

Learning Guide Unit 6

Overview

UNIT 6: Computer Architecture

Topics:

- Introduction to computer architecture
- Central processing unit (CPU) design
- Instruction set architecture (ISA)
- Machine Languages
- Z80 Microprocessor and Interrupts

Learning Objectives:

By the end of this Unit, you will be able to:

- Determine computer architecture types for specific applications and understand real-world impacts.
- Examine machine languages for Z80 microprocessor.
- Summarize the importance of interrupt handling.

Tasks:

- Read the Learning Guide and the Reading Assignment
- Complete the Discussion Forum Assignment by posting in the Discussion Forum
- Respond to two of your fellow classmates' posts in the Discussion Forum
- Complete and submit the Assignment Activity
- Take and submit the Self-Quiz
- Take and submit the Graded Quiz

