



GHANA COMMUNICATION  
TECHNOLOGY UNIVERSITY

INSTITUTE OF CONTINUING  
AND DISTANCE EDUCATION (ICDE)

COURSE CODE	CSIS151
COURSE TITLE	FUNDAMENTALS OF COMPUTING
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### **Computer.**

A computer is an electronic device that receives data as input, processes the data into information and outputs, and stores the information for future use.

### **Basic Steps in Data Processing.**

1. **Input** – Data is entered into the computer.
2. **Processing** – The data is manipulated and transformed into information using software instructions.
3. **Storage** – The information are kept for future use.
4. **Output** – The processed data is presented in a usable form.

## **Hardware and Software.**

The hardware of the computer refers to the physical devices (parts) that made up the computer as a machine. These include, Keyboard, Monitor, Hard Disk Drive, Printer, Processor, Motherboard, and the likes.

While computer software refers to a set of programs that instruct the hardware on what tasks to perform and how to perform them, such as displaying information, processing data, or storing files. Examples include Word processors, Web browsers, games, and many more.

## **Role of Computers in Modern Society.**

Computers play an important role in almost every aspect of life. They are powerful tools used to store, process and share information efficiently and accurately.

In education for instance, computers have transformed learning by enabling online tuition, digital libraries, and interactive learning platforms. Students use computers to conduct research, complete assignments, and attend virtual lectures. Tutors likewise benefit by using software for lesson planning and grading.

In healthcare, computers are used to maintain patient records, schedule appointments, and operate medical gadgets. Doctors use specialized software for diagnosis and treatment planning. Telemedicine, made possible by computers and the internet, allows patients to consult with doctors remotely.

In entertainment, computers are the backbone of gaming, music, and movie industries. People use computers to watch videos, stream music and play online and offline games. Graphic design and animation software help create movies and visual contents.

Overall, computers enhance productivity, improve communication, and provide access to a wealth of information. As technology continues to evolve, the role of computers in society will only become more significant.