



St. Michael's College, Cherthala

Alappuzha, Kerala-688 539

**Affiliated to University of Kerala
and Re-accredited by NAAC with 'A' Grade**



ADD ON COURSE 2018-19

Name of the Programme : ANDROID DEVELOPMENT

Name of the Department : SOFTWARE DEVELOPMENT

Course Code : SD 303



St. Michael's College

MAYITHARA P.O., CHERTHALA, ALAPPUZHA-688539

An institution with Minority Status Affiliated to the University of Kerala and
Re-accredited by NAAC with 'A' Grade

Add on Course - 2018-19

COMMERCE

Diploma in Goods & Services
Tax Practices (DGSTP) & Tally

ZOOLOGY

Vermi Technology

CHEMISTRY

Polymer Technology

PHYSICS

Materials science

**SOFTWARE
DEVELOPMENT**

Android Development

**TOURISM
STUDIES**

Customer Service Executive

HINDI

Hindi Language and Communication

MATHEMATICS

Basic Mathematics

ENGLISH

Basics of Business Communication



Phone : 0478-2822387, 2810387

Email : michaelscherthala@gmail.com, Web : www.stmc.ac.in

NAME OF COURSE : ANDROID DEVELOPMENT

COURSE CODE : SD 303

NO OF STUDENTS ENROLLED : 39

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ADD ON COURSE ON ANDROID DEVELOPMENT

**BVoc Software Development,
St Michaels College, Cherthala**

NAME OF THE COURSE: ANDROID DEVELOPMENT

COURSE STRUCTURE:

MODULE 1(10 hrs): Fundamentals of Android

MODULE 2(5 hrs): Android OS

MODULE 3(5 hrs): Database Connectivity

Practical:(10 hrs):4 Program and 1 project

Detailed Syllabus

Module I: Introduction to Android

- What is Android?
- Setting up development environment
- Dalvik Virtual Machine & .apk file extension
- Fundamentals:
 - Basic Building blocks - Activities, Services, Broadcast Receivers & Content providers
 - UI Components - Views & notifications
 - Components for communication - Intents & Intent Filters
 - Android API levels (versions & version names)

Module II: Application Structure (in detail)

- AndroidManifest.xml
- uses-permission & uses-sdk
- Resources & R.java
- Assets
- Layouts & Drawable Resources
- Activities and Activity lifecycle
- First sample Application

Module III: Database connectivity

- SQL

- DML & DDL Queries in brief
- Connectivity steps

Practical

- Install android studio and run 'Hello world'.
- Using different layouts
- User Input controls
- Querying the SQL database
- Simple project to implement calculator

Programme Outcome

- Creating robust mobile applications and learn how to integrate them with other services
- Creating intuitive, reliable mobile apps using the android services and components
- Create a seamless user interface that works with different mobile screens

Duration of the programme:30hrs (either in the evening of regular working day or Saturdays)

Scope of the course:

- The course is for designing and building mobile applications using Android open-source platform. It will be a combination of lecture and laboratory course which will help the student understand the philosophy of developing for Android™ through its main application development building blocks and their interaction with one another.
- This course encourages students to learn by building increasingly more sophisticated and meaningful mobile applications for Android™.

S NO	Name	Candidate Code
1	ABEELA KARIM	35116136001
2	ADWYDHAN R C	35116136004

- By the end of the course, each participant will build their own complete Android application incorporating most of the key aspects of the platform. Typically, we build a Twitter app for Android, but there are other choices depending on participants' interests

St. Michael's college, Cherthala

Details of the students

Discipline: BVoc Software Development

Course title: Android development

3	AJAY KRISHNAN	35116136005
4	AKSHAY S KUMAR	35116136006
5	AMAL JOSE M	35116136007
6	AMAL JOSEPH	35116136008
7	AMAL K	35116136009
8	AMALA. J. ROBIN	35116136010
9	ANAND DAS	35116136011
10	ANOOJA N S	35116136012
11	ARAVIND R NAIR	35116136014
12	ARCHANA V	35116136015
13	ARJUN P UNNIKRISHNAN	35116136016
14	ARUN PETER	35116136017
15	ARYAMOL R	35116136018
16	ASHIK TOMY	35116136019
17	ATHIRA JAGADEESAN	35116136020
18	CLINITA JOY M J	35116136023
19	DILSHAD N	35116136024
20	FATHIMA S	35116136025
21	GOKUL G GOPI	35116136026
22	GOKUL S RAJ	35116136027
23	HITHA HARIKUMAR	35116136028
24	JERIN MICHAEL P S	35116136029
25	KIRAN J PETER	35116136030
26	MANUMOL FELIX	35116136031
27	MARY C B	35116136033
28	NAKUL H PRASAD	35116136034
29	RENJITH R	35116136035
30	SARATH G	35116136037
31	SARATH S	35116136038
32	SEPHANYA P R	35116136039
33	SHARON K NICOLAS	35116136040
34	SHEFIN V S	35116136041
35	SNEHA SAJEEVAN	35116136042

S No	Name	Candidate Code	Attendance percentage	Attained required percentage
1	ABEELA KARIM	35116136001	87	yes
2	ADWYDHAN R C	35116136004	93	yes
3	³⁶ SONU SULO AJAY KRISHNAN	35116136005	90	yes 35116136043
4	³⁷ SREEJITH A AKSHAY S KUMAR	35116136006	87	yes 35116136044
5	³⁸ SREERAJ P AMAL JOSE M	35116136007	90	yes 35116136045
	³⁹ VIGISHA P G			35116136046

St.Michael's College Cherthala
 BVoc Software Development
 Add on course
 Attendance statement

Total no of hours:30

6	AMAL JOSEPH	35116136008	87	yes
7	AMAL K	35116136009	87	yes
8	AMALA. J. ROBIN	35116136010	90	yes
9	ANAND DAS	35116136011	93	yes
10	ANOOJA N S	35116136012	87	yes
11	ARAVIND R NAIR	35116136014	93	yes
12	ARCHANA V	35116136015	90	yes
13	ARJUN P UNNIKRISHNAN	35116136016	90	yes
14	ARUN PETER	35116136017	90	yes
15	ARYAMOL R	35116136018	100	yes
16	ASHIK TOMY	35116136019	93	yes
17	ATHIRA JAGADEESAN	35116136020	97	yes
18	CLINITA JOY M J	35116136023	93	yes
19	DILSHAD N	35116136024	93	yes
20	FATHIMA S	35116136025	100	yes
21	GOKUL G GOPI	35116136026	93	yes
22	GOKUL S RAJ	35116136027	100	yes
23	HITHA HARIKUMAR	35116136028	93	yes
24	JERIN MICHAEL P S	35116136029	90	yes
25	KIRAN J PETER	35116136030	93	yes
26	MANUMOL FELIX	35116136031	100	yes
27	MARY C B	35116136033	90	yes
28	NAKUL H PRASAD	35116136034	97	yes
29	RENJITH R	35116136035	97	yes
30	SARATH G	35116136037	93	yes
31	SARATH S	35116136038	90	yes
32	SEPHANYA P R	35116136039	97	yes
33	SHARON K NICOLAS	35116136040	90	yes
34	SHEFIN V S	35116136041	97	yes
35	SNEHA SAJEEVAN	35116136042	90	yes
36	SONU SIJO	35116136043	90	yes
37	SREEJITH A	35116136044	90	yes
38	SREERAJ P	35116136045	93	yes

39	VIGISHA P G	35116136046	97	yes
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Class schedule

Schedule of Add on Course 2018-2019			
Date	Day	Time	Faculty
2-11-2018	Friday	3.30-4.30 PM	Geethu Varghese
5-11-2018	Monday	3.30-4.30 PM	Pimmy Mathews
9-11-2018	Friday	3.30-4.30 PM	Jithin Babu
12-11-2018	Monday	3.30-4.30 PM	Thomsy Williams
17-11-2018	Saturday	10-12 AM	Geethu Varghese
23-11-2018	Friday	3.30-4.30 PM	Pimmy Mathews
29-11-2018	Thursday	3.30-4.30 PM	Jithin Babu
30-11-2018	Friday	3.30-4.30 PM	Thomsy Williams
1-12-2018	Saturday	10-12 AM	Pimmy Mathews
5-12-2018	Wednesday	3.30-4.30 PM	Geethu Varghese
6-12-2018	Thursday	3.30-4.30 PM	Jithin Babu
10-12-2018	Monday	3.30-4.30 PM	Thomsy Williams
19-12-2018	Wednesday	3.30-4.30 PM	Pimmy Mathews
24-12-2018	Monday	3.30-4.30 PM	Thomsy Williams
25-12-2018	Tuesday	3.30-4.30 PM	Geethu Varghese
31-12-2018	Monday	3.30-4.30 PM	Thomsy Williams
1-1-2019	Tuesday	3.30-4.30 PM	Jithin Babu
4-1-2019	Friday	3.30-4.30 PM	Geethu Varghese
7-1-2019	Monday	3.30-4.30 PM	Thomsy Williams
10-1-2019	Thursday	3.30-4.30 PM	Pimmy Mathews
14-1-2019	Monday	3.30-4.30 PM	Jithin Babu
18-1-2019	Friday	3.30-4.30 PM	Geethu Varghese
19-1-2019	Saturday	10-12 AM	Thomsy Williams
22-1-2019	Tuesday	3.30-4.30 PM	Pimmy Mathews
25-1-2019	Friday	3.30-4.30 PM	Jithin Babu
29-1-2019	Tuesday	3.30-4.30 PM	Geethu Varghese
31-1-2019	Thursday	3.30-4.30 PM	Pimmy Mathews

1	ABEELA KARIM	35116136001
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Model question paper
St. Michael's College, Cherthala
BVoc Software Development
Add-On Course
Introduction to AI

Time:1hr

Marks:30

PART A (Answer all questions)

10x1=10

Marks

1. Android is _____.
2. Under which of the following Android is licensed?
3. For which of the following Android is mainly developed?
4. Which of the following virtual machine is used by the Android operating system?
5. APK stands for –
6. What does API stand for?
7. How can we stop the services in android?
8. What is an activity in android?
9. How can we kill an activity in android?
10. Which kernel is used in Android?

PART B (Answer any 5 questions)

2x5=10 Marks

S No	Name	Candidate Code	Max marks	Marks obtained
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11. Discuss about features of android.
12. Explain about view and view group?
13. Explain Image view, gallery view and grid view.
14. Write a short note on WIFI and WIMAX.
15. Discuss about Feature of 2G and 3G.
16. Explain creating and using database In SQLite.
17. Describe activities.
18. What is the importance of XML based layouts.

PART C (Answer any 1 question)

1x10=10 Marks

19. Explain about architecture of android.
20. Explain about creating your own services in android developing.

St. Michael's College Cherthala

Mark List

Discipline: BVoc software Development

Course title: Androd Development

Date of examination:

1	ABEELA KARIM	35116136001	30	25
2	ADWYDHAN R C	35116136004	30	23
3	AJAY KRISHNAN	35116136005	30	21
4	AKSHAY S KUMAR	35116136006	30	25
5	AMAL JOSE M	35116136007	30	26
6	AMAL JOSEPH	35116136008	30	24
7	AMAL K	35116136009	30	AB
8	AMALA. J. ROBIN	35116136010	30	28
9	ANAND DAS	35116136011	30	27
10	ANOOJA N S	35116136012	30	26
11	ARAVIND R NAIR	35116136014	30	18
12	ARCHANA V	35116136015	30	19
13	ARJUN P UNNIKRISHNAN	35116136016	30	20
14	ARUN PETER	35116136017	30	21
15	ARYAMOL R	35116136018	30	18
16	ASHIK TOMY	35116136019	30	19
17	ATHIRA JAGADEESAN	35116136020	30	20
18	CLINITA JOY M J	35116136023	30	21
19	DILSHAD N	35116136024	30	23
20	FATHIMA S	35116136025	30	24
21	GOKUL G GOPI	35116136026	30	26
22	GOKUL S RAJ	35116136027	30	27
23	HITHA HARIKUMAR	35116136028	30	26
24	JERIN MICHAEL P S	35116136029	30	24
25	KIRAN J PETER	35116136030	30	26
26	MANUMOL FELIX	35116136031	30	25
27	MARY C B	35116136033	30	22
28	NAKUL H PRASAD	35116136034	30	23
29	RENJITH R	35116136035	30	20
30	SARATH G	35116136037	30	AB
31	SARATH S	35116136038	30	25
32	SEPHANYA P R	35116136039	30	24
33	SHARON K NICOLAS	35116136040	30	21

34	SHEFIN V S	35116136041	30	23
35	SNEHA SAJEEVAN	35116136042	30	24
36	SONU SIJO	35116136043	30	26
37	SREEJITH A	35116136044	30	21
38	SREERAJ P	35116136045	30	20
39	VIGISHA P G	35116136046	30	22



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ADD-ON COURSE CERTIFICATE

This is to certify that **Miss. ABEELA KARIM (35116136001)**

Software Development 2016 Admission

has completed Certificate/Add-on course in

Android Development (SD 303)

*offered by the Department of Software Development during the
academic year 2018-2019. He/Shee is awarded with* **A**

**Head of the
Department**

**Course
Coordinator**

Principal

Add-On Course (2018-19)

Subject: Android Development

In the academic year 2018-19, department of Software Development successfully conducted an Android Development Add-On Course, catering to the growing demand for mobile app development skills. This specialized program attracted a vibrant cohort of 39 participants eager to delve into the world of Android application development.

The course, spanning a duration of 30 hours, Contains MODULE 1(10 hrs): Fundamentals of Android, MODULE 2(5 hrs): Android OS, MODULE 3(5 hrs): Database Connectivity Practical:(10 hrs):4 Program and 1 project

provided a comprehensive overview of Android development, covering essential topics such as user interface design, programming logic, data storage, and integration of various functionalities. Participants were exposed to hands-on projects and practical exercises, ensuring a well-rounded understanding of the Android platform.

Date of examination:08/02/2019




Principal
St. Michael's College
Cherthala