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**INFORMATION AND COMMUNICATION TECHNOLOGY**

**5924/03**

Paper 3 School based project

**2022**

**26 Hours**

**Total Marks: 100**

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**INSTRUCTIONS TO CANDIDATES**

1. Information and Communication Technology Paper 3 is a school-based project that is to be submitted to ECESWA by 30<sup>th</sup> November 2022.
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 29<sup>th</sup> July 2022.
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 30<sup>th</sup> November 2022.

A **Situation** of the project is described in Figure 1. Using the situation, you are to complete the 3 stages of this project.

### **Project Specification**

<p style="text-align: center;"><b>SITUATION</b></p> <p><b>THEME: ICT SOLUTIONS</b></p> <p>You work for a small business that will be exhibiting at a trade fair organised by the city council. All exhibitors will have the opportunity to deliver a half-hour presentation to potential clients/customers at the event. You will need to create an ICT solution to present information about your business and showcase the products and services offered.</p> <p>You must make good use of the software features to produce a professional solution. It must integrate dynamic information from other sources such as images, charts, videos and audio</p> <p>Use this solution chosen to meet the following conditions:</p> <ol style="list-style-type: none"><li>1. It must have presenter notes</li><li>2. It must have transitions and animations</li><li>3. It must have hyperlinks</li><li>4. It must have a master slide.</li></ol> <p>After the presentation you are required to give the audience hard copies of this information to take away with them. Create one of the following business documents for this purpose:</p> <ol style="list-style-type: none"><li>1. Brochure</li><li>2. Flyer</li><li>3. Poster</li><li>4. Newsletter</li></ol> <p>Make sure that your work is relevant to the target audience and meets the intended purpose of attracting new customers.</p> <p>You must use a consistent house style, logo and colour scheme across all the work you produce.</p>
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**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

A proposal on how to solve a given situation using ICT solutions between 800 and 1000 words. The proposal will be submitted in soft copy (pdf) and hard copy by 29<sup>th</sup> of July 2022. The proposal should include:

- Introduction – background and purpose of the project [2]
- Problem statement – identification of ICT solutions that could be used to solve the situation given. [2]
- 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 [5]
- Methodology – explain the steps of the system life cycle to be followed to achieve the final solution. [4]
- Time frame – anticipated completion dates for each stage of project [1]
- References – list of sources of information [1]

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

#### Design (30 marks)

Produce a system design document which should include details of the design to solve the given problem. This must include:

- Design of master slide and slides [7]
- Design of multimedia elements including tables, still and moving images company logo and house style [5]
- Hardware and software requirements [3]
- Animations and slide transitions [2]
- Presenter notes [3]
- Hard copy document - Brochure / Flyer / Poster / Newsletter

Your hard copy document design must include:

- 'Company logo' Company details
- Objectives of hand out
- Fonts to be used
- Colour schemes
- Objects to be included. i.e tables, images, shapes [10]

#### Testing (10 marks)

This is the detailed test plan that will be carried out in each stage of development of the ICT solution and of the final product. It should also include the test results and improvements or changes made to the system as a result of testing

- 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 you created in Stage 2.

Product realisation will be the completed ICT solution (software) which should be completed to a high standard, made with precision and accuracy. It should meet all that was set in the design specification and system requirements.

**Documentation (10 marks)**

Produce a user document. This must include:

- purpose of the system, [2]
- hardware and software requirements, [2]
- how to launch [2]
- how to save [1]
- how to print [1]
- frequently asked questions, [2]

**Stage 3 Evaluation (10 marks)**

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

The evaluation should include:

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

**Report/Portfolio Submission mode**

Report should be submitted as a softcopy in pdf format and as a hard copy booklet. This document must be presented in Arial font style, size11 with 1.5-line spacing.

**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 ICT solution and final testing	
Completed ICT solution (software)	
User documentation	
Final evaluation report	

The Project is assessed by the subject teacher and the external examiner over the duration of the project.

The external examiner will assess each stage of the project.

**Submission Dates**

- Proposal by 29<sup>th</sup> July 2022
- Project Report and Portfolio by 30<sup>th</sup> November 2022



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