



SNS COLLEGE OF TECHNOLOGY



Coimbatore-36.

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

COURSE NAME :23CST101– PROBLEM SOLVING & C PROGRAMMING

I YEAR/ I SEMESTER

UNIT – I INTRODUCTION TO PROBLEM SOLVING TECHNIQUES

Topic: Fundamentals of Computer

Dr. B.Vinodhini

Associate Professor

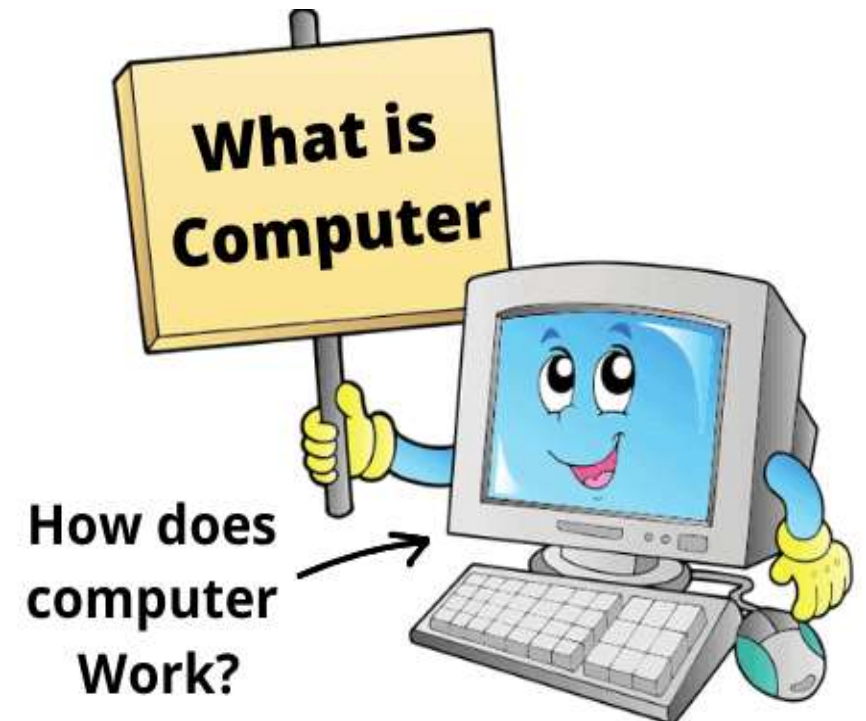
Department of Computer Science and Engineering



Fundamentals of Computer

What is Computer?

- The computer is an electronic machine that takes input from user, process the given input and generates output.
- In the form of useful information.
- The input is data, programs, user reply.





Fundamentals of Computer

Parts of Computer:



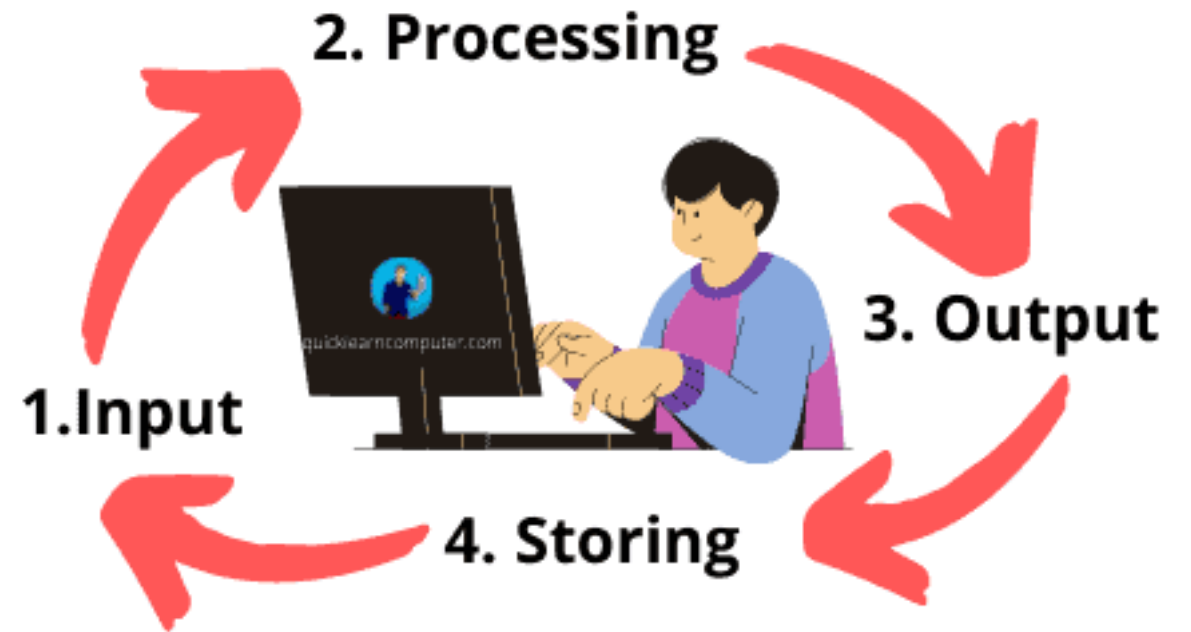


Fundamentals of Computer

Functionalities of Computer:

1. Input Function
2. Processing Function
3. Output Function
4. Storing Function

Basic Functions of Computer



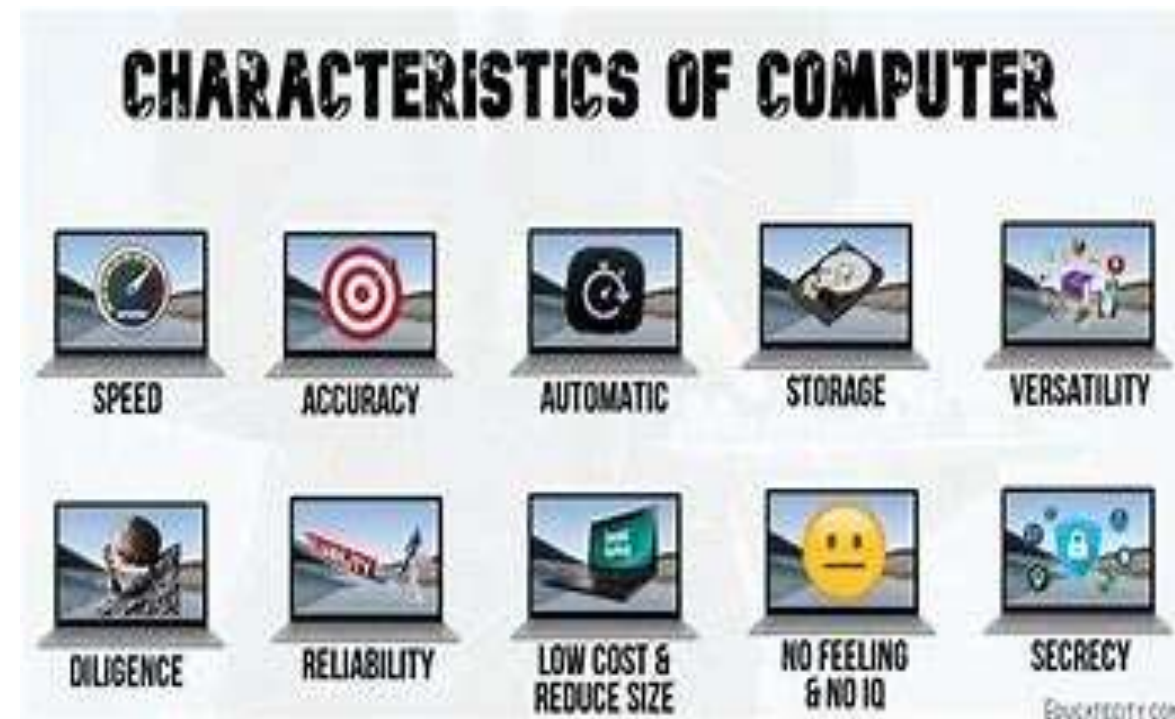


Fundamentals of Computer



Characteristics of Computers:

1. High Speed
2. Accuracy
3. Storage Capability
4. Diligence
5. Versatility
6. Reliability
7. Automation
8. Reduction in Paper Work and Cost





Fundamentals of Computer

Generations of Computer:

| Generations | Period | Technology |
|----------------------------|-------------|-------------------------|
| Early Period | 1000BC-1940 | Abacus, Pascal |
| 1 st generation | 1946-1954 | Vacuum Tubes |
| 2 nd generation | 1955-1964 | Transistors |
| 3 rd generation | 1964-1977 | Integrated Circuits |
| 4 th generation | Since 1975 | Large Scale Integration |
| 5 th generation | Since 1980 | Artificial Intelligence |

Generations of computer



First Generation



Second Generation



Third Generation



Fourth Generation



Fifth Generation





Fundamentals of Computer



Classifications of Computer System:

- **Classification of Computers On the Basis of Size**
 1. Micro Computer
 2. Mini Computer
 3. Mainframe computer
 4. Super Computer
- **Classification of Computer On the Basis of Type**
 1. Analog Computer
 2. Digital Computer
 3. Hybrid Computer
- **Classification of Computer According to Purpose**
 1. Special Purpose computer
 2. General Purpose computer



Thank
you

Thank you!