



FACULTY OF ENGINEERING, DESIGN AND TECHNOLOGY
DEPARTMENT OF COMPUTING AND TECHNOLOGY
EASTER 2026 WORKSHOP PRACTICE TEST 1

PROGRAM: BSCS, BSDS, BSIT, DIT

YEAR: 1 **SEMESTER:3**

TEST DATE: 10th Feb 2026

TIME ALLOWED: To be submitted before 11:59 pm

Test Instructions

Library Research Activity: Evidence-Based Problem Exploration (SDG - Digital Solution)

Objective:

To strengthen research and academic writing skills by finding, evaluating, and citing credible sources from the University Library (and reputable institutions).

Instructions:

1. Choose a Topic (SDG and Local Context)

Select one SDG and define a local problem linked to it (Uganda/community/campus). Your topic must include the target group, location, and why the problem matters now.

2. Research Task 1: SDG Evidence Map

Answer the following using evidence from your sources:

- What are the key targets and indicators under your SDG?
- What is the current situation in your country or community regarding this SDG (include at least one statistic)?
- How does your problem connect to a National Development Plan/sector strategy / Vision 2040-type direction?

3. Research Task 2: Digital Development & Solution Thinking

Answer the following using evidence from your sources:

- What are the Principles for Digital Development (briefly)?
- Propose two solution ideas that could address your SDG problem.

- Pick two Principles and explain how they would guide your solution design (justify with evidence).

4. Source Hunt (Minimum 5 Sources, Required Mix)

Use the university library's catalog, databases, and physical resources to find at least 1 source that helps answer Tasks 1 and 2:

- 1 book (*state Call Number and ISBN of the book*)
- 1 scholarly article (*from library e-resources*)
- 1 reliable website (*reputable organization, not blogs/random sites*)

Write down full citation information (author, title, year, publisher, DOI/link, etc.).

5. Note-taking

For each source, write:

- A brief summary (3-5 sentences)
- At least 2 key facts OR short quote
- How the source helps answer Task 1 or Task 2

6. Citations

Use IEEE or APA format (as directed) for:

- In-text citations throughout the report
- A complete bibliography/reference list

7. Typesetting

- Use LaTeX (Overleaf recommended)
Your report must include:
 - Title page (Name, Reg No, Programme, SDG)
 - Headings/subheadings
 - One table (e.g., SDG indicators summary/source comparison)
 - One figure (with caption)
 - Auto-generated references section

8. Reflection (Optional)

Write 5-7 sentences explaining:

- what you learned,
- what your research process was (how you searched), and
- how the library session helped you improve your work.

Assessment Criteria:

- Relevance and variety of sources
- Quality and clarity of notes (evidence-based, credible, well explained)
- Correct citation format and in-text citation use
- Quality of LaTeX presentation (structure, table/figure, clean formatting)
- Thoughtfulness of reflection and academic integrity

Submission Criteria

Online (Canvas Learning Management System)

Submit:

1. PDF report (from LaTeX)

~END OF TEST QUESTIONS~