searching strings	16/5/23	1
42	6/6/23	Frame layout.	3	Modifying strings	19/5/23	1
43	8/6/23	Linear Layout,	3	Examples on Searching & modifying strings	23/5/23	1

Source Material Referred	Period	Plan			Execution		
		Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referred
1	44	9/6/23	Table Layout, Relative Layout.	3	Data Conversion Using findViewById.	24/5/23	1
1	45	12/6/23	Scroll view, TextView view - Button	3	Changing the color of character within string.	26/5/23	1
1	46	13/6/23	ImageButton, EditText.	3	Additional string methods.	1/6/23	1
1	47	15/6/23	CheckBox, ToggleButton	3	Example on string methods.	2/6/23	1
1	48	16/6/23	RadioButton & Radio Group views.	3	String Buffer & String builder.	5/6/23	1
1	49	19/6/23	Creating the DBAdapter helper class.	3	Example on String Buffer.	6/6/23	1
1	50	20/6/23	Using the database programmatically.	3	<u>Module 4</u> What is Android, features of android	7/6/23	3
1	51				Android architecture	7/6/23	3
1	52				Obtaining the required tools.	8/6/23	3
1	53				Launching your first android applications	9/6/23	3
1	54				Understanding activities.	10/6/23	3
1	55				Understanding activities.	12/6/23	3
1	56				Working activities using intents.	13/6/23	3

Period	Plan			Execution			Other
	Date	Topics to be covered	Source Material needed	Topics Covered	Date	Source Material Referre	
57				Working activity using intents	14/6/23	3	Spe
58				Fragments.	15/6/23	3	Tuto
59				Fragments.	20/6/23	3	Ass
60				Module 5 Views & ViewGroups	22/6/23	3	Sen
61				Frame layout.	23/6/23	3	IA
62				Linear Layout.	24/6/23	3	Por
63				Table Layout. Relative Layout.	26/6/23	3	Se
64				Scroll view, Textview View-Button.	27/6/23	3	Co
65				Image button - EditText.	03/7/23.	3	St
66				Checkbox, Togglebutton	04/7/23	3	St
67				Radio buttons & Radio Group views	04/7/23	3	R
68				Creating DBA adapter helper class.	07/7/23	3	F
69				Using the database Programmatically.	8/7/23	3	S

Others	Planned	Actual	Remarks :
Special Classes	16	15	
Tutorials	05	04	
Assignments	—	—	
Seminars	47	47	
IA Tests	3	3	
Portions Covered in the entire Semester	100 %		
Course Effectiveness			
Students Feedback	Good		
Students Response	Good.		
Result	No. of Students AP	No. of Students Passed	% of Result
	47	45	96 %
 Faculty in Charge  Signature of Principal (& Remarks if any)  HOD's Signature			