

Central Institute of Educational Technology
National Council of Educational Research and Training
New Delhi, India

Online Course on Action Research in Educational Technology

Introduction to the Course

Course Description

The purpose of this course is to provide the knowledge and skills to integrate Action Research as a teaching and problem solving methodology.

Action Research is a process for problem solving and problem verification. The process can be used by an individual, a teacher or a Principal, but studies indicate the process works best through cooperation and collaboration. This course will be taught by employing the attributes of the Action Research process:

- Problem definition/identification, the research questions
- A process of Action Research
- Collection of data
- Data recording and interpretation
- Reporting

After presenting the elements of Action Research and also introducing field of Educational Technology, the participants will employ the process to answer prescribed questions, and discover solutions to classroom related problems. The participants are required to prepare a plan of Action Research on the real problem in the field of Educational Technology.

Objectives

The participants will be able to

- Establish a conceptual framework for Action Research
- Differentiate between "formal" research and Action Research
- Understand basic concepts of Action Research
- Understand conceptual framework for Educational Technology as a field of study
- Design action research projects in the field of educational technology
- Select assumptions that can be verified by action research
- Organize data for verification
- Analyze and interpret data
- Prepare Report

Curriculum Design & Time Requirements

Action research in Educational Technology is a 7-week, 2-credit course conducted online. The primary teaching methodology is to present a conceptual framework within which participants may define operationally the knowledge and skills to use action research in the classroom. Participants will plan an Action Research project and submit report. Most modules take one week to complete (about 2 hours per week). Each week a new Module will be uploaded. There will be one hour synchronous communication as well.

Hardware & Computer Skills Requirements

Participants may use a PC with Windows 2000 or higher or Linux. Participants should have basic word processing skills and have internet access with an active e-mail account. Participants are also expected to have a basic knowledge of how to use a Web browser, such as Internet Explorer, Mozilla Firefox etc. They also must have Video conferencing skills by using Skype or Yahoo Messenger etc. They must possess Webcam and headphone for participating in the conferencing once in a week. During First week participants will be expected to explore how to use various facilities offered by Moodle (which is the Learning Management System for the course)

Course Materials

There are 5 modules specially developed for the course. In addition, online readings and Web site reviews (including journal articles and online books) will be assigned during the course to enhance learning. Participants are expected to read the part recommended for that module.

Session Outline

Session 1: Understanding Action Research

Objective: To provide an orientation to action research and identify the stages of action research.

Session 2: Educational Technology

Objective: To develop the concept of Educational Technology

Session 3: Beginning Action Research

Objective: Improve problem selection for the action research process; to name problems specifically related to teaching and learning in the classroom.

Session 4: data collection and Data analysis in Action Research

Objective: To define the concept of research design and to identify various approaches to action research.

Session 5: Report Writing

Objective: To understand the process of documenting action research..

Session 6: Action Research Project

Objective: Plan an Action Research project

Assessment

Assignment	Points	Grading Scale	
Written Assignments (each module will have one assignment: total 6)	40	100 – 91	A
Objective test (Multiple choice) at the end of the course	15	90 – 76	B
Forum Discussions	15	75 – 60	C
Final Project (Action Research Proposal)	30	> 60	D
Total	100		