

061306T4CSC

COMPUTER SCIENCE LEVEL 6

ICT/OS/CS/CR/06/6/A

Develop an Information System

Nov/Dec 2024



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION
COUNCIL (TVET CDACC)**

PRACTICAL ASSESSMENT

Time: 3 HOURS

INSTRUCTIONS TO CANDIDATE:

1. You are required to perform the following tasks
 - i. *Task 1: Develop Pharmacy Information System using VB.NET*
2. You have been provided with the following resources for the practical tasks:
 - *Computer with Microsoft visual studio, Database management system software (Microsoft SQL server) installed.*

TASK: Develop Pharmacy Information System

(50 marks)

Destro Pharmacy sells medicines to individual patients.

The pharmacy consists of a store and dispensing area. When drugs are received, they are recorded and kept in the store.

The store issues certain quantities of each drug to the dispensing area before being dispensed to individual patients.

You are required to develop a pharmacy information system that:

- i. Can allow a user to enter the drugs received by the store. The drug details should include – drug code, batch no, date of expiry, and quantity.
- ii. Can allow user to receive drugs to the dispensing area (from the store) such that when a given drug quantity is received in the dispensing area, the drug quantity in the store is reduced by the same amount.

Create an interface for receiving drugs, include the following fields: drug code, batch no, date of expiry, quantity, date of receipt

- iii. Can allow user to issue drug to patients from the dispensing area. Details of drugs issued to a patient should include patient Id, Drug code, Batch No, Quantity, and Price.
- iv. Can enable one to Add, Edit, or Delete record.
- v. Generate Inventory Report that lists drugs and their current quantities in store
- vi. Generate Daily, Weekly, or Monthly sales reports

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