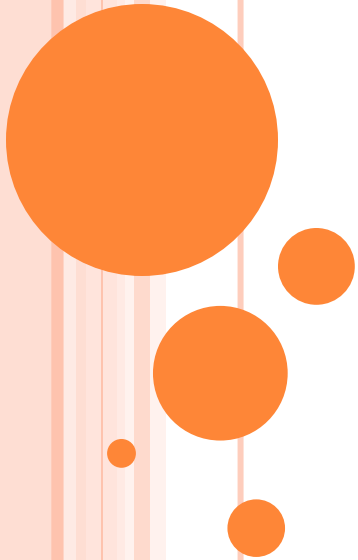


**CPE101**  
**COMPUTERS AND**  
**COMPUTING FOR ENGINEERS**

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**Lecture 2**  
**Computing System (continued)**



# CLASSIFICATION BY PURPOSE

- General purpose
  - designed to handle a wide range of problems
  - uses alterable instructions to handle any problems
  - application areas
    - Payroll/ Banking
    - Billing/ Sales analysis
- Special purpose
  - designed to solve a restricted class of problems
  - typically hardwired and not programmable
  - application areas (computers designed to solve)
    - navigational problems
    - missile/ airplane/ drone control
    - vehicle assembly / manufacturing industry

# INPUT/OUTPUT DEVICES

## ○ Input Devices

- Keyboard
- Mouse
- Scanner
  - Magnetic Ink Character Recognition (MICR)
  - Optical Mark Reader (OMR)
  - Optical Character Recognition (OCR)

## ○ Output Devices

- Visual Display Unit
  - soft copy
- Printer
  - hard copy
  - impact (e.g. Dot-matrix) / non-impact (laser/inkjet) printers

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