

COMPUTER APPLICATIONS IN PHYSICAL EDUCATION

Semester III
Theory Courses
PAPER-II



Unit – I

Introduction to Computer

- Meaning, need and importance of information and communication technology (ICT).
- Application of Computers in Physical Education
- Components of computer, input and output device
- Application software used in Physical Education and sports



Meaning, need and importance of information and
communication technology (ICT)

(Definition of Information)

Information is a representation of data in a sequential order.

Information is precise form of data.

From technical point of view data is a fact, number, name, symbol etc: form which information is takes form.

Information is made up of an ordered set of data.

Example: "Sanjay is 21 years old."

(Information Technology)

Information technology is the technique of collecting data, storing, transforming data into information and transmitting it globally.

Information technology includes a wide variety of method of providing information such as book printing, radio, telephone network, television, news paper, fax, satellite broadcasts, computers and computer networks.

Example: ?

(Definition of Communication)

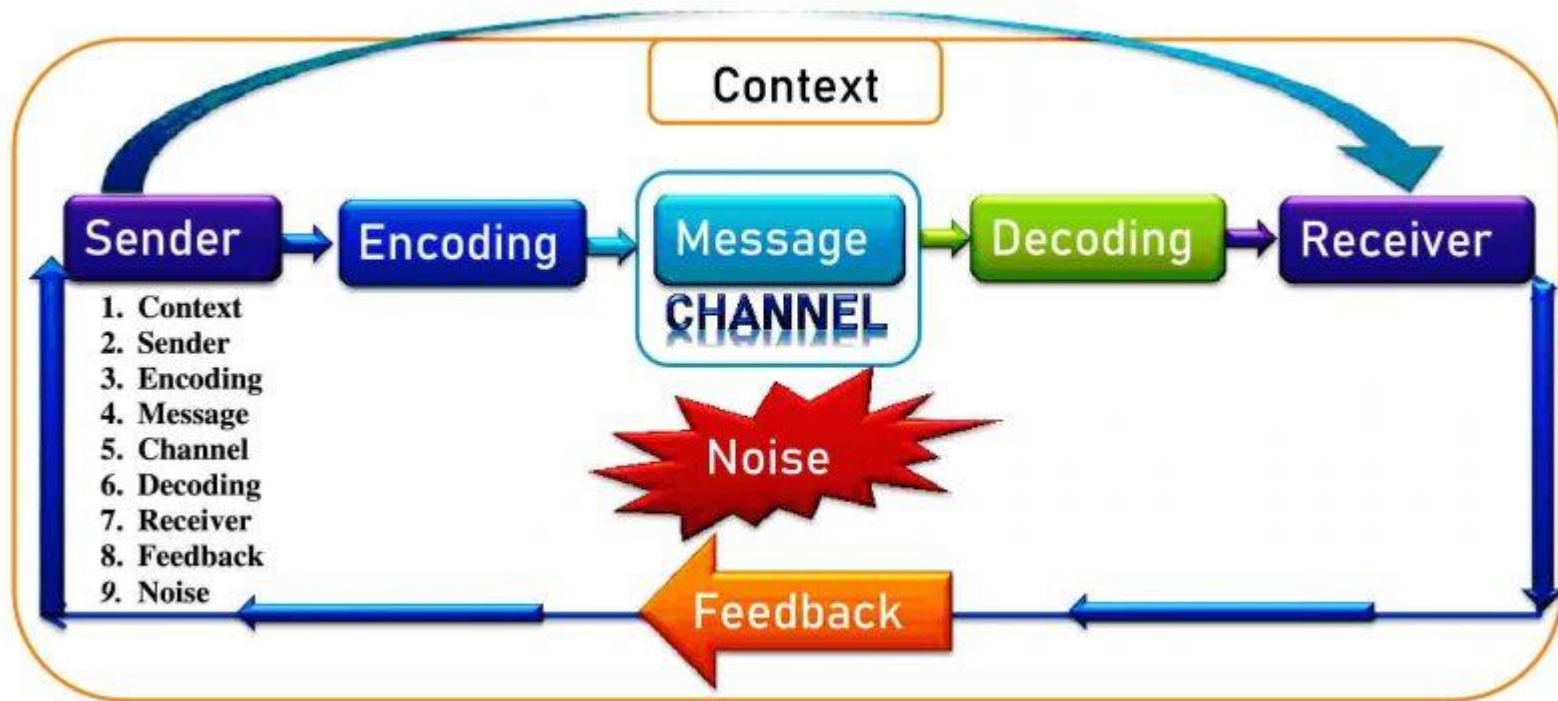
Latin word of communication = Communicare

Meaning: to make common, to share, to impart, to transmit

Communication is a process in which one person communicates feelings and idea to another person on the basis of mutual understanding.

Communication is the two way process, on one hand there is a sender who has a message and on the other hand there is a receiver who responds.

Communication process



(Communication Technology)

Communication technology is **the transfer of messages (information) among people and/or machines through the use of technology.**



ICT

Information and communication technology refers to a connected system of interactive tools and technologies that are used to send and receive information. Whether it be an individual or an entire company, if a single entity is using multiple types of technology to communicate, they must be linked to ensure efficiency.

However, information and communication technology is considered to be a collection of services that aim to upscale basic tasks.

Components of ICT

The term information and communications technology (ICT) is generally accepted to mean all technologies that, combined, allow people and organizations to interact in the digital world.



Need and Importance of Information and Communication Technology

- ❖ Speed-up the work
- ❖ Help to develop the formal and informal education areas
- ❖ Teleconferencing
- ❖ Virtual Classes setups
- ❖ Distance learning
- ❖ Mass Communication