

Accredited by NAAC with 'B+' Grade, 2(f) & 12B Status Institution by UGC

IG Valley, Madurai Main Road, Manikandam, Tiruchirappalli - 620012

NAAC DOCUMENTS

QUALITY INDICATOR FRAME WORK

CRITERION – 1

CURRICULAR ASPECTS

SUBMITTED BY

IQAC

INTERNAL QUALITY ASSURANCE CELL INDRA GANESAN COLLEGE OF ENGINEERING





DEPARTMENT OF INFORMATION TECHNOLOGY

ACADEMIC YEAR 2018-2019 /EVEN SEMESTER

1.2 Academic Flexibility (30)

1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs,SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfullycompleted during the last five years)

AND

1.2.2 Percentage of students enrolled in Certificate/ Value added courses and also completed onlinecourses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the lastfive years

VAC Title:	Andro	Android App Development								
Resource Pe	Person: ProjectManager FlinkTechnologies,Chennai.									
Date of conduct from: 08.04.2019					To:	13.04.2019		Duration:	36 Hours	
Organized D	epartm	ent:	INFORMA	TION	TECH	INOLOGY				
Participant Year: IT IV,III,II Seme			ster:	EVEN	No.	of Students 1	Registered:	80		
Venue: IT	IT Seminar Hall									

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Department of Information Technology

Academic Year 2018-2019 - EVEN Semester

02.04.2019

DEPARTMENT CIRCULAR

Department of Information Technology in association with **Flink Technologies** is going to organize Value Added Course for all Second, Third and Final year students on "Android App Development" from 08.04.2019 to 13.04.2019 Certificates will be issued to the eligible participants at the end of the Course. This training is to be provided in our campus.

	1.Mrs.Sankari Project Manager
Resource Person Detail	Flink Technologies,Chennai
	2.Mrs.Vidhyasri
	Project Manager
	Flink Technologies, Chennai
Venue	IT Seminar Hall, IGCE

Luis) HOD/IT Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madural Main Road

ra Ganesan Coilege of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Cc:

- Principal office
- Class In charges II, III & IV-Year
- II, III & IV-Year IT Students
- Office File
- Notice Board



"Android App Development"

SYLLABUS

s.no	TOPIC COVERED	DURATION (in hours)	DATE
1	Introduction to Android	3	08.04.2019
	BasicBuilding Blocks-Activities, services	3	08.04.2019
2	First sample Application	3	09.04.2019
4	Emulator- Virtual Device	3	09.04.2019
5	Android- Virtual Device	3	10.04.2019
6	Editing emulator settings	3	10.04.2019
7	Applying Themes via code manifest file	3	11.04.2019
8	Maps, ,Location based services	3	11.04.2019
9	GPS,Location based services	3	12.04.2019
	Network connectivity services	3	12.04.2019
10	Layouts and drawable resources	3	13.04.2019
11	Activities and activity lifestyle	2	13.04.2019
12	1200,000	1	13.04.2019
13	Exam Total Hours (Excluding Exam)	36	

VAC Coordinator

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan Coilege of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-620 012.



COLLEGE OF ENGINEERING Madural Main Road (NH-45B), Manikandam, Trichy-12. Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennal

Value Added Course

"Android App Development"

STUDENTS PARTICIPATION LIST

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-520,012.

12. S.NO	REG NO	STUDENTS NAME	YEAR/ BRANCH
811215205001 A		Aishwarya. R	IV/IT
	811215205002	Akila. N	IV/IT
2	811215205003	Anbuselvi. R	IV/IT
4	811215205004	Anitha. A	IV/IT
	811215205005	Anitha. R	IV/IT
5 6	811215205007	Ashila Banu. M	IV/IT
7	811215205009	Chithira, M	IV/IT
8	811215205010	Deepalakshmi. N	IV/IT
9	811215205011	Dhanalakshmi. D	IV/IT
10	811215205012	Dhivya. S	IV/IT
11	811215205013	Ganga Devi. V	IV/IT
12	811215205014	Gayathri. B	IV/IT
13	811215205016	Greeshma. V	IV/IT
14	811215205017	Jency Delphina. S	IV/IT
15	811215205018	Karan. K	IV/IT
16	811215205019	Keerthana. M	IV/IT
17	811215205020	Kiruthika. G	IV/IT
18	811215205021	Manikandan. R	IV/IT
19	811215205022	Mathan Sam Raj. M	IV/IT
20	811215205023	Menaka. K	IV/IT
21	811215205024	Nandhini. S	IV/IT
22	811215205025		IV/IT
23	811215205026		IV/IT
24	811215205027		IV/IT
25	811215205028		IV/IT
26	811215205029		IV/IT
27	811215205030		IV/IT
28	811215205032		IV/IT
29	811215205033		IV/IT
30	811215205034		IV/II
31	81121520503		IV/IT
32	81121520503	6 Vijaya. K	IV/IT
33	81121520503		IV/IT
34	81121520503	8 Vimalraj. R	1.4727



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Dr. G. Balakrishnan, M.E., Ph.D.,

Indra Ganesan College of Engineering
IG Valley, Madurai Main Read
Manikandam, Trichy-620 012S.NO

YEAR/ REG NO STUDENTS NAME BRANCH 35 811215205301 IV/IT Arunachalam .K 811216205001 Anusuya Devi R 36 III/IT III/IT 37 811216205003 Balambigai A Bharath C ПЛТ 811216205004 38 III/II Boopalan K 39 811216205005 ШИТ Jeevamani M 40 811216205006 III/IT Jeyapriya D 41 811216205007 III/IT Kalaiyarasi N 42 811216205008 III/IT 43 811216205009 Kanagavalli J III/IT Keerthika R 44 811216205010 III/IT 811216205011 Krishnan K 45 III/IT Muthulakshmi P 811216205012 46 ШИТ Nandhini C 811216205013 47 III/IT Nelson 811216205014 48 III/IT 49 811216205015 Parameshwari K III/IT 811216205016 Poovaragavan 50 HI/IT 51 811216205017 Privadharshini A III/IT Radhika M 52 811216205018 III/IT 811216205019 Roshini A 53 III/IT Rubini K 811216205020 54 Savithri S HI/IT 55 811216205022 III/IT Selvapathi V 56 811216205023 Sivakavi S ШИТ 57 811216205024 III/IT 58 811216205025 Sivakumar S III/IT Thanisha S 59 811216205026 III/IT 60 811216205027 Thasthagir S III/II Victoriyarani T 61 811216205028 Ш/ΙΤ 811216205029 Vidhyasri M 62 III/IT Wasim Akram M 811216205030 63 Aravindhan S III/IT 811216205501 64 Anitha G 811217205001 65 II/IT

Balaji V

Gopal P

Hariharan S

811217205002

811217205003

811217205004

66

67

68

II/IT

ПЛТ

II/IT



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S.NO	REG NO	STUDENTS NAME	YEAR/ BRANCH
69	811217205005	Karthick A	II/IT
70	811217205006	Lisha Y	II/IT
71	811217205007	Lokeshwaran V	II/IT
72	811217205008	Merciya Mary A	II/IT
73	811217205009	Mohamed Riyaj Khan M	II/IT
74	811217205010	Mukesh Kanna S	H/IT
75	811217205011	Pakkiyalakshmi A	II/IT
76	811217205013	Sankar C	II/IT
77	811217205015	Santhiya K	II/IT
78	811217205016	Saranya C	II/IT
79	811217205017	Sudhahar S	II/IT
80	811217205018	Swetha K	II/IT

VAC Coordinator

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Read

**Tanikandam, Trichy-620 012

Leuf HOD/IT



REPORT ON VALUE ADDED COURSE									
Title:	44	"Android App Development"							
Resource Person:			Manager chnologies,Chennai		T.	Mrs.Vidhyasri Project Manager FlinkTechnologies, Chennai			
Date of con			08.04.2019	To:	13.04.2019	Duration:	36 H	lours	
Organized			Information Tech	nology					
Participant					No. of St	udents Registe	red :	80	
		ninar H							
Outcome o	of Val	ue Adde	d Course (VAC): A	t the e	nd of the Course,	Students can	be al	ole to	
 To designing and building mobile applications using Android open-source platform Developing for Android through its main application development building blocks Encourages students to learn by building increasingly more sophisticated and meaningful mobile applications Build a Twitter app for Android, but there are other choices depending on participants' interests Combination of lecture and laboratory course which will help the student understand the philosophy of developing for Android 									
Assessment Process									
 Students, who are securing more than 70% on total score and secured more than 75% inattendance is eligible to receive the certificate for the VAC course conducted Total Score = (0.5 *Attendance in VAC out of 100 percentage + 0.5 *Test mark in VAC out of 100 marks) 									
VAC Coor	C Coordinator HoD/IT Principal								

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

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Madural Main Road (NH-45B), Manikandam, Trichy-12.

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SAMPLE PHOTOS OF VALUE ADDED COURSE

Title: "Android App Development"

Resource Mrs.Sankari
Person:

Project Manager

FlinkTechnologies,Chennai

Mrs.Vidhyasri

Project Manager

FlinkTechnologies,

Chennai

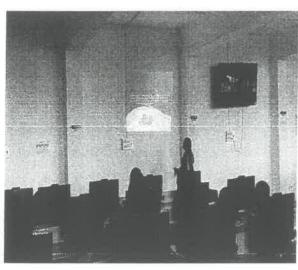
Date of conduct from: 08.04.2019 To: 13.04.2019 Duration: 36 Hours

Organized Department: Information Technology

Participant Year: 2,3,4 No. of Students Registered: 80

Venue: IT Seminar Hall

Sample Photos:





التياج VAC Coordinator HoD/IT

Principal

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

Indra Ganesan College of Engineering IG Valley, Madurai Main Road

Manikandam, Trichy-620 032.



COLLEGE OF ENGINEERING Madural Main Road (NH-45B), Manikandam, Trichy-12. Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai

Dr. G. Balakrishpan, M.E., Ph.D., **Principal** Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-620 012.

Value Added Course

"Android App Development"

Name of the Student:

Year/Sem:

AU Register Number:

Value Added Course

"Android App Development"

MULTIPLE CHOICE QUESTIONS (25X1 = 25 Marks)

1.Android is a)an operating system b)a web browser c) a web server d)None of the above

2. Under which of the following Android is licensed?

a)OSS

b)Sourceforge

c)Apache/MIT

d)None of the above

3. For which of the following Android is mainly developed?

a) Servers

b)Desktops

c)Laptops

d)Mobile devices

4. Which of the following is the first mobile phone released that ran the Android OS?

a) HTC Hero

b)Google gPhone

c)T - Mobile G1

d)None of the above



"Android App Development"

5. Which of the following virtual machine is used by the Android operating system?
a)JVM
b)Dalvik virtual machine
c)Simple virtual machine
d)None of the above

- 6. Android is based on which of the following language?
 - a) Java
 - b)C++
 - c)C
 - d)None of the above
- 7. APK stands for -
- a)Android Phone Kit
- b)Android Page Kit
- c)Android Package Kit
- d)None of the above
- 8. What does API stand for?
 - a) Application Programming Interface
 - b)Android Programming Interface
 - c)Android Page Interface
 - d)Application Page Interface
- 9. Which of the following converts Java byte code into Dalvik byte code?
- a)Dalvik converter
- b)Dex compiler
- c)Mobile interpretive compiler (MIC)

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IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



"Android App Development"

- 10. How can we stop the services in android?
- a)By using the stopSelf() and stopService() method
- b)By using the finish() method
- c)By using system.exit() method
- d)None of the above
- 11. What is an activity in android?
- a)android class
- b)android package
- c)A single screen in an application with supporting java code
- d)None of the above
- 12. How can we kill an activity in android?
- a)Using finish() method
- b)Using finishActivity(int requestCode)
- c)Both (a) and (b)
- d)Neither (a) nor (b)
- 13. ADB stands for -
- a)Android debug bridge
- b)Android delete bridge
- c)Android destroy bridge
- d)None of the above
- 14. On which of the following, developers can test the application, during developing the android applications?
- a)Third-party emulators
- b)Emulator included in Android SDK
- c)Physical android phone

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Principal

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a)Yes

b)No

c)May be

1	Madural Main Road (NH-45B), Manikandam, Trichy-12. Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennal
Dr. G. Balakrishnan, M.E., Ph	.D.,
Principal	
Indra Ganesan College of Engineeri	value Added Course
IG Valley, Madurai Main Road Manikandam, Trichy-620 012.	66 A 1 * 1 A TO 1 199
indiakanadiri, mcny-620 012.	"Android App Development"
15. Which of the following	kernel is used in Android?
a)MAC	
b)Windows	
c)Linux	
d)Redhat	
16. Which of the following i	is the first callback method that is invoked by the system during an activity life-cycle?
a)onClick() method	1
b)onCreate() metho	प्रते ।
c)onStart() method	
d)onRestart() metho	bd
17. Which of the following is	s not an activity lifecycle callback method?
a)onClick() method	
b)onCreate() metho	d.
c)onStart() method	
d)onBackPressed()	method
18. We require an AVD to cr	reate an emulator. What does AVD stand for?
a)Android Virtual d	evice
b)Android Virtual d	isplay
c)Active Virtual dis	play
d)Active Virtual dev	rice
19. Does android support other	er languages than java?



"Android App Development"

20.	What is	the t	use of	content	provider	in	Android?
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- a)For storing the data in the database
- b)For sharing the data between applications
- c)For sending the data from an application to another application
- d)None of the above

21. AAPT stands for -

- a)Android Activity Packaging Tool
- b) Android Asset Packaging Tool
- c)Android Action Packaging Tool
- d)None of the above

22. NDK stands for -

a)Native Development Kit

b)New Development kit

c)Native Design Kit

d)None of the above

23. Which of the following is contained in the src folder?

a)XML

b)Java source code

c)Manifest

d)None of the above

24. Which of the following method is used to handle what happens after clicking a button?

a)onClick

b)onCreate

c)onSelect

Dr. G. Balakrishnan, M.E., Ph.D.,
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Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-628 012.



"Android App Development"

- 25. Which of the following android component displays the part of an activity on screen?
 - a)View
 - b)Manifest
 - c)Intent
 - d)Fragmen

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Principal

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IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



"Android App Development"

ANSWER KEY

1	a	6	a	11	c	16	ь	21	ь
2	c	7	c	12	c	17	d	22	a
3	d	8	a	13	a	18	a	23	ь
4	c	-9	ъ	14	d	19	a	24	d
5	b	10	a	15	c	20	с	25	a

VAC Coordinator

Dr. G. Balakoishnan, M.E., Ph.D.,

Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-620 012.



Madural Main Road (NH-45B), Manikandam, Trichy-12.

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18 54 14

Added Course

"Android App Development"

Name of the Student: Deepa Lakshuri. N

Year/Sem:

AU Register Number:

811215205010

Value Added Course

"Android App Development"

MULTIPLE CHOICE QUESTIONS (25X1 = 25 Marks)

- 1.Android is
 - wan operating system
 - b)a web browser
 - c) a web server
 - d)None of the above
- 2. Under which of the following Android is licensed?

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b)Sourceforge

elApache/MIT

d)None of the above

3. For which of the following Android is mainly developed?

a) Servers

b)Desktops

c)Laptops

4. Which of the following is the first mobile phone released that ran the Android OS?

HIC Hero

প্ৰ)Mobile devices

b)Google gPhone

c)T - Mobile G1

d)None of the above

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Principal
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IG Valley, Madural Main Road
Manikandam, Trichy-620 912.



Added Co	<u>ourse</u>
"Android App Deve b)Dalvik virtual machine	elopment"
d)None of the above 6. Android is based on which of the following language?	,
a) Java	
b)C++	(D:
d)None of the above	Dr. G. Balakrishnan, M.E., Ph.D., Principal Indra Ganesan College of Engineering
7. APK stands for -	IG Valley, Madurai Main Road Manikandam, Trichy-620 012.
a)Android Phone Kit	11. Mcny-620 012.
MAndroid Page Kit	
с)Android Package Kit	
d)None of the above	
8. What does API stand for?	
a)Application Programming Interface	
b)Android Programming Interface	
c/Android Page Interface	
d)Application Page Interface	
9. Which of the following converts Java byte code into D	Palvik byte code?
a)Dalvik converter b)Dex compiler	
o Mobile interpretive compiler (MIC)	
d)None of the above	

10. How can we stop the services in android?

a)By using the stopSelf() and stopService() method



Added Course

"Android App Development"

c)By using s	ystem.exit()	method
--------------	--------------	--------

- d)None of the above
- 11. What is an activity in android?
 - a)android class
 - الله)android package
 - c)A single screen in an application with supporting java code
 - d)None of the above

12. How can we kill an activity in android?

a)Using finish() method

b)Using finishActivity(int requestCode)

c)Both (a) and (b)

d) Neither (a) nor (b)

13. ADB stands for -

a)Android debug bridge

b)Android delete bridge

(Android destroy bridge

d)None of the above

14. On which of the following, developers can test the application, during developing the android applications?

a)Third-party emulators

b)Emulator included in Android SDK

c)Physical android phone

d)All of the above

15. Which of the following kernel is used in Android?

a)MAC

b)Windows

g)Linux

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Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-620 012.



		1.0	
	Added	d Course	
d)Redhat	"Android App	p Development"	
- -	g is the first callback method tha	at is invoked by the system during an activity life-cycle	e?
a)onClick() meth	_		
b)onCreate() met	thod		
o)onStart() metho	od ,		
d)onRestart() me	thod 🔾		
17. Which of the following	g is not an activity lifecycle callb	back method?	
a)onClick() meth	ođ	Dr. C. D (D.	
b)onCreate() met	hod	Dr. G. Balakrishnan, M.E., Ph.	
c)onStart() metho	od	Indra Ganesan College of Engineerin IG Valley, Madurai Main Road	ıg
d)onBackPressed	() method	Manikandam, Trichy-620 012.	
18. We require an AVD to	create an emulator. What does A	AVD stand for?	
a)Android Virtual	l device		
b)Android Virtua	l display	*	
c) Agtive Virtual of	fisplay		
d)Active Virtual of	levice		
19. Does android support o	other languages than java?		
a)Yes			
b)No			
c)May be			

20. What is the use of content provider in Android?

d)Can't say

a)For storing the data in the database

b)For sharing the data between applications

(c)For sending the data from an application to another application



Added Cou	rse
"Android App Develo	opment"
a)Android Activity Packaging Tool b)Android Asset Packaging Tool c)Android Action Packaging Tool d)None of the above 22. NDK stands for - a)Native Development Kit b)New Development kit c)Native Design Kit	Dr. G. Balakrishnan, M.E., Ph.D.,
d)None of the above 23. Which of the following is contained in the src folder? a)XML b)Java source code c)Manifest	Principal Indra Ganesan College of Engineering IG Valley, Madural Main Road Idar Rengan 1997, 1996, 1996, 1997, 1998, 1997, 1998, 1997, 1998, 1997, 1998, 1997, 19
d)None of the above 24. Which of the following method is used to handle what happens a a)onClick b)onCreate c)onSelect	after clicking a button?
25. Which of the following android component displays the part of a	n activity on screen?

a)View

c)Intent

b) Manifest

d)Fragmen



Madural Main Road (NH-45B), Manikandam, Trichy-12. Approved by AICTE, NewDelhi & Affiliated to Anna University, Chennai

Added Course

"Android App Development"

Name of the Student: Kouan. K

Year/Sem:

AU Register Number: 811215205 018

Value Added Course

"Android App Development"

MULTIPLE CHOICE QUESTIONS (25X1 = 25 Marks)

I.Android	18	
Sinh on	erating	evetem

b)a web browser

c) a web server

d)None of the above

2. Under which of the following Android is licensed?

a)OSS

b)Sourceforge

Apache/MIT

d)None of the above

3. For which of the following Android is mainly developed?

a) Servers

b)Desktops

Laptops

d)Mobile devices

4. Which of the following is the first mobile phone released that ran the Android OS?

a) HTC Hero

b)Google gPhone

Mobile G1

d)None of the above

5. Which of the following virtual machine is used by the Android operating system?

a)JVM

Dr. G. Balakrishnan, M.E., Ph.D.,

Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-620 012.



Added Course

"Android App Development"

b)Dalvik virtual machine

simple virtual machine

d)None of the above

6. Android is based on which of the following language?

ar) Java

b)C++

c)C

d)None of the above

7. APK stands for -

a)Android Phone Kit

b)Android Page Kit

Android Package Kit

d)None of the above

8. What does API stand for?

a) Application Programming Interface

b) Android Programming Interface

c)Android Page Interface

d)Application Page Interface

9. Which of the following converts Java byte code into Dalvik byte code?

a)Dalvik converter

Dex compiler

c)Mobile interpretive compiler (MIC)

d)None of the above

10. How can we stop the services in android?

a)By using the stopSelf() and stopService() method

.... G. Balakrishnan, Μ.Σ., 👫 🗓

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Added Course

"Android	App	Development*
----------	-----	--------------

c)By using system.exit() method

d)None of the above

11. What is an activity in android?	
a)android class	
b)android package	
	.*at

A single screen in an application with supporting java code

d)None of the above

12. How can we kill an activity in android?

a)Using finish() method

b)Using finishActivity(int requestCode)

e)Both (a) and (b)

d)Neither (a) nor (b)

13. ADB stands for -

a)Android debug bridge

Android delete bridge

c)Android destroy bridge

d)None of the above

(D):

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

14. On which of the following, developers can test the application, during developing the android applications?

-a)Third-party emulators

b)Emulator included in Android SDK

c)Physical android phone

d)All of the above

15. Which of the following kernel is used in Android?

a)MAC

/b)Windows



Added Cour	<u>se</u>
"Android App Develop	oment"
16. Which of the following is the first callback method that is invoked	d by the system during an activity life-cycle?
a)onClick() method	
b)onCreate() method	
d)onRestart() method	
7. Which of the following is not an activity lifecycle callback method	1?
a)onClick() method	
b)onCreate() method	
c)onStart() method	
d)onBackPressed() method	
8. We require an AVD to create an emulator. What does AVD stand	for?
A)Android Virtual device	
b)Android Virtual display	
c)Active Virtual display	(0):
d)Active Virtual device	Dr. G. Balakrishnan, M.E., Ph.D.,
9. Does android support other languages than java?	Indra Ganesan College of Engineering
var Yes	IG Valley, Madurai Main Road Manikandam, Trichy-620 012.
b)No	
c)May be	

d)Can't say

20. What is the use of content provider in Android?

a)For storing the data in the database

b)For sharing the data between applications -



d)Fragmen

Added Course

			_
21. AAPT stan	ds for -	"Android App Developi	ment"
a) And	roid Activity Packaging 1	[ool	$\overline{}$
b)And	roid Asset Packaging Too	ol	/
c)Andı	oid Action Packaging To	ool	
· d)None	e of the above		
22. NDK stands	for -		
a) Nativ	e Development Kit)
b)New	Development kit		
c)Nativ	re Design Kit		
d)None	of the above		
23. Which of the	following is contained in	n the src folder?	():
a)XML			No. of the control of
biJava s	source code		Dr. G. Balakrishnan, M.E., Ph.D.
c)Manii		1	Indra Ganesan College of Engineering
			IG Valley, Wadura Main Road Manuscott of the profession
a)Inone	of the above		
24. Which of the	following method is used	d to handle what happens after	clicking a button?
a)on@lic	:k	- Company and the contract of	
b)onCre	ate		
c)onSele	ect		
d)None	of the above		
25. Which of the	following android compo	ment displays the part of an ac	tivity on screen?
a)View			
b)Manife	est		
c)Intent			



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Added Course

"Android App Development"

Name of the Student: Parameshwani. k

Year/Sem: 111

AU Register Number:

811216205015

Value Added Course

"Android App Development"

MULTIPLE CHOICE QUESTIONS (25X1 = 25 Marks)

1.Android is

wan operating system

b)a web browser

c) a web server

d)None of the above

2. Under which of the following Android is licensed?

a)OSS

b)Sourceforge

e)Apache/MIT

d)None of the above

3. For which of the following Android is mainly developed?

a) Servers

b)Desktops

c)Laptops

Mobile devices

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Principal

Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-620 012.

4. Which of the following is the first mobile phone released that ran the Android OS?

a) HTC Hero

b)Google gPhone

c)T - Mobile G1

None of the above

5. Which of the following virtual machine is used by the Android operating system?



Added Course

machine

"Android App Development"

c)Simple virtual machine

X

d)None of the above

6. Android is b	ased on which	of the follo	wing language?
-----------------	---------------	--------------	----------------

a Java

b)C++

c)C

d)None of the above

7. APK stands for -

a)Android Phone Kit

b)Android Page Kit

Android Package Kit

d)None of the above

8. What does API stand for?

Application Programming Interface

b)Android Programming Interface

c)Android Page Interface

ge Interface

d)Application Page Interface

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Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Read
Manikandam, Trichy-620 012.

9. Which of the following converts Java byte code into Dalvik byte code?

a)Dalvik converter

b)Dex compiler

c)Mobile interpretive compiler (MIC)

None of the above

10. How can we stop the services in android?

a)By using the stopSelf() and stopService() method

b)By using the finish() method





Added Course

"Android App Development"

- c)By using system.exit() method
- d)None of the above
- 11. What is an activity in android?

a)android class

b)android package

A kingle screen in an application with supporting java code

d)None of the above

12. How can we kill an activity in android?

a)Using finish() method

b)Using finishActivity(int requestCode)

Soth (a) and (b)

d)Neither (a) nor (b)

13. ADB stands for -

Android debug bridge

b)Android delete bridge

c)Android destroy bridge

d)None of the above

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal

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14. On which of the following, developers can test the application, during developing the android applications?

a)Third-party emulators

b)Emulator included in Android SDK

c)Physical android phone

All of the above

15. Which of the following kernel is used in Android?

AMAC

b)Windows



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Added Co	<u>ourse</u>
"Android App Dev	elopment"
d)Redhat	
16. Which of the following is the first callback method that is in	voked by the system during an activity life-cycle
a)onClick() method	
b)onCreate() method	
c)onStart() method	
d)onRestart() method	
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c)onStart() method	
d)onBackPressed() method	
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a)Android Virtual device	
b)Android Virtual display	
c)Active Virtual display	(0.:/
d)Active Virtual device	
19. Does android support other languages than java?	Dr. G. Balakrishnan, M.E., Ph.D.,
a)Y)s	College of Engineering
b)No	Indra Ganesan College IG Valley, Madurai Main Read Manikandam, Trichy-620 012.
c)May be	
d)Can't say	
20. What is the use of content provider in Android?	
a)For storing the data in the database	

b)For sharing the data between applications

6)For sending the data from an application to another application



d)Fragmen

Added Course

"Android App Development	•
21. AAPT stands for -	
a)Android Activity Packaging Tool	
b)Android Asset Packaging Tool	
c)Android Action Packaging Tool	
d)None of the above	
22. NDK stands for -	
a)Native Development Kit	
b)New Development kit	
c)Native Design Kit	
d)None of the above	
23. Which of the following is contained in the src folder?	
a)XML	
Java source code	
c)Manifest	
d)None of the above	
24. Which of the following method is used to handle what happens after cli	cking a button?
a)onClick	Or. G. Balakrishnan, M.E., Ph.D.,
h)onCreate	Principal
c)onSelect	ndra Ganesan College of Engineering IG Valley, Madurai Main Road
d)None of the above	Manikandam, Trichy-620 012.
25. Which of the following android component displays the part of an activ	rity on screen?
aview	
b)Manifest	
c)Intent	





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Principal
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IG Valley, Madurai Main Road

Manikandam, Trichy-620 012.

Department of Information Technology
Academic Year 2018-2019 – Even Semester
STUDENTS ATTENDANCE LIST

Value Added Course

"Android App Development"

S.N	DEC NO	STUDENTS NAME	YEAR/ BRANC	08.0₄	4.2019	09.04	4.2019	10.04	4.2019	11.04	4.2019	12.04	4.2019	13.04.2	2019	NO OF SESSIO	SIG OF TH
0	REG NO	STODEWY TO MAKE	Н	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	NS ATTEN DED	STUD
1	811215205001	Aishwarya, R	IV/IT	~	1	_	1	~			~	~	~	~	1	12	Ay
2		Akila. N	IV/IT	5	1		1	~	N	~	√	1	~	V	V	10	no.
3		Anbuselvi. R	IV/IT	~	1	V'	~	V	√	~		V	V	1	\sim	12	Anb
4		Anitha. A	IV/[T		1	1	~	~	V	V		V	V	· ~		12	Anit
5	811215205005	Anitha. R	IV/IT		1	~		0	V	~	1	1.7	5		A	1)	Apr
6	811215205007	Ashila Banu. M	IV/IT	1	/	V		5		~	V		A) _/		11	ofthe
7	811215205009	Chithira. M	IV/IT	1	V	V	~	1		S	V	V		~	5	12	chil
8	811215205010	Deepalakshmi. N	IV/IT	1	1		1	~	1	~	A)	~		1	A	10	Degro
9	811215205011	Dhanalakshmi. D	IV/IT	\sim	1	1	V		1	~	V	1	A	N	1	11	Thos
10	811215205012	Dhivya. S	IV/IT	1	1	1	S		~		0	~	1	~		1. 11	200
11	811215205013	Ganga Devi. V	IV/IT	1	1	1	N	5	V	1	~		1		1	12	Gang
12	811215205014	Gayathri, B	IV/IT	~	1	1	10		1	A		. ~	1	1 1	\sim	111	(400
13	811215205016	Greeshma. V	IV/IT	1		~	1		2	5	1	~	V	1	8	12	1700
14	811215205017	Jency Delphina, S	IV/I T	1	V	~	V	V	~		1	~	~	1	A		S.Je

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Principal
Indra Ganesan College of Engineering

ndra Ganesan College of Engineerin IG Valley, Madurai Main Road Manikandam, Trichy-620 012.



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S. NO	REG NO	STUDENTS NAME	YEAR/	08.04	1.2019	09.04	.2019	10.04	1.2019	11.04	4.2019	12.04	1.2019	13-04	-2019	NO OF	SIGN
			BRANCH	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	SESSIONS ATTENDE	STUI
15	811215205018	Karan, K	IV/IT	1	1	<u></u>	1	1	1	1	(A)	. /			1	D	Kan
16	811215205019	Keerthana. M	IV/IT	1	~	~		1	1	1	(1)	^				11	1
17	811215205020	Kiruthika. G	IV/IT	1	1		1		0	1	~			/		- 11	Lun
18	811215205021	Manikandan, R	IV/IT	1	~	~	1	1	1	-	~	0	~	. 1	1	12	Kiru
19	811215205022	Mathan Sam Raj. M	IV/IT	1		5		1	1	. 1	(A)	·/	(A)		(A)	10	R.96
20	811215205023	Menaka, K	IV/IT	1			/				0	~	<u> </u>		×-	10	Matho
21	811215205024	Nandhini, S	IV/IT	1	N		~		(A)				.1		0	12	Men
22	811215205025	Nooril Meena. M	IV/IT	1	5		1	/	5	/		1	1	V	~		8 N
23	811215205026	Pavithra. L	IV/IT	1			1	1		1	~					12	Me
24	811215205027	Priyadharshini. S	IV/IT	1		/	~	1	(A)	1	<u></u>	3/	~	~	\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	12	Dan
25	811215205028	Pushpa. C	IV/IT	1	. ^	1	1/			~	~	~	V	./	0		Day
26	811215205029	Sagaya Rani, R	IV/IT	1	1	1		1	1				· /	./	1	12	Cop
27	811215205030	Sathish Kumar, G	IV/IT	1	/	1	(A)	1		1	1	/		Y	~	20.00	Par
28	811215205032	Siddika Banu. S	IV/IT	1	1	1	9	/	(A)	5		-		1		10	-
29	811215205033	Suvetha. J	IV/IT	5	/	~	/			•			. ^		~		5,661
30	811215205034	Vanmathi. A	IV/IT	1	~	-	(A)	~	1		\\\	~	~	1	(A)	12	Suve
31	811215205035	Victoriaezilarasi.A	IV/IT	1		5	9	~		V	×	1	~	~	~	10	Vann
32	811215205036	Vijaya. K	IV/IT	1	_	1		1	1	1	√	.0	1	V	(A)	- I den	Vict
33	811215205037	Vijayalakshmi. B	IV/IT	1		0	1	^	On	~	1		V	1	9	10	VUA
34	811215205038	Vimalraj. R	IV/IT	1	1	~	1	5			V	1	V			12	Ray
35	811215205301	Arunachalam .K	IV/IT	1	~	1	V	1	~	^	(AS)		V	1	1	12	And
36	811216205001	Anusuya Devi R	III/IT		1			~	V	4	9	~	/	1	(A)	_1	7

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Principal
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IG Valley, Madurai Main Road



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S.	REG NO	STUDENTS NAME	YEAR/ BRANCH	08.04	.2019	09.04	.2019	10.04	.2019	11.04	.2019	12.04	.2019	13.04.2	2019	NO OF SESSIONS	SIGN EOF
NO			BKANCH	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	ATTENDE D	STU
37	811216205003	Balambigai A	III/IT	~	/	<u></u>	/			/	/		/	/	~	12	Rela
38	811216205004	Bharath C	III/IT	. ^	1	/		V	- (A)	/	·V	V	(A)	1	_ <	10	CH
39	811216205005	Boopalan K	HI/IT	/	-/	V	V	X	V	V	\vee	V	V	V	A		K Bo
40	811216205006	Jeevamani M	III/IT	/	1		~	V	1/	V	* (A)	0			/	ii	100
41	811216205007	Jeyapriya D	HUIT		1		/	V	V	1	9	√	/	/	/	12	25
42	811216205008	Kalaiyarasi N	III/I T		0/	/	V	V		~	V_	/	/	/	V_	12	Ago
43	811216205009	Kanagavalli J	III/IT		1	/	A	V	V	V	\checkmark	~	(A)	V	V	10	Kana
44	811216205010	Keerthika R	HI/IT	/		/	2	V	V	1		V	V	V	1	12	120
45	811216205011	Krishnan K	III/IT	1	~		V,	V	V	V	V	- <	V	V \	V	12	Kon
46	811216205012	Muthulakshmi P	III/IT	/				V	1	Y		~	V	V	(A)	1)	Muth
47	811216205013	Nandhini C	ПП/ІТ	~	V	/		V	(A)	~	V	/	V	V	V	()	Nand
48	811216205014	Nelson	HI/IT	-	V			V	2		V	V	V	V	V	10	Nel
49	811216205015	Parameshwari K	III/IT		·		/	V		/	(A)	V	V	/	V	11	Para
50	811216205016	Poovaragavan	III/IT	0/	12	1	A	·V		-	1		V	V			Roova
51	811216205017	Priyadharshini A	III/IT				4	V	\checkmark	V	-	1	V	V	/	12	B.
52	811216205018	Radhika M	III/IT	/	1	~	V	\vee	1			~	V	V	A	- 11	Rad
53	811216205019	Roshini A	III/IT	/	/	\checkmark	\checkmark	V	V	V	V	V	A	V		П	Roy
54	811216205020	Rubini K	III/IT	~	1	V	V	1	A	V		/	V	V		-11	Rul
55	811216205022	Savithri S	ПІ/ІТ	1	V		V	V	V	1	V	1/	/	V		12	Sou
56	811216205023	Selvapathi V	III/IT	~	V	V	V	V	V	V		1/	A		(A)	10	Sal
57	811216205024	Sivakavi S	III/IT	1	A	1	/		/	/	_	-	(A)		1	10	Siva
58	811216205025	Siyakumar S	III/IT		1	1	-	/		~	-		9	4	V	12	8.81
59	811216205026	Thanisha S	III/IT	-		1	V	1		1	(A)	V	V	/ /		11	The

Dr. G. Balakrishnan, M.E., Ph.D., Principal

Indra Ganesan College of Engineering IG Valley, Madurai Main Road Manikandam, Trichy-620 012.



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S. NO	REG NO	STUDENTS NAME	YEAR/ BRANCH	08.04	1.2019	09.04	.2019	10.04	.2019	11.04	.2019	12.04	.2019	13.04.2	2019	NO OF SESSIONS	SIGNATUR EOF THE
			Britatell	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	FN	AN	ATTENDE D	STUDENT
60	811216205027	Thasthagir S	III/IT	/		V	V	N	V	V	V	V	V	V	~	12	That thage
61	811216205028	Victoriyarani T	III/IT	~	/	/	/	/	~		/	/	V		/	12	Rani
62	811216205029	Vidhyasri M	III/IT	~	/	*	/		1	✓	~	^	(PA)	/	-	- 11	Vidhyani
63	811216205030	Wasim Akram M	III/IT				(/	~	~	09	1	~		(A)	11	akram
64	811216205501	Aravindhan S	III/I T	/	/	/			1	1	1	1	~	1	7	12	Arcavioli
65	811217205001	Anitha G	II/IT	(A)	(A)	1	/	/		1	1	1		V	V	10	Anothary
66	811217205002	Balaji V	II/IT	A	(A)	1		~	/	1	1	~	~	V	V	lb	Balay
67	811217205003	Gopal P	II/IT	9	W	~	V	V	V	V	~	1	/	V	V	10	gopal
68	811217205004	Hariharan S	IL/IT	/	1	V:	(A)	V	V	V	V	V	V	V	A	10	hari
69	811217205005	Karthick A	IVIT	V	/	$\sqrt{}$	V	V	~	V	V	V	V	V	(A)	11	bearthic
70	811217205006	Lisha Y	II/IT	V	V	V	V	V	V	V	V	V	V	V	V	12	Lisher
71	811217205007	Lokeshwaran V	П/ІТ	V	V	/	V	\checkmark	V	V	V	V	(A)	V	V	11	bloch
72	811217205008	Merciya Mary A	II/IT	V	<	V	V	~	1	V	V	V	V	V	(A)_	11	Mercion Mo
73	811217205009	Mohamed Riyaj Khan M	II/IT	V	V	V			(A)	V	V	V	V	/	7	11	moham ee
74	811217205010	Mukesh Kanna S	II/IT	/	1	V	~	~	V	$\sqrt{}$	V	V	V	1	/	12	Mukash
75	811217205011	Pakkiyalakshmi A	II/IT	/	(A)	V.	V	V	V	~	~	-	V		V	10	laks hom
76	811217205013	Sankar C	II/IT	1	V	V	V	(A)	V	V	~	4	V	V	V	10	Souker
77	811217205015	Santhiya K	II/IT	V	V	~	V	V	V	V	7/	-	V	V	V	12	Las they
78	811217205016	Saranya C	II/IT	V	V		V	V	V	V		K	V	V	(A)	1)	Saranga.
79	811217205017	Sudhahar S	II/IT	V	V	/	1	V	V	V	V	5	V	V	7	12	Sulhara
80	811217205018	Swetha K	II/IT	V	V	1		V	1	V	/	V	Y	V	V	12	Swoodh



VAC Coordinator

HoD/IT



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Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Read
Manikandam, Trichy-620 012.

Department of Information Technology

Academic Year 2018-2019 - Even Semester

VALUE ADDED COURSE ASSESMENT SHEET

Android App Development

				Attenda	nce Details	VAC-M	OVERALL MARK(100) (50% of A + 50% of B)	
s.no	REG NO	REG NO STUDENTS NAME		No. of hours Attended	Attendance Mark(100) (A)	No of Correct Answers		
			IV/IT	36	100	20	80	90
1	811215205001	Aishwarya. R	IV/IT				60	72
2	811215205002	Akila. N	17/11	30	83	15	00	
	811215205003		IV/IT	36	100	19	76	88
3		Anbuselvi. R	IV/IT		100	22	88	94
4	811215205004	Anitha. A		36	100			02
5	811215205005		IV/IT	33	92	18	72	82
J		Anitha. R	IV/IT	33	92	17	68	80
6	811215205007	Ashila Banu. M	IV/IT			10	72	86
7	811215205009	Chithira, M	17/11	36	100	18	12	
			IV/IT	30	83	17	68	76
8	811215205010	Deepalakshmi. N	IV/IT		92	16	64	78
9	811215205011	Dhanalakshmi. D		33	_			78
10	811215205012		IV/IT	33	92	16	64	/0
	1		IV/IT	36	100	20	80	90
11	811215205013	Ganga Devi. V		30	100			

Dr. G. Balakrishnan, M.E., Ph.D.,

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S.NO	REG NO	STUDENTS NAME	YEAR/	Attendance Details		VAC-MCQ TEST		OVERALL
			BRANCH	No. of hours Attended	Attendance Mark(100)	No of Correct	MCQ Mark(100)	MARK(100) (50% of A + 50% of B)
12	811215205014	Gavathri B	IV/IT		(A)	Answers	(B)	,
13	811215205016	Greeshma, V	IV/IT	33	92	20	80	86
14	811215205017		IV/IT	36	100	22	88	94
15		hency Delpuina. 2		33	92	17	68	80
16	811215205018	Karan. K	IV/IT	33	92	19	76	84
17	811215205019	Proceeding 141	IV/IT	33	92	19	76	
	811215205020	Kiruthika. G	IV/IT	36	100			84
18	811215205021	Manikandan. R	IV/IT	30		20	80	90
19	811215205022	Mathan Sam Raj. M	IV/IT		83	16	64	74
20	811215205023	Menaka. K	IV/IT	30	83	16	64	74
21	911215205024		IV/IT	36	100	22	88	94
22	911215205025	Nandhini, S		33	92	18	72	82
23		Nooril Meena. M	IV/IT	36	100	22	88	94
	811215205026	Pavithra, L	IV/IT	36	100	22		
24	811215205027	Priyadharshini. S	IV/IT	33	92		88	94
25	811215205028	Pushpa, C	IV/IT			20	80	86
26	911015005000	Sagaya Rani. R	IV/IT	33	92	19	76	84
27	911015005000		IV/IT	36	100	20	80	90
	911215205020	Sathish Kumar. G	IV/[T	30	83	16	64	74
	911215205022	Siddika Banu, S		30	83	16	64	74
		Suvetha, J	IV/IT	36	100	22	88	94
00	811215205034	Vanmathi. A	IV/IT	30	90	19		83

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S.NO	REG NO	STUDENTS NAME	YEAR/ BRANCH	Attendance Details		VAC-MCQ TEST		OVERALL
				No. of hours Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	MARK(100) (50% of A + 50% of B)
31	811215205035	Victoriaezilarasi.A	IV/IT	36	90	19	76	83
32	811215205036	Vijaya. K	IV/IT	30	100	20	80	90
33	811215205037	Vijayalakshmi. B	IV/IT	36	90	19	76	74
34	811215205038	Vimalraj. R	IV/IT	36	80	21	84	82
35	811215205301	Arunachalam .K	IV/ľT	33	90	20	80	85
36	811216205001	Anusuya Devi R	III/IT	33	100	21	84	92
37	811216205003	Balambigai A	III/IT	36	90	20	80	85
38	811216205004	Bharath C	III/IT	30	100	19	76	88
39	811216205005	Boopalan K	III/IT	33	100	20	80	90
40	811216205006	Jeevamani M	III/IT	33	100	21	84	92
41	811216205007	Jeyapriya D	III/IT	36	90	21	84	87
42	811216205008	Kalaiyarasi N	HI/IT	36	80	20	80	80
43	811216205009	Kanagavalli J	HI/IT	30	90	21	84	87
44	811216205010	Keerthika R	Ш/ІТ	36	100	20	80	90
45	811216205011	Krishnan K	IJI/IT	36	90	19	76	83
46	811216205012	Muthułakshmi P	III/IT	33	100	19	76	88
47	811216205013	Nandhini C	III/IT	33	100	21	84	92
48	811216205014	Nelson	III/IT	30	90	19	76	74
49	811216205015	Parameshwari K	III/I T	33	80	20	80	80

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	REG NO	STUDENTS NAME	YEAR/ BRANCH	Attendance Details		VAC-MCQ TEST		OVERALL
S.NO				No. of hours Attended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	MARK(100) (50% of A + 50% of B)
50	811216205016	Poovaragavan	III/IT	33	90	19	76	83
51	811216205017	Priyadharshini A	III/IT	36	100	20	80	90
52	811216205018	Radhika M	III/IT	33	90	19	76	83
53	811216205019	Roshini A	III/IT	33	80	21	84	82
54	811216205020	Rubini K	III/IT	33	90	20	80	85
55	811216205022	Savithri S	III/IT	36	100	21	84	92
56	811216205023	Selvapathi V	III/IT	30	90	20	80	85
57	811216205024	Sivakavi S	III/IT	30	100	19	76	88
58	811216205025	Sivakumar S	III/IT	36	100	20	80	90
59	811216205026	Thanisha S	III/IT	33	100	21	84	92
60	811216205027	Thasthagir S	III/IT	36	90	21	84	87
61	811216205028	Victoriyarani T	III/IT	36	80	20	80	80
62	811216205029	Vidhyasri M	HI/IT	33	90	21	84	82
63	811216205030	Wasim Akram M	III/IT	33	100	20	80	90
64	811216205501	Aravindhan S	III/IT	36	90	19	76	83
65	811217205001	Anitha G	II/IT	30	100	19	76	88
66	811217205002	Balaji V	II/IT	30	100	21	84	92
67	811217205003	Gopal P	II/IT	36	90	19	76	83

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S.NO	REG NO	STUDENTS NAME	YEAR/ BRANCH	Attendance Details		VAC-MCQ TEST		OVERALL
				No. of hoursAtt ended	Attendance Mark(100) (A)	No of Correct Answers	MCQ Mark(100) (B)	MARK(100) (50% of A + 50% of B)
68	811217205004	Hariharan S	II/IT	30	80	20	80	80
69	811217205005	Karthick A	II/IT	33	90	19	76	83
70	811217205006	Lisha Y	II/IT	36	100	20	80	90
71	811217205007	Lokeshwaran V	II/IT	33	90	19	76	83
72	811217205008	Merciya Mary A	II/IT	33	80	21	84	82
73	811217205009	Mohamed Riyaj Khan M	II/IT	33	90	20	80	85
74	811217205010	Mukesh Kanna S	II/IT	36	100	21	84	92
75	811217205011	Pakkiyalakshmi A	II/IT	30	90	20	80	85
76	811217205013	Sankar C	II/IT	30	100	19	76	88
77	811217205015	Santhiya K	II/IT	36	100	20	80	90
78	811217205016	Saranya C	IVIT	33	100	21	84	92
79	811217205017	Sudhahar S	II/IT	36	90	21	84	87
80	811217205018	Swetha K	II/IT	36	80	20	80	80

VAC Coordinator

HOD/IT





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This is to certify that Mr/Ms. Aishwarya.R of IV ...-IT......has successfully completed the Value Added Course on "Android App Development" organized by Department of Information Technology in Association with Flink Technologies from 08th April 2019 to 13th April 2019 (6days) during the Academic year 2018-2019.

Mrs.Shankari

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This is to certify that Mr/Ms. Anitha.R of IV ...-IT......has successfully completed the Value Added Course on "Android App Development" organized by Department of Information Technology in Association with Flink Technologies from 08th April 2019 to 13th April 2019 (6days) during the Academic year 2018-2019.

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This is to certify that Mr/Ms. Akila.N of IV ...-IT......has successfully completed the Value Added Course on "Android App Development" organized by Department of Information Technology in Association with Flink Technologies from 08th April 2019 to 13th April 2019 (6days) during the Academic year 2018-2019.

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This is to certify that Mr/Ms. **Dhivya.S of IV ...-IT......**has successfully completed the Value Added Course on "Android App Development" organized by Department of Information Technology in Association with Flink Technologies from **08th April 2019 to 13th April 2019** (6days) during the Academic year 2018-2019.

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This is to certify that Mr/Ms. **Gayathri.B of IV ...-IT......**has successfully completed the Value Added Course on "Android App Development" organized by Department of Information Technology in Association with Flink Technologies from **08th April 2019 to 13th April 2019** (6days) during the Academic year 2018-2019.

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This is to certify that Mr/Ms. Anbuselvi.R of IV ...-IT......has successfully completed the Value Added Course on "Android App Development" organized by Department of Information Technology in Association with Flink Technologies from 08th April 2019 to 13th April 2019 (6days) during the Academic year 2018-2019.

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This is to certify that Mr/Ms. **Bharath.C of III ...-IT......**has successfully completed the Value Added Course on "Android App Development" organized by Department of Information Technology in Association with Flink Technologies from **08th April 2019 to 13th April 2019** (6days) during the Academic year 2018-2019.

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This is to certify that Mr/Ms. Krishnan.K of III ...-IT......has successfully completed the Value Added Course on "Android App Development" organized by Department of Information Technology in Association with Flink Technologies from 08th April 2019 to 13th April 2019 (6days) during the Academic year 2018-2019.

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This is to certify that Mr/Ms. **Nelson of III ...-IT......**has successfully completed the Value Added Course on "Android App Development" organized by Department of Information Technology in Association with Flink Technologies from **08th April 2019 to 13th April 2019** (6days) during the Academic year 2018-2019.

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This is to certify that Mr/Ms. Nandhini.C of III ...-IT......has successfully completed the Value Added Course on "Android App Development" organized by Department of Information Technology in Association with Flink Technologies from 08th April 2019 to 13th April 2019 (6days) during the Academic year 2018-2019.

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This is to certify that Mr/Ms. Jeyapriya.D of III ...-IT......has successfully completed the Value Added Course on "Android App Development" organized by Department of Information Technology in Association with Flink Technologies from 08th April 2019 to 13th April 2019 (6days) during the Academic year 2018-2019.

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This is to certify that Mr/Ms. Boopalan.K of III ...-IT......has successfully completed the Value Added Course on "Android App Development" organized by Department of Information Technology in Association with Flink Technologies from 08th April 2019 to 13th April 2019 (6days) during the Academic year 2018-2019.

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This is to certify that Mr/Ms. Karthick.A of II ...-IT.....has successfully completed the Value Added Course on "Android App Development" organized by Department of Information Technology in Association with Flink Technologies from 08th April 2019 to 13th April 2019 (6days) during the Academic year 2018-2019.

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This is to certify that Mr/Ms. Sankar.C of II ...-IT......has successfully completed the Value Added Course on "Android App Development" organized by Department of Information Technology in Association with Flink Technologies from 08th April 2019 to 13th April 2019 (6days) during the Academic year 2018-2019.

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This is to certify that Mr/Ms. Santhiya.K of II ...-IT......has successfully completed the Value Added Course on "Android App Development" organized by Department of Information Technology in Association with Flink Technologies from 08th April 2019 to 13th April 2019 (6days) during the Academic year 2018-2019.

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This is to certify that Mr/Ms. Saranya.C of II ...-IT......has successfully completed the Value Added Course on "Android App Development" organized by Department of Information Technology in Association with Flink Technologies from 08th April 2019 to 13th April 2019 (6days) during the Academic year 2018-2019.

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CERTIFICATE of Participation

This is to certify that Mr/Ms. Swetha.K of II ...-IT......has successfully completed the Value Added Course on "Android App Development" organized by Department of Information Technology in Association with Flink Technologies from 08th April 2019 to 13th April 2019 (6days) during the Academic year 2018-2019.

Mrs. Shankar

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CERTIFICATE of Participation

This is to certify that Mr/Ms. Mukesh Kanna.s of II ...-IT......has successfully completed the Value Added Course on "Android App Development" organized by Department of Information Technology in Association with Flink Technologies from 08th April 2019 to 13th April 2019 (6days) during the Academic year 2018-2019.

Mts.Shankari

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