

Mobile Application Development

ICT TECHNICIAN LEVEL

IT/OS/ICT/CR/11/6

JANUARY 2026



LAIKIPIA EAST TECHNICAL AND VOCATIONAL COLLEGE

PRACTICAL ASSESSMENT

Time: 3 Hours

INSTRUCTIONS TO CANDIDATES

1. Answer **ALL** questions.
2. This is a **practical examination**.
3. Use **Android Studio** with **Java** as the programming language.
4. All user interfaces must be created using **XML layouts**.
5. Save your project using the name format: **DICTUI**.
6. The project should be running on your phone
7. You are required to design the user interface only. No backend or database connection is required unless stated.

QUESTION 1: LOGIN USER INTERFACE DESIGN (30 MARKS)

You are required to design a **Login Screen UI** for an Android application similar to a modern mobile app login page.

TASK REQUIREMENTS

Create an XML layout that includes the following components:

1. A **title text** at the top displaying "**Log in**" (2 marks)
2. An **Email input field** using `EditText` (4 marks)
3. A **Password input field** using `EditText` with password input type (4 marks)
4. A clickable "**Forgot password?**" text below the password field (3 marks)
5. A **Login button** clearly visible and well styled (5 marks)
6. A "**Log in with Google**" button with an icon (5 marks)
7. A "**Log in with Facebook**" button with an icon (5 marks)
8. A "**Not a member? Join Now**" text at the bottom (2 marks)

DESIGN GUIDELINES

- Use appropriate layouts (`LinearLayout`, `ConstraintLayout`, or `RelativeLayout`)
- Proper spacing, margins, and alignment must be applied
- Use appropriate text sizes and colors
- The UI must be user-friendly and visually appealing

