

COURSE CODE	COURSE TITLE	L	T	P	C
1151IT306	MOBILE APPLICATION DEVELOPMENT LAB	0	0	2	1

Course Category: Program Core

a. Preamble :

The **ANDROID** Application Development Lab needed to implement rich Android applications for the Android mobile platform. Student will build the code, compile, execute, and debug mobile applications using the Java for Android programming language and Eclipse to develop programs using advanced programming concepts.

b. Prerequisite Courses:

Sl. No	Course code	Course Name
1	1151IT303	Object Oriented Programming Lab

c.Related Courses:

Sl. No	Course Code	Course Name
1	1156IT601	Minor Project
2	1156IT701	Major Project

d. Course Outcomes:

Upon the successful completion of the course, learners will be able to

CO Nos.	Course Outcomes	Level of learning domain(Based on revised Bloom's)
1	Demonstrate the android features and create ,develop using android	K2
2	Demonstrate and Understanding anatomy of an Android application	K3
3	Apply the android geo location based services	K3
4	Illustrate the android wifi features and advance android development	K3
5	Demonstrate the linux security and implement ADL interface	K2

K2-Understand, K3-Apply, S3-Processes

f. Correlatin of COs with Programme Outcomes:

COs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	H											
CO2	H	M	L			L	L					L
CO3	H	M	L			L	L					L
CO4	H	M	L			L	L					L
CO5	H		L			L	L	L				L
CO6	M	M		L								

H- High; M-Medium; L-Low

g. Syllabus

Content:

Cycle I

1. Introduction to mobile technologies and devices
- 2 Android platform and applications overview
- 3 Setting Android development environments
- 4 Writing Android applications
- 5 Understanding anatomy of an Android application
- 6 Managing application resources
- 7 Essentials of Android user interface design

Model Practical Examination I

Cycle II

8. User interface design elements, events, and dialogs
9. User interface design layouts
10. Working with texts and shapes
11. Working with animations
12. Using Android location based APIs
13. Using Android storage APIs
14. Using Android web APIs

Model Practical Examination II

Learning Resources:

h. Online Resources:

- <http://www.tutorialspoint.com/android/>
- <https://www.udacity.com/course/android-development-for-beginners--ud837>