

# Digital Systems

## Principles and Applications

PEARSON

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### Chapter 1 Objectives

- *Selected areas covered in this chapter:*
  - Analog & digital representations.
    - How information is represented using two states.
  - Advantages/drawbacks of digital/analog techniques.
    - Analog-to-digital and digital-to-analog converters.
  - Basic characteristics of the binary number system.
    - Convert binary numbers to decimal equivalents.
  - Identify typical digital signals & a timing diagram.
  - Differences between parallel & serial transmission.
  - Major parts of a digital computer, their functions.
    - Properties of memory.

# Digital Systems 11th Edition

**R Sandford**



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