

Introduction of ICT

- Introduction of Computer
- Working Principal of Computer
- Basic function of computer
- Basic Parts of computer system
 - Hardware
 - Software




Introduction of ICT

- Features of computer/
Advantage of computer
- Disadvantage of Computer
- History of computer
- Generation of Computer
- Types of Computer System

Introduction of computer

- A **computer** is a machine that can be programmed to accept data (input), process it into useful information (output), and store it away (in a secondary storage device) for safekeeping or later reuse. The processing of input to output is directed by the software but performed by the hardware.

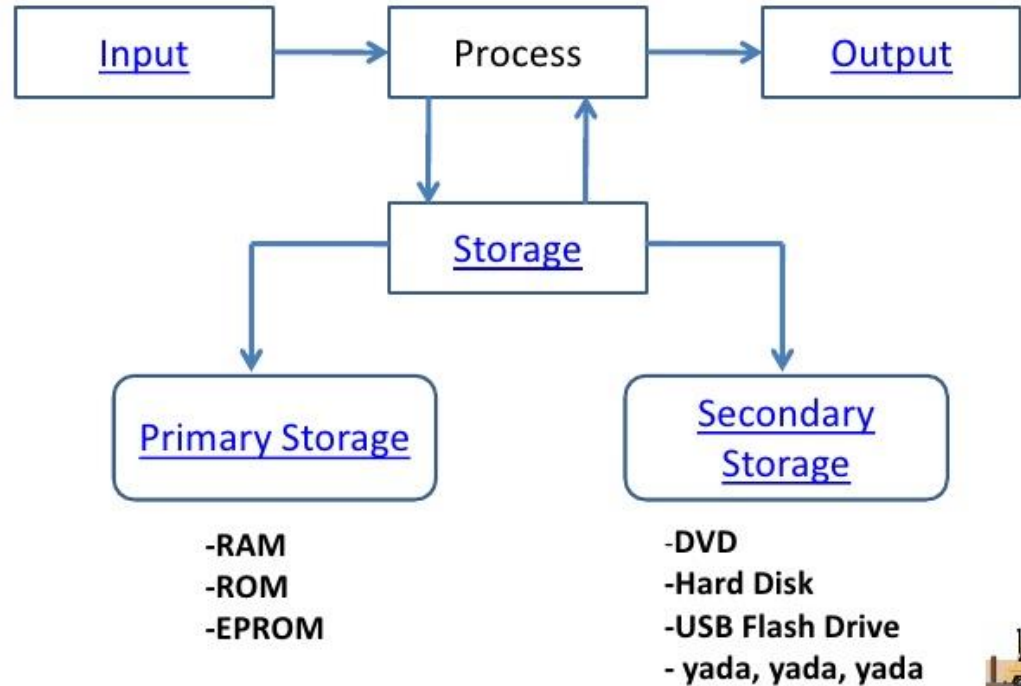


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- A dark grey arrow points to the right from the left edge of the slide. Below it, several thin, curved lines in shades of blue and grey sweep across the left side of the slide.
- Computer is a multi-tasking programmable electronic machine which performs the calculations and processes information with astonishing speed.

Working Principal of Computer

- Input
- Process
- Output
- Storage

COMPUTER WORKING FLOW





Basic Function of Computer

- Inputting
- Processing
- Outputting
- Storing

Basic Part of Computer system

➤ Hardware

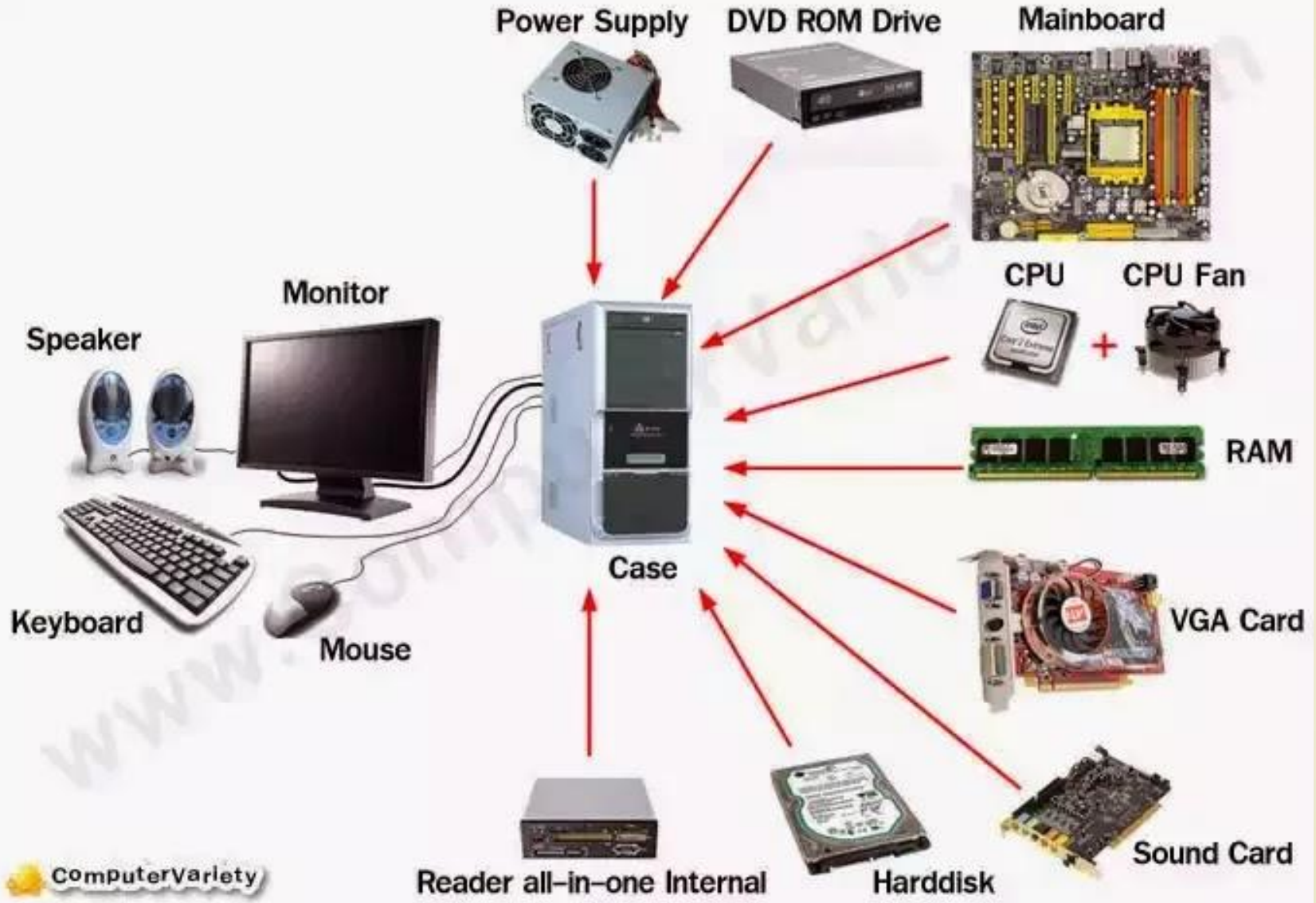
- Input Unit
- Output Unit
- Memory and Storage Device
- Processing Device



Basic Parts of Desktop Computer:

- Monitor/Screen
- Mouse
- Keyboard
- System Unit
- Speaker
- Microphone





COMPONENTS OF COMPUTER



Hardware is the electronic, and mechanical components of a computer that you can physically touch.

All hardware on the computer helps the computer to perform its various tasks.

These components include :

1. Input devices
2. Output devices
3. A system Unit
4. Storage Devices
5. Communication Devices

Software

- ▶ System Software:
Operating System
- ▶ Application Software:
Example

Microsoft Office, School
Management System, Banking
Software, Media player, Adobe
Photoshop

Software ?

➤ Software

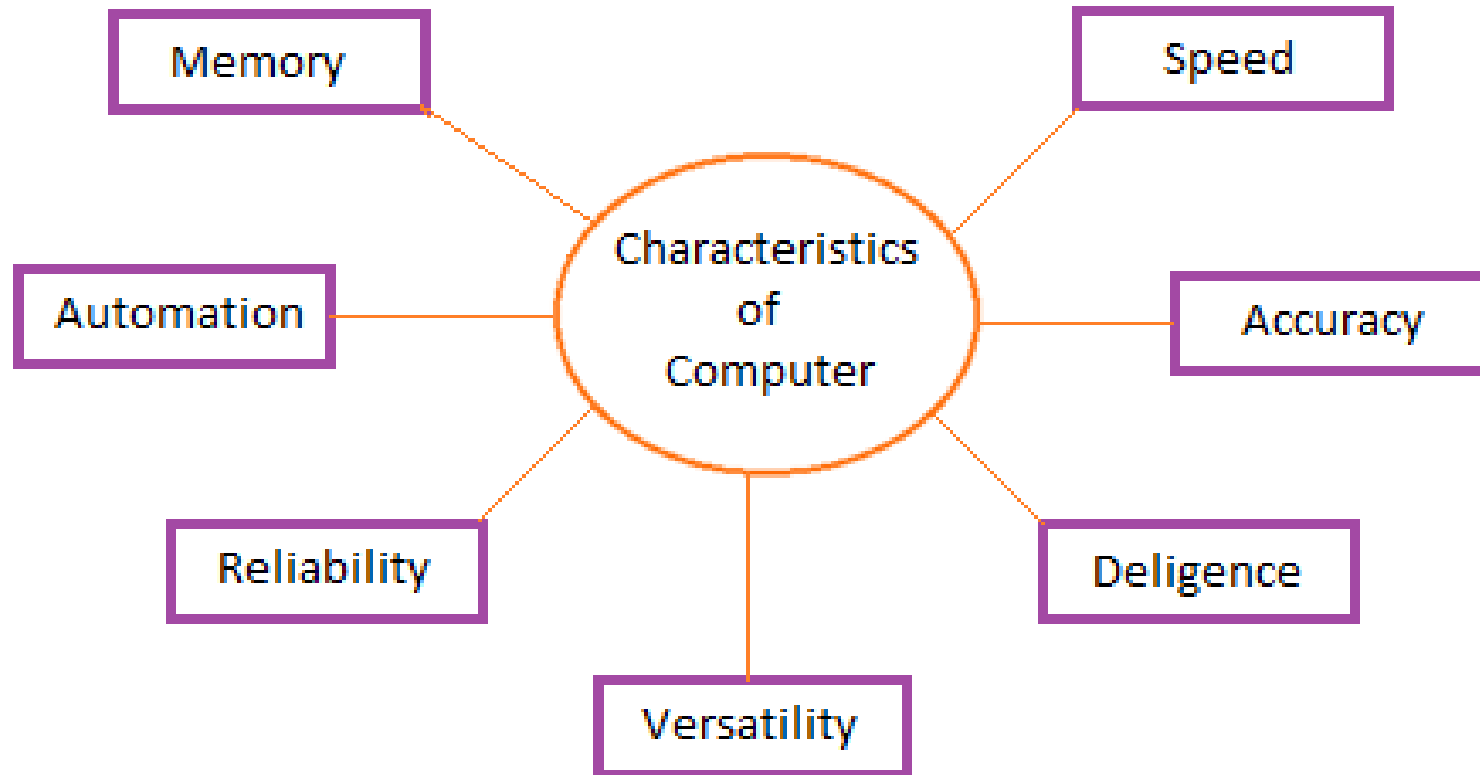
Computer Instructions or data, anything that can be stored electronically is **Software**.

➤ Examples:-

➤ Ms word, excel, power point, spread sheets, library management system etc.



Features of Computer



Advantages of computer

- The computer can perform a complex operation in a short time.
- The computer can process a large volume of data.
- Computer can work continuously for a long time
- A single computer can perform multiple tasks such as watching a movie, playing games, listening song and others.
- The computer does not make a mistake.
- Computer increases the curricular performance of the student.



Disadvantages

- ▶ The computer does not have a brain and cannot decide itself.
- ▶ It does not have its own intelligence.
- ▶ The computer does not have emotion and feelings.
- ▶ It needs electricity to operate.
- ▶ It cannot operate itself, unless, a human command is given.

History of Computer

Date (Approximate in some cases)	Topic
2700-2300 BC	Sumerian Abacus
87 BC	Greek Antikythera Mechanism
1703	Willhelm Leibniz – Binary Numbers
1837	Charles Babbage – Analytical Machine
1843	Ada Lovelace – First Computer Algorithm
1936	Alan Turing – The Turing Machine
1941	Conrad Zuse – 1st Programmable Digital Computer
1947	Bell Labs USA – The Transistor is invented
1963	Douglas Engelbert – 1st Mouse
1968	ARPANET – 1st Computer Network
1971	Kenbak 1
1976	Steve Wozniak – Apple 1
1981	IBM – 1st MS-DOS
1985	Microsoft – Windows 1.0
1990	Tim Berners Lee – WWW
1993	Marc Andresson – Mosaic
2008	IBM Super Computer
2010	Quantum Computing
2012	Neuro Computing

History of Computer



1984
Macintosh



1986
Macintosh Plus



1987
Macintosh II



1987
Macintosh SE



1989
Macintosh IIfx



1989
Macintosh IIfx



1990
Macintosh Classic



1990
Macintosh IIsi



1990
Macintosh LC



1993
Macintosh Centris



1993
Macintosh TV



1995
Macintosh LC



1998
iMac



1999
iMac DV



2001
iMac Patterns



2002



www.bkbhusal.com.np

2004



2006

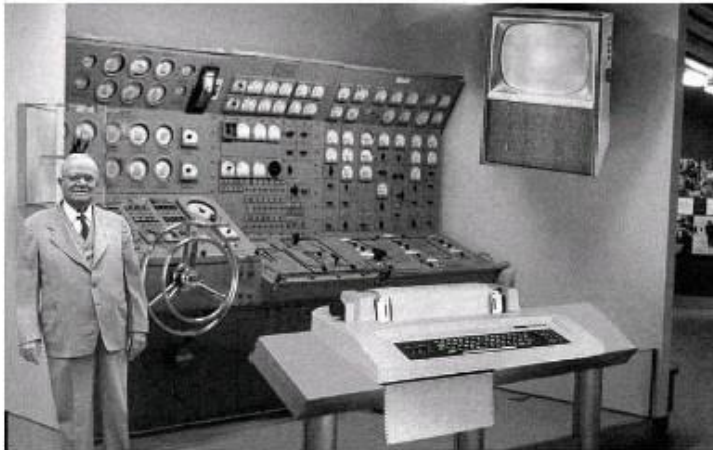


2007

Generations of Computer



Generation of Computer



First Generation



Second Generation



Third Generation www.digitjournal.com.np

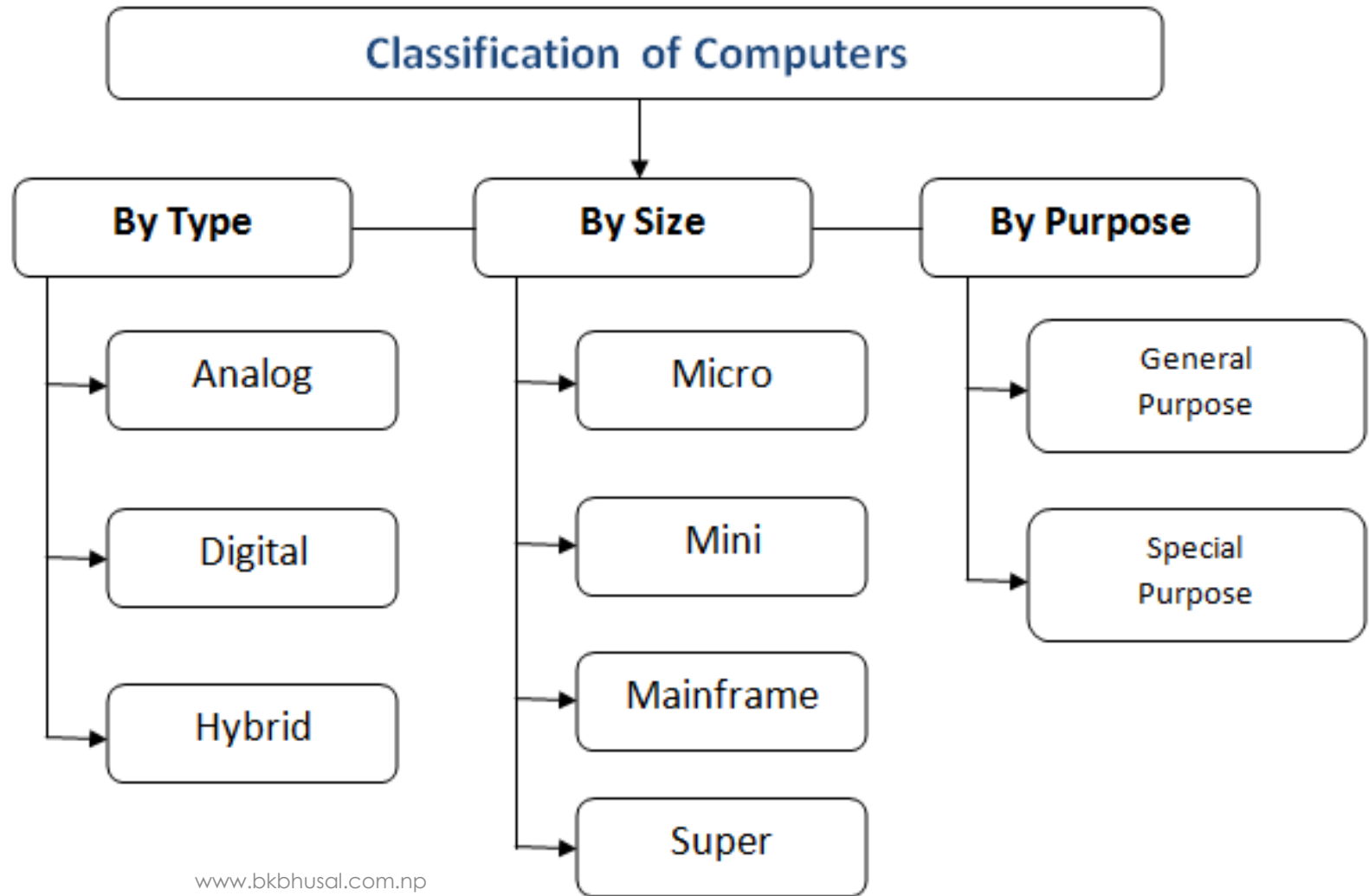


Fourth Generation



Fifth Generation

Types of Computer



Types of Computers



Desktop



Laptop



Personal Digital Assistant



SmartPhone



Netbook



Mainframe



Embedded



Thank You

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