

Computers Types SLO# 1.2.1

COMPUTER TYPES: SLO # 1.2.1

Since the invention of computers from first generation and fourth generation computers, they have been classified according to their types and how they operate that is input, process and output information. We can divide computers into three categories according to electronic nature. Types of computers are classified according to how a particular Computer functions. These computer types are.

1. Analogue Computers
2. Digital Computers
3. Hybrid Computers

- **ANALOGUE COMPUTERS:**

Analogue types of Computer uses what is known as analogue signals that are represented by a continuous set of varying voltages and are used in scientific research centers, hospitals and flight centers with analogue types of computer no values are represented by physical measurable quantities e.g. voltages. Analogue computer types program arithmetic and logical operations by measuring physical changes i.e. temperatures or pressure.

- **DIGITAL COMPUTERS:**

With these types of computers operation are on electrical input that can attain two inputs, states of ON=1 and state of OFF = 0. With digital type of computers data is represented by digital of 0 and 1 or off state and on state. Digital computer type recognizes data by counting discrete signal of (0 Or 1), they are high speed programmable; they compute values and stores results. After looking at the Digital computer type and how it functions will move to the third computer type as mentioned above.

- **HYBRID COMPUTERS:**

Hybrid computer types are very unique, in the sense that they combined both analogue and digital features and operations. With Hybrid computers operate by using digital to analogue convertor and analogue to digital convertor. By linking the two types of computer above you come up with this new computer type called Hybrid.