## AN INTRODUCTION TO INFORMATION PROCESSING

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- 1.1 Common household appliances that contain some kind of programming capability
- 1.2 Common business equipment that include some kind of programmable features
- 1.3 Broad classification of computers
  Criteria for classification
- 2. Architectural Overview & Configuration Concepts
  - 2.1 Computer Systems: Basic Components
  - 2.2 Microprocessors, microcomputers, microcontrollers, and minicomputers
  - 2.3 Number systems in microprocessors/microcomputers
  - 2.4 Memory Hardware RAMs and ROMs
  - 2.5 Input/output Hardware Peripherals
  - 2.6 Equipment Configuration Peripherals' Choice: An example
  - 2.7 Peripherals in Data Processing
  - 2.8 Real Time Processing
  - 2.9 Video Terminal (Keyboard/CRT stations)
  - 2.10 Diskette (floppy Disk) Basics
    - 2.10.1 Data Access Time (floppies)
    - 2.10.2 Typical diskette specifications

## 2.11 Printers

- 2.11.1 Line-at-a-time printers
- 2,11.2 Character-at-a-time printers
- 2.11.3 An example: daisy-wheel printers
- 2.12 Data Communications
- 3. A Software Glimpse
  - 3.1 A Software Indroduction
  - 3.2 A familiar Situation: A computers banquet
  - 3.3 Hardware versus Software
  - 3.4 Program Building Methodology Steps
- 4. Man-Machine Communication Interface
  - 4.1 Man-Computer Dialogues
    - 4.1.1 Categories of terminal operators
    - 4.1.2 Types of approach to man-computer dialogue
  - 4.2 Keyboard design and Facilities User's view
    - 4.2.1 Special-purpose keys on the terminal
    - 4.2.2 Other features and facilities
- 5. Word Processing Workshop
  - 5.1 Word Processing Systems: Classification
  - 5.2 Word Processing: Typical System Configuration
  - 5.3 Word Processing Software Packages
  - 5.4 A Final Word