
PROG 101 • INTRODUCTION TO STRUCTURED PROGRAMMING

Department : Faculty of Information & Communication Technology
Semester : 2
Commence Date : Week 4
Deadline Date : Week 12

Major Assignment 20% (100 Marks)

Prepared by: Richard Aruna

Approved by AQA:

Signature:

Signature:

Verified by: Oluwatosin Ayorinde

Signature:



RULES AND REGULATIONS:

- You are NOT allowed to work with any other students, or do your work based on information that is available from the Internet, or any other source other than your group
- You are NOT allowed to work together to get a detailed solution, to copy a solution, or to give away a solution to other Students.
- Do NOT let other students see your solution.
- Do NOT email your solution to anyone other than the Lecturer.
- If someone cheats by using your work, you will be penalized.
- You are only three students per group.

REQUIREMENT

Identify any institution (Government or Private) in your local community and understudy their function or services and the system they are using to implement those service. Build a C++ console application to completely automate or fix the problems or flaws in the existing system in your study if it is already automated.

NB: No two group should have the same project from the same institution

QUESTION 1

Your application should implement the following in c++:

Modularization (Function)

File and Stream (Read and Write to File)

IO Stream (cout, cin)



QUESTION 2

In your application you are required to implement the following concept and principles in C++ programming and Highlight them as topics -indicating a code snippet used - in your report:

Algorithm

Flowchart

Pseudo code

Outcomes

On successful completion of this project, students will be able to:

- Analyze, design and develop console application using C++.
- Understand and implement some basic C++ concepts and principles.
- Identify real life problems and find technological solution to them.

Submission:

This assignment must be submitted on time or before the due date (week 12)

Format: Minimum of 5 printed pages for the report, Font (Tahoma 11), line spacing (1.5)

Marking Criteria:

Application Run	40
Content	30
Report Content	20
Presentation Skills	5
Ability to answer questions	5
Grand Total	100