

M Ed Two Year Programme

S.Ic.1 (m) : Information and Communication Technologies in Education : Theoretical Bases

Maximum Marks: 100

Rationale of the Course

This course deals with critical perspectives on Technology / ICT in Education, perspectives of modern, post-modern, critical pedagogy, feminist theories on ICT; national policies and curriculum frameworks on education and ICT related specific policies and frameworks, and its relevance to education. The paper aims to provide understanding on media and new literacies in education. It also aims to develop an understanding on open access, IPR and OER and their importance in the contemporary educational system.

Objectives:

At the end of the course the educational practioners will be able to

- Develop a critical understanding of various theoretical perspectives on computer and internet technologies in education
- Acquire a theoretical understanding of Media and new literacies in Education
- Develop abilities in identifying and using open access tools and materials in their educational purposes
- Analyse various educational policies and frameworks of India and other countries to develop adequate understanding on policies in relation to ICT

Unit 1: Theoretical Perspectives on Computer and Internet Technologies in Education

- Critical perspectives on Technology, Knowledge, Culture and Society in the Information and knowledge era
- Perspectives of Modern and Post-modern theories; Critical pedagogy; Feminist theories on Computer and Internet technologies
- Critical Issues in ICT: Gender and ICT; Globalisation, Education and ICT development
- Legal, Ethical, Socio-political, and environmental issues of ICT in education

Unit 2: ICT: Media, and Meta / New Literacies in Education

- Media Education: Concept of media education, media education and information and communication society; Media, Culture and Education
- New literacies in Education: Information Literacy , Media, Digital, Visual literacies etc. – Concepts, theoretical perspectives, standards

Unit 3: ICT: Open Access

- Concept of Openness and open access; open access mandates and policies; issues related to open access
- Concept of IPR – copy right, trademarks, and patents; components of copy right and various legal instruments related to copy right; alternatives to copy right, open licences
- OER in Education – Conceptual Issues; Incentives, benefits and barriers

Unit 4: ICT: Policies and Frameworks

- National Policies on Education, Policies on ICT in Education, curriculum frameworks, and other documents on ICT in School and Teacher Education: India and other countries

References:

- Burn, A. D. (2007). *Media Literacy in Schools: Practice, Production and Progression*. New Delhi: SAGE Publications India Pvt Ltd.
- Carlson, C. B. (2009). *Guiding Students into Information Literacy: Strategies for Teachers and Teacher-Librarians*. Toronto: The Scarecrow Press, Inc.
- Dusek, V. (2006). *Philosophy of Technology: An Introduction*. Oxford: Blackwell Publishing.
- Feenberg, A. (2010). *Between Reason and Experience: Essays in Technology and Modernity*. London: MIT Press.
- Fuchs, C. (2008). *Internet and Society: Social Theory in the Information Age*. New York: Routledge.
- Hansson, T. (2008). *Handbook of Research on Digital Information Technologies: Innovations, Methods and Ethical Issues*. New York: Information science reference.
- Limberg, L. O. (2012). Three Theoretical Perspectives on Information Literacy. *HUMAN IT*, 11 (2), 93-130.
- McGreal, R. K. (Ed.). (2013). *Open Educational Resources: Innovation, Research and Practice*. Vancouver: Commonwealth of Learning.
- Nyberg, D. (Ed.). (2010). *The philosophy of open education*. London: Routledge & Kegan Paul.
- OECD. (2007). *Giving Knowledge for Free: The Emergence of Open Educational Resources*. Paris: OECD Publishing. Retrieved from www.sourceoecd.org/education/9789264031746
- Rivoltella, P. (2008). *Digital Literacy: Tools and Methodologies for Information Society*. New York: IGI Publishing.
- Selwyn, N. (2010). The 'new' connectivities of digital education. In M. B. Apple (Ed.), *The Routledge International Handbook of the Sociology of Education* (pp. 90-98). New York: Routledge.
- Slyke, C. (2008). *Information Communication Technologies: Concepts, Methodologies, Tools, and Applications* (Vols. I-VIII). Hershey: Information Science Reference.

Stallman, R. M. (2010). *Free Software, Free Society : Selected Essays of Richard M. Stallman* (Second ed.). Boston: Free Software Foundation, Inc.

Tabachnick, D. K. (Ed.). (2004). *Globalization, Technology, and Philosophy*. Albany: State University of New York Press.

UNESCO. (2011). *Media and Information Literacy: Curriculum for Teachers*. Paris: UNESCO.

Web Links

http://mhrd.gov.in/sites/upload_files/mhrd/files/revised_policy%20document%20ofICT.pdf

<http://opensource.org/osi-open-source-education>

<http://unesdoc.unesco.org/images/0021/002134/213475e.pdf>

<http://www.fsf.org/licensing/>

http://www.ncert.nic.in/new_ncert/ncert/rightside/links/pdf/focus_group/educational_technology.pdf

<http://www.teindia.nic.in/NCF.aspx>

http://www.teindia.nic.in/Reports_New.aspx

http://mhrd.gov.in/documents_reports?field_documents_reports_category_tid=19