# SNS COLLEGE OF TECHNOLOGY

**Coimbatore-35**
**An Autonomous Institution**

Accredited by NBA – AICTE and Accredited by NAAC – UGC with 'A+' Grade
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

## DEPARTMENT OF INFORMATION TECHNOLOGY

# 23ITT101-PROGRAMMING IN C AND DATA STRUCTURES

I YEAR - II SEM

## UNIT 1 – INTRODUCTION TO C

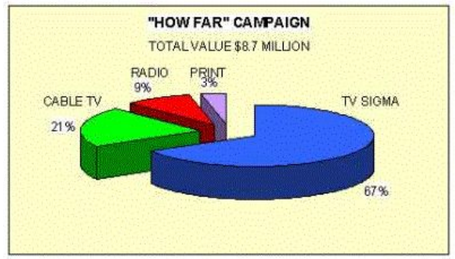
## TOPIC 1 – Basic blocks of computers

# UNIT – 1
# INTRODUCTION TO C

- Basic blocks of computers – Algorithm, Pseudo code, Flowchart - Structure of C program- Data types- Variables - Constants, Operators - Input and Output Statements

DATA

PROCESSING SYSTEM




INFORMATION

# UNIT – 1
# INTRODUCTION TO C

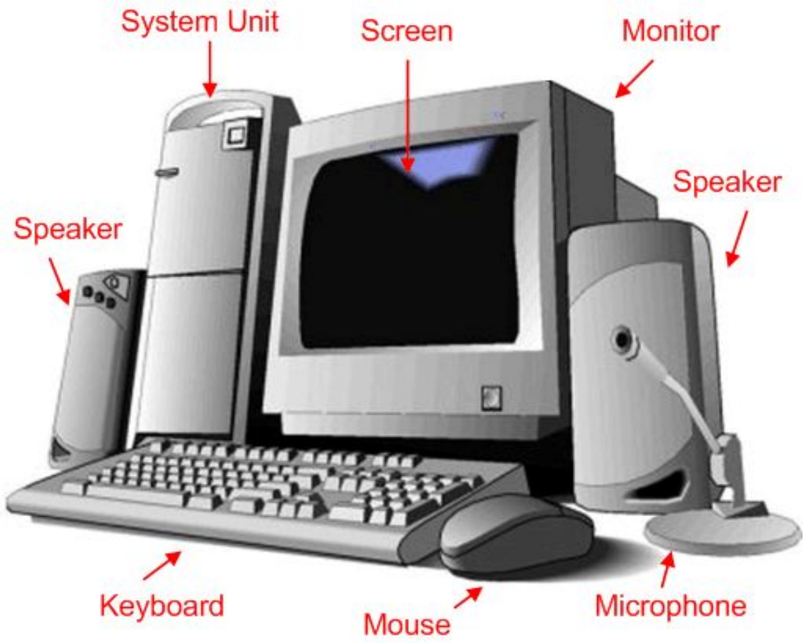
## What is a Computer?

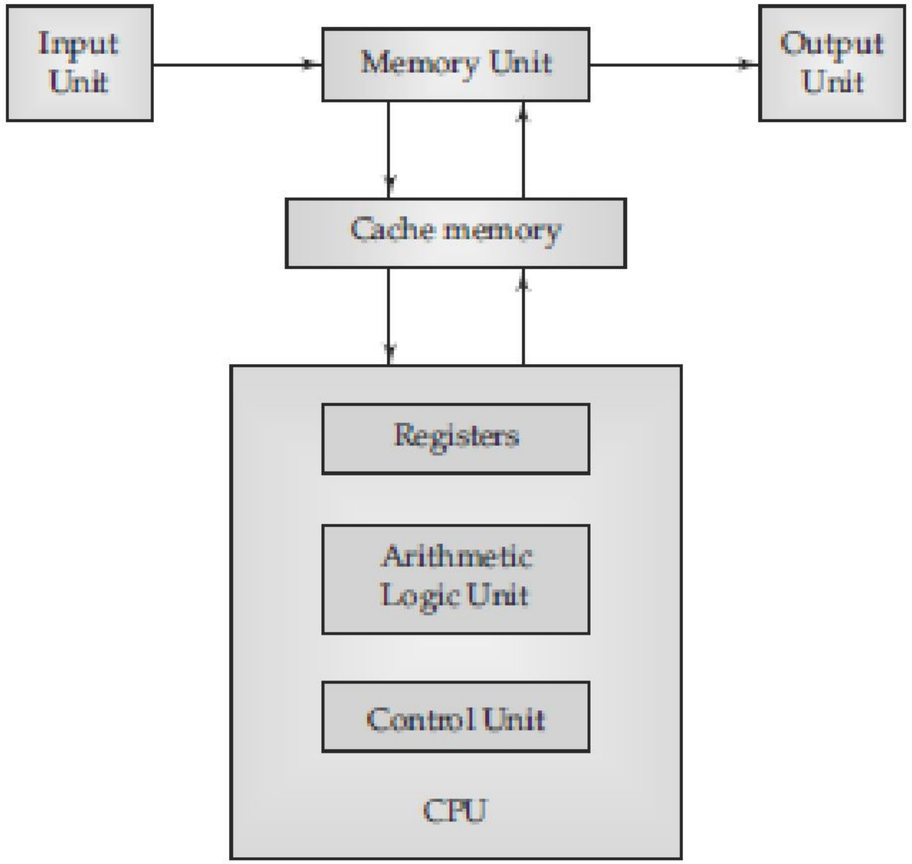
The Computer is an electronic device which operates under the control of instructions stored in its memory and it takes the data from the user, a process that data gives the result and stores the result for future use.

# UNIT – 1
# INTRODUCTION TO C

# BASIC OVERVIEW OF A COMPUTER

- Central Processing Unit (CPU)
- Memory Unit
- Input Devices
- Output Devices
- Secondary Storage Devices



- The computer hardware components are as follows…
- **Input Devices** - These are the parts through which a user can give the data to the computer.
- **Output Devices** - These are the physical components of a computer through which the computer gives the result to the user.
- **Storage Devices** - These are the physical components of a computer in which the data can be stored.
- **Devices Drives** - Using drives, user can read and write data on to the storage devices like CD, floppy, etc.,
- **Cables** - Various cables (Wires) are used to make connections in a computer
- **Other Devices** - Other than the above hardware components, a computer also contains components like Motherboard, CPU

# Input Devices

Keyboard

Mouse

Joy Stick

Mic

Barcode Reader

Stylus/Pen

Web Camera

Touch pad

Touch Screen

Finger Print reader

# Output Devices

Monitor

Printer

Speakers

Head Set

Projector

Plotter

# Storage Devices

Hard Disk

RAM

ROM

CD/DVD

Floppy

Memory Card

Pen Drive

Tape

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