

Homework**L4 All****Tr . N. Eraste****ICT Skills****Scenario:**

A vocational training center uses computers to store **students' records, exam files, teaching materials, and software applications**. Recently, some files were misplaced, others were accidentally deleted, and the system became slow when searching for documents. The system administrator decides to review how the **operating system file system** works in order to improve file organization, access, and security.

Questions

- a) What is a **file system** in an operating system?
- b) Explain **four (4) main functions** of a file system.
- c) How does the file system help in **organizing and managing files**?
- d) Identify **two (2) common file systems** and state where they are used.
- e) How does a file system help in **protecting data**?