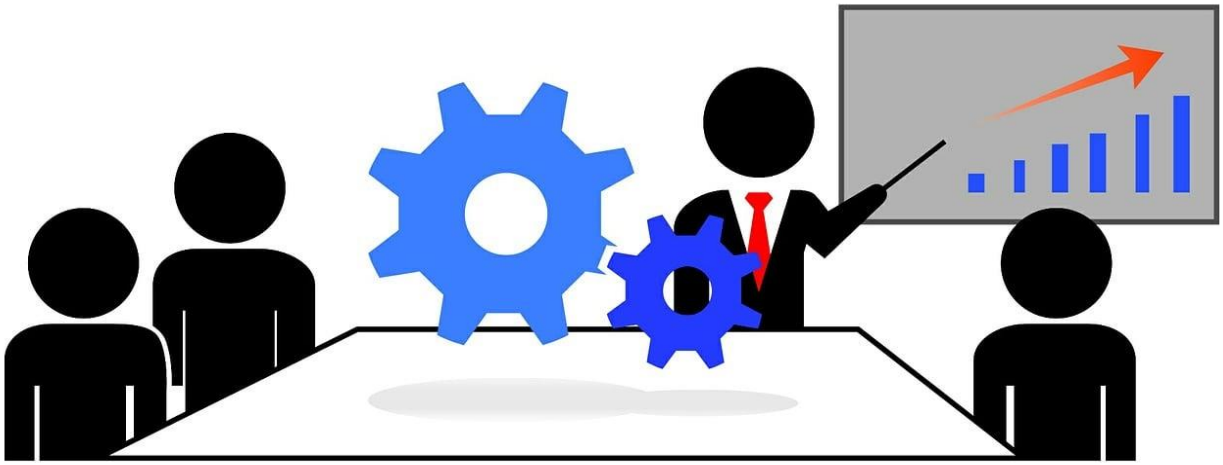
RURAL INSTITUTE OF HIGHER STUDIES, (RIHS.), BHOGRAI- (2021-22)

Add-on Course

(TECHNOPEDAGOGY)



DEPARTMENT OF EDUCATION

RURAL INSTITUTE OF HIGHER STUDIES, BHOGRAI, BALASORE – 756036

COURSE OBJECTIVES

1. To identify the educational requirements and desires of the community.
2. To understand the structure of education, board strategies, and its goals.
3. To design and develop curriculums involving art, science and human values.
4. To support strategies and human resources and material assets with the mission to achieve determined goals.
5. To create appropriate aids and instruments supporting educational purposes.
6. To design educational technology models catering to improve the existing process of teaching and learning.
7. To identify and find remedies to tackle major environmental constraints.
8. To expand and support educational opportunities for people around the world, especially the neglected sections of the community.
9. To manage the entire educational system starting from planning to execution, implementation, and evaluation

SPECIFIC OBJECTIVES

1. To provide education in the use of Information and Communication Technology or ICT.
2. To encourage higher-level thinking and creativity through ICT.
3. To deliver students with a learning experience in instructional technology.
4. To promote computer-based educational resources.
5. To make students aware of **Information Technology.**
6. To determine the practical use of technology integration.

LEARNING OUTCOMES

The objectives of educational technology are process-oriented. The use of educational technology is not restricted to teaching and learning methodologies and theories, but to provide in-depth assistance in the development of an individual's personality. Below is a list on the wide scope of education technology:

- Educational technology will make the teaching-learning process more efficient and process-oriented so, the learners will be able to develop skill, competencies and efficiencies in using 21st century educational technology.
- Educational technology will improve the learning process. Students will able to develop teaching aids and programmed instructional material, etc.
- The advancement of the internet has increased education dissemination all over the world with much ease. Hence mechanism of feedback from learners through the use of technology will improves the quality of teachers training in academic institutions.

- Technology-driven innovative analytical tools and instruments will help in solving educational administrative problems. The learners will be able to participate in different academic and administrative units of the institutions.
- Educational technology serves to develop and understand the structure and nature of teaching. Further it will enable the learner for best utilisation of education technology, supports the scientific foundation and new discoveries.
- Student will plan, develop, communicate, implement and evaluate technology-infused strategic plan.
- Learner will maintain and manage a variety of digital tool and resources for use in technology rich learning environment.
- Student will design, develop and implement technology-rich learning programme that model principles of learning and promote digital age best practices in teaching,learning and assessment.
- Students will demonstrate field experience in a working environment where educational technology services and programmes are used or developed.

DURATION: The entire course will of rigorous 3- months. The classes will be conducted on off-hours. There will be 36 classes to cover the entire courses. Each class will be of one and half hour duration.

ATTENDANCE: 75% attendance is mandatory.

CERTIFICATE: "Certificate of Participation" will be given to each student having 75% of attendance and after the final assessment.

COURSE STRUCTURE

UNIT- I : ***Educational Technology in Formal, Non-formal and Informal Education Structure*** **:** Introduction , Objectives, E.T. in formal, non-formal and Informal Education, Distance Education Open Learning System & ET , Emerging trends in E Video tapes, Radio & TV, Tele-conferencing, CCTV, CAI,INSAT , Problems of new technologies, Evaluation & E T , Resource centers for ET , Let us Sum up. **(16 classes)**

UNIT- II ***Introduction to Production and Script Writing***: Role of Video in Education – Phases of Production: Preproduction – Production – Postproduction – Audio Vs Video Scripts – Visual Writing – Role of Scriptwriter – Script Format: Master Scene, Dual-Column – Concepts, Formats and Types of Storyboard – Copywriting V/s Scriptwriting – Script for Fiction and Non-Fiction – Types of Documentaries – Writing Commentaries – Writing for Long-Form Scripts – Script for Training and Educational Video: Show and Tell – Job and Task Description – Dramatization – Instructional Video – How-to-do Videos. **(16 classes)**

UNIT- III ***Presentation Design Presentation Design:*** Tasks, Resolution, Anti-aliasing, Interface Style, Layout, Interface Elements– Colors: Color Associations, Guidelines for Using Color, Recommended Colors, Colors Combinations to Avoid, Highlighting Techniques – Feedback: Characteristics, Special Effects, Feedback Control. **(8 classes)**

UNIT- IV ***WEB***: WEB 2.0 Computer networks: LAN, WAN, MAN, Internet, Intranet, Extranet, and Client-Server Networks – Internet Connections – Anatomy of HTML file – HTML versions – HTML Editors. **(4 classes)**

UNIT- V ***Infrastructure—Enabling Access and Effective Use***: Ubiquitous Connectivity, Powerful Learning Devices, High-Quality Digital Learning Content, Responsible Use Policies (RUP), Protections for Student Data and Privacy, Device and Network Management, Recommendations. **(4 classes)**

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EVALUATION CRITERIA:

TOTAL – 100

HANDS ON ACTIVITY - 10

PROJECT & VIVA – 25 & 05

FINAL ASSESSMENT - 60