

## Essay on Computer

### Introduction

Computer is a machine that can carry out complex functions as per the instructions provided by humans. Their high efficiency and ability to perform any task has made them widely in use.

### Components of Computer

Any computer mainly has three main components – Input (I/p) Device, the Central Processing Unit (CPU) and the Output (O/p) Device.

- An input device is used to feed instructions to the computer. Keyboard, joysticks, touch pens are some of the examples of Input devices.
- The Central Processing Unit is the brain of a computer. It consists of the Arithmetic and Logic Unit (ALU) and the Memory Unit. ALU performs all the complex functions while the Memory Unit stores the data and information.
- Output devices are used to display the output as desired by the user. Some of the most common output devices are monitors and printers, etc.

### Types of Computer

Depending on their architecture, size, and performance, computers can be classified into different types as listed below-

- **Supercomputer**

A supercomputer is a high-performance computer that performs much better than the general-purpose computer. Supercomputers require large spaces, often a big room or hall and an effective cooling mechanism to operate.

- **Mainframe Computer**

Mainframe Computers are used by large organizations for critical applications such as bulk data processing, enterprise resource planning (ERP), census, etc. They are larger than personal computers and also have more processing power and speed as well.

- **Personal Computer**

A personal computer is a computer used for personal use. Its unique size, capabilities, and price, makes it suitable to be used as a personal computer. Unlike, mainframe and supercomputers, personal computers are not shared and are solely operated by a single owner.

- **Laptop**

A laptop is also a kind of personal computer, but unlike the conventional personal computer, the desktop, it is handy, portable and lightweight. It is easy to carry a laptop and it is so light that it could be placed comfortably on your lap.

- **Smartphone**

Smartphone widely used today are also a kind of mobile computing device. These operate on their own operating systems; those provide them with a wide range of software adaptability and features like internet, web browsing, cameras, etc.

### Conclusion

Modern-day computers are used in almost every industry depending on the requirements and needs. From supercomputers to laptops to Smartphone's, every device is useful in its own unique way and varies widely in price and specification