PGED S2-04

Exam. Code: ET

# EDUCATIONAL TECHNOLOGY

## SEMESTER II

# EDUCATION

## BLOCK 2

KRISHNA KANTA HANDIQUI STATE OPEN UNIVERSITY

## Subject Experts

1. Prof. Swarnalata Das, Dept. of Education, Gauhati University
2. Prof. Gayatree Goswamee, Dept. of Education, Gauhati University
3. Dr. Sadhana Goswami, Dept. of Education, Cotton College

## Course Co-ordinator: Dr. Arunima Borah & Dr. Indrani Kalita, KKHSOU

**SLM Preparation Team**

| UNITS | CONTRIBUTORS |
|---|---|
| 9 | **Dr. Indrani Kalita,** KKHSOU |
| 10 | **Dr. Pranab Saikia,** KKHSOU |
| 11,13,14,.15 | **Dipsikha Das,** Digboi B. Ed. College, Digboi |
| 12 | **Dr. Arunima Borah,** KKHSOU |

## Editorial Team

**Content Editors** : **Dr. Dulumoni Goswami,** Gauhati University
: **Dr. Maramee Goswami,** Guwahati College
: **Dr. Nilima Deka,** L.C.B College, Gauhati
: **Dr. Rupa Baruah,** B. Borooah College

**Language Editors** : **Dr. Prasenjit Das,** KKHSOU
: **Ms. Chayanika Roy,** KKHSOU

**Format Editor** : **Dr. Arunima Borah,** KKHSOU

**Structure, Format & Graphics** : **Dr. Arunima Borah,** KKHSOU

***Printed: September, 2021***

***ISBN:* 978-93-91026-47-9**

This Self Learning Material (SLM) of the Krishna Kanta Handiqui State University is made available under a Creative Commons Attribution-Non Commercial-ShareAlike4.0 License (International): http.//creativecommons.org/licenses/by-nc-sa/4.0.

*Printed and published by Registrar on behalf of the Krishna Kanta Handiqui State Open University.*

**Head Office : Patgaon, Rani Gate, Guwahati-781 017**

**City Campus: NH-37, Khanapara, Guwahati-781 022; Website: www.kkhsou.in**

## CONTENTS


| | | Page No: |
|---|---|---|
| **Unit 9 :** | **Micro-teaching**<br>Concept of Micro-teaching, Characteristics of Micro-teaching, Objectives of Micro-teaching, Importance of Micro-teaching, Phases of Micro-teaching, Assumptions of Micro-teaching, Merits or Utility of Micro-teaching, Limitations of Micro-teaching, Concept of Teaching Skills, Different Teaching Skills. | **187-200** |
| **Unit 10:** | **Flanders' Interaction Analysis Categories System**<br>Meaning of Classroom Interaction Analysis Technique, Flanders' Interaction Analysis Categories System (FIACS), Assumptions of FIACS, Process of Flanders Interaction Analysis, Advantages and Limitations of FIACS. | **201-224** |
| **Unit 11:** | **Programmed Instruction**<br>Meaning of Programmed Instruction, Definitions of Programmed Instruction, Nature of Programmed Instruction, Principles of Programmed Instruction, Objectives of Programmed Instruction, Stages of Programmed Instruction, Types of Programmed Instruction, Merits of Programmed Instruction, Demerits of Programmed Instruction. | **225-247** |
| **Unit 12:** | **Internet**<br>What is Internet, Major Constituent Characteristics, Uses of Internet in Modern Education and Communication, Disadvantages of the Internet. | **248-261** |
| **Unit 13:** | **Language Laboratory**<br>Meaning of Language Laboratory, Definitions of Language Laboratory, Characteristics of Language Laboratory, Objectives of Language Laboratory, Kinds of Language Laboratory, Steps to Carry Out the Activities of the Language Laboratory, Advantages of Language Laboratory, Limitations of Language Laboratory, Equipment or Instruments of a Language Laboratory. | **262-282** |
| **Unit 14:** | **Distance Education And Technology**<br>Meaning of Distance Education, Definitions of Distance Education, Characteristics of Distance Education, Objectives of Distance Education, Advantages of Distance Education, Disadvantages of Distance Education, Meaning of Educational Technology, Definitions of Educational | **283-307** |

Technology, Characteristics of Educational Technology, Objectives of Educational Technology, Applications of Educational Technology, Role of Educational Technology in the Field of Distance Education.

**Unit 15: Resource Centre For Educational Technology** **308-339**

CIET (Central Institute of Educational Technology), UGC (University Grants Commission) IGNOU (Indira Gandhi National Open University), NOS (National Open School), State ET Cells (State Educational Technology Cells), AVRC (Audio Visual Research Centre), EMRC (Educational Multimedia Research Centre), NIST (National Institute of Science and Technology)

## COURSE INTRODUCTION

This is the course in Education for the 2nd semester of two years of Master Degree Programme. The course consists of two Blocks. This course tries to provide the wide coverage of the core concepts of Educational Technology. Educational Technology is concerned with the application of laws, principles as well as recent discoveries of science and technology to the process of education. This particular section will introduce you to technology and explain its urgent needs, how it can be able to change your perspective towards teaching and learning process and also the importance of evaluation and research about systematic application of technological laws in the process of education to make it more efficient. Moreover, this course will help you to understand about the relationship of different aspects of technology with that of education. After going through this course, you will have a clear picture about the role of technology towards development of the education process as a whole.

## BLOCK INTRODUCTION

This Second Block is consisted with all total seven units. This block has started from unit nine. This particular unit deals with meaning, objectives and importance of micro teaching. It also gives an attempt to reflect on the significance of micro teaching in raising the standard of teaching learning process. Unit Ten explains flander's interaction analysis and simulation. The Eleven unit tries to reflect on an important topic and that is programmed instruction, its principles, objectives, stages and types. It is also analyzing the merits and demerits of programme instruction. Again, Unit Twelve deals with another important topic that is internet. Along with the utility of internet in education at present, it also focuses on some of its major disadvantages. The unit thirteen brings a new concept and that is language laboratory. It gives clear description of meaning, definitions, characterstics, objectives and kinds of language laboratory. Fourteen unit deals with distance education and technology. This unit has elaborately explained the role of educational technology in the field of education. The last unit (unit Fifteen) explains about research center for educational technology.

While going through this block, you will come across some alongside boxes, which are put on the left side or right side of the text. These boxes will explain you meaning of some words and concepts within the text. Apart from this, there will be some broad and short questions which have been included under "ACTIVITY" and "CHECK YOUR PROGRESS" in every unit. Activities will increase your thinking capacity because questions put in Activity are not directly derived

from text. Hints on the answers to the short questions have been put under sections "ANSWER TO CHECK YOUR PROGRESS". Besides, a few text- related questions have been put in "POSSIBLE QUESTIONS". These questions will help to draw your attention on the probable topics for the examination so that you can prepare for the examination with confidence.

**The Block is divided into seven units:**

Unit 9 : Micro-teaching
Unit 10 : Flanders' Interaction Analysis Categories System
Unit 11 : Programmed Instruction
Unit 12 : Internet
Unit 13 : Language Laboratory
Unit 14 : Distance Education And Technology
Unit 15 : Resource Centre For Educational Technology