



Technical University of Mombasa

---

**UNIT CODE: UNIT TITLE**  
**CIT 4404: MOBILE APPLICATIONS DEVELOPMENT**

Lecturer Details: DR. FULLGENCE MWAKONDO

**GENERAL INTRODUCTION TO THE UNIT**

This unit intends to provide students with concepts and practical skills of Mobile Applications Development. The aim is to empower students with skills on android applications programming tools and techniques for developing quality software applications for Mobile Devices.

**Course Description**

Topic1: Introduction to Android Platform  
Topic2: Android Application Development using Android Studio  
Topic3: Basic User Interface Android Components  
Topic4: Android User Interface Programming  
Topic5: Data persistence  
Topic6: Advanced topics

**Expected Learning Outcomes**

By the end of this course, the student should be able to;

- i. Describe Android Platform.
- ii. Use Android Studio to develop Application programs
- iii. Use Android programming to develop user interface.

**Mode of Delivery**

Lectures, tutorials, practical.

**Instructional Materials /Equipment**

A computer laboratory, laboratory manuals, software prototyping tools, software application development framework; journals, overhead presentation equipment.



TUM is ISO 9001:2015 Certified



## Technical University of Mombasa

---

### Course Evaluation

Type	Weighting (%)
Examination	70%
Continuous Assessment	30%
Total	100%

### Core Text Books

- i. DiMarzio, J. F., (2017). *Beginning Android Programming with Android Studio* (4<sup>th</sup> ed.). John Wiley & Sons. ISBN: 978-1-118-70559-9.
- ii. Sufyan, U. (2014). *Mastering Android Studio: A Beginner's Guide (Mastering Computer Science)(1<sup>st</sup> Edition)*, CRC Press. ISBN: 978-1032134123.
- iii. Mala, D. J., & Geetha, S. (2013). *Learning Android Programming Using Android Studio Android For Beginners*. New Delhi: McGraw Hill Education. ISBN: 1259006743.



TUM is ISO 9001:2015 Certified