



INFORMATION AND COMMUNICATION TECHNOLOGY

5924/03

Paper 3 School based project

SPECIMEN 2025-2026

26 hours

Total Marks: 100

INSTRUCTIONS TO CANDIDATES

1. Information and Communication Technology Paper 3 is a school-based project that is to be submitted to ECESWA by 31st October 2025.
2. From the given **Situation** you are to undertake a school-based project which consists of an A4 size **portfolio** and an **ICT Solution**.
3. The work must be original and submitted by yourself as an individual.
4. You are expected to come up with a written proposal by 31st March 2025.
6. You are allowed to consult with your teacher on the development of the project.
7. You are expected to cooperate with the external examiner who will be coming at certain intervals to assess the development stages of your project.
8. You are required to document evidence of the development stages of your project in the portfolio.
9. The portfolio should be availed to the external examiner on demand.
10. You are expected to include all write-ups for the different stages in the **portfolio** which must be submitted to ECESWA by 31st October 2025.

This document consists of **6** printed pages and **2** blank pages.

The **Situation**, of the project is described in Figure 1. From the situation you are to complete the stages as described below.

Project Specification

SITUATION

THEME: DATABASE

You have a medium enterprise business. A database is to be used to store information about customers, stock, staff, suppliers and other relevant information.

Design and create a relational database for your business. The database should meet all, but not limited to the following conditions:

1. It must have 5 or more tables relevant to your business
2. Each table should have at least 5 records
3. It must have at least 2 queries
4. It must include at least 2 data entry forms. Each form should be able to add and delete a record. It should also be able to edit and search data using relevant control and navigation methods.
5. It must have 2 or more reports that carry out calculations
6. Use other elements that will make the database work effectively to meet the intended purpose.

Figure 1

From this **Situation** you are to complete the stages as described below.

The project consists of three (3) stages as follows:

Stage 1- Proposal - 15 marks

Create a proposal of between 600 and 800 words for the identified ICT solution for a given situation. The proposal will be submitted in soft copy (pdf) and hard copy by 31st March 2025. The proposal should include:

- Introduction – background. [1]
- Purpose of the project. [1]
- Problem statement – identification of proposed ICT softwares to meet the needs of the specialized situation. [3]
- Justification – why use the particular ICT solution to solve the problem? i.e. Analysis of research leading to a justified reason for using ICT solution. You should provide at least 4 justifications for your ICT solution. [5]
- Methodology – Outline the stages to be followed to achieve the final solution [4]
- Time frame – anticipated completion dates for each stage of project [1]

Stage 2 - Development stages (of ICT solution) - 75 marks

Design (30 marks)

Create a design documentation for the ICT solution. This must include:

- Hardware and software requirements [5]
- Data flow diagrams and relationships between tables [5]
- Design the required data types and file structures [5]
- The design of tables, forms, and screen layouts(reports) [15]

Testing (10 marks)

Create a detailed test plan of the ICT solution and of the final product. It must include the following:

- Test plan [4]
- module testing and improvements [3]
- final product testing [3]

Implementation and Product realization (25 marks)

Develop the ICT solution based on the design specification and system requirements.

Product realisation will be the fully properly completed ICT solution (software) which should be completed to a high standard, made with precision and accuracy.

Documentation (10 marks)

Produce a user document. This must include:

- purpose of the system, [1]
- hardware and software requirements, [1]
- how the system works, [3]
- how to load/run/ software, [2]
- error messages, error handling, [1]
- troubleshooting guide/helpline, [1]
- frequently asked questions, [1]

Stage 3 Evaluation (10 marks)

You are required to evaluate your completed ICT solution against the original tasks requirements.

The evaluation must include:

- How the completed ICT solution meets your business requirements? [2]
- Issues you identified and how you overcome them [4]
- Limitations of the system and improvements that can be made [4]

Write-up and Submission mode for the different stages of the project

Font: Arial, 11 pts, 1.5 line spacing.

All write-ups should be submitted electronically in pdf format, as a hard copy booklet. The final product of the created software should also be submitted.

Checklist:

Items to be submitted to ECESWA

ITEM	DATE SUBMITTED
Formal proposal document	
Design specification document	
Test plan containing iterative tests of iterative test during development of the database and final testing	
Completed ICT solution (software)	
User documentation	
Final evaluation report	

Submission Dates

- Proposal by 31st March 2025
- Project Report and Portfolio by 31st October 2025

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