



**BHARATHIDASAN UNIVERSITY**  
**TIRUCHIRAPPALLI-620 024,**  
**Tamilnadu, India**

**Programme : Master of Physical Education**

**Course Title: INFORMATION & COMMUNICATION  
TECHNOLOGY IN PHYSICAL EDUCATION**

**Course Code : 21MPE41**

**Unit -I**

**Communication & Classroom Interaction**

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**Guest Lecturer**

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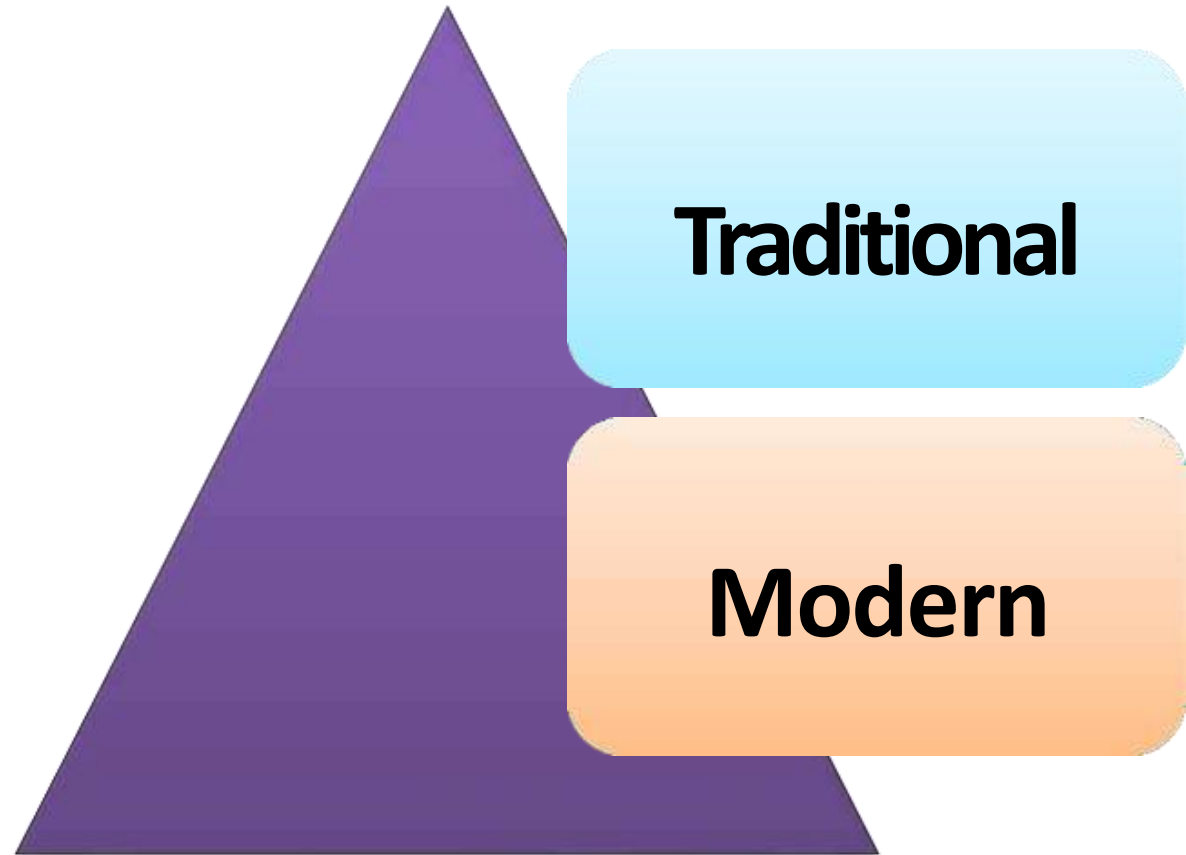
# Definition

- "ICT stand for information and communication technologies and is defined, as a "diverse set of technological tools and resources used to communicate, and to create, disseminate, store, and manage information."
- "ICT implies the technology which consists of electronic devices and associated human interactive materials that enable the user to employ them for a wide range of teaching - learning processes in addition to personal use."

# Concept of ICT

- **Information technology (IT) that can help in coping with the information explosion**
- **Information technology (IT) is the acquisition, processing, storage and dissemination of vocal, pictorial, textual and numerical information by a micro-electronics - based combination of computing and telecommunication.**

# Classification



# ICT and Education

- ❑ ICT to enhance teaching and learning environments.
- ❑ ICT enables self-paced learning through various tools such as assignment, computer etc as a result of this the teaching learning enterprise has become more productive and meaningful.
- ❑ ICT helps facilitate the transaction between producers and users by keeping the students updated and enhancing teachers capacity and ability fostering a live contact between the teacher and the student through e-mail, chalk session, e-learning, web-based learning including internet, intranet, extranet, , TV audio-video aids, CD-ROM.
- ❑ Edusat technology has become very powerful media for interactive participation of experts and learners and it reaches the unreachable.
- ❑ Emerging learning Technology (ELT) of blogging, Integrated Learning Modules, a pod cast, Wikis, Enhancement of Browsers, e-learning, M-learning, U-learning have started making rapid strides in teaching learning processes.

# NEED of ICT

## **Why ICT in Education?**

- The rapidly growing usage of technology in today's world is pushing teachers to consider the integration of ICT into the classroom.
- ICT can be used as a tool for motivating students to learn in a different way.
- ICT can be effective and efficient.
- ICT gives learners immediate access to richer source materials.
- It can be dynamic and interactive.

# Uses in Education

- To broadcast material, online facility or CD-ROM can be used as sources of information in different subjects.
- To facilitate communication for pupils with special needs.
- To use electronic toys to develop spatial awareness and psycho-motor control.
- To use the Online resource like, email, Chat, discussion forum to support collaborative writing and sharing of information.
- To facilitate video-conferencing or other form of Teleconferencing to involve
  - wide range of students from distant Geographic areas.
- For Blended learning by combining conventional classroom learning with E-learning learning systems.
- To process administrative and assessment data.
- To exchange and share ideas -among teachers for the professional growth.
- To carry out internet-based research to enhance , educational process.

# Uses and Advantages

- **Students**
- **Teachers**
- **Guidance and Counseling personnel**
- **Educational Planners**
- **Research Workers**
- **Desirable changes and resolution - Formal and Non-formal Education and Instruction**



**Physical Resources**  
(Computers and Telecommunications)

**Digital Resources**  
(Relevant Content in Diverse Languages)

**Human Resources**  
(Literacy and Education)

**Social Resources**  
(Community and Institutional Support)



Effective Use of ICTs to Access, Adapt, and Create Knowledge



**Physical Resources**  
(Computers and Telecommunications)

**Digital Resources**  
(Relevant Content in Diverse Languages)

**Human Resources**  
(Literacy and Education)

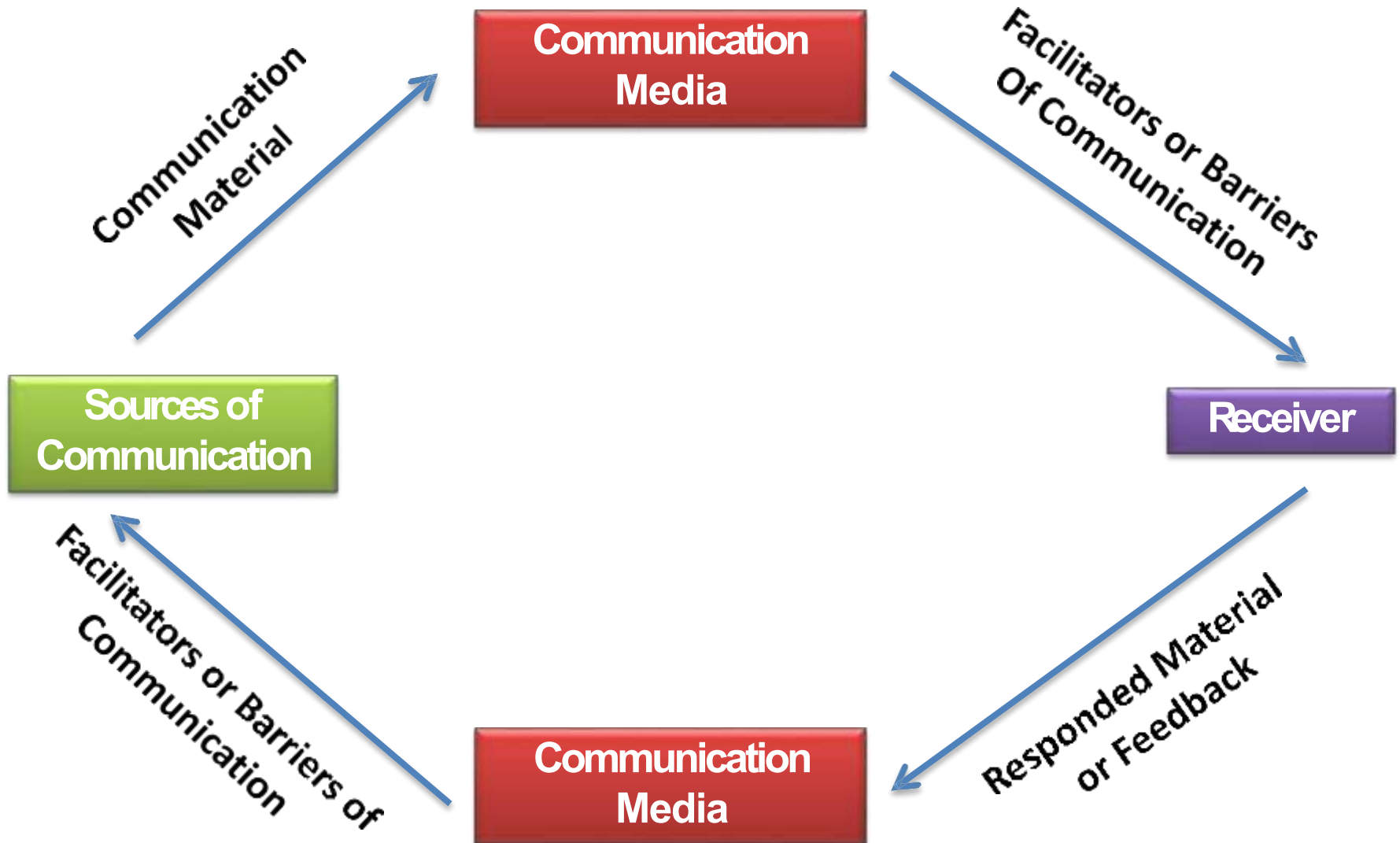
**Social Resources**  
(Community and Institutional Support)

In online tutoring, the student logs into his or her tutor through the use of internet at home. The student asks the question and teacher replies it by writing on smart board or using powerpoint presentation.



**Classroom  
Online**

# Process of Communication



# Process of Communication

- **The source of communication or sender of the message**
- **Contents of communication or message**
- **Media or channel of communication**
- **The Receiver of the communication**
- **Response material or Feed back**
- **Facilitators or Barriers of communication**
  - **Internal barriers of Communication**
  - **External barriers of Communication**

# Internal barriers of Communication

- **Poor physical health or illness**
- **Poor previous knowledge and general knowledge**
- **Poor mental health and improper psychological make up**
- **Handicapped in understanding the symbolic expression, verbalism and graphical representation etc**