



**CHRIST**  
UNIVERSITY

**SCHOOL OF EDUCATION**

**CERTIFICATE COURSE SYLLABUS**

**2020-21**

**CERTIFICATE COURSE**  
**INFORMATION AND COMMUNICATION TECHNOLOGY IN EDUCATION**

**Learning objectives**

- To understand the concept of Educational Technology, WEB 2 Technologies, ICT in school education and its application to teaching and learning.
- To explore the tools of educational technology.
- To acquire the knowledge and skill of current and future trends in Educational technology.
- To develop mastery in models of instructional design and enhance creativity and imagination of the learners.
- To become a critical user of ICT.
- To get equipped with presentation tools.
- To understand the concept of MOOC .

**Unit-1 Educational Technology**

**09 Hours**

**Level of Knowledge- Theoretical Knowledge**

Meaning - Definition - Objectives-Forms of Educational Technology-Approaches of Educational Technology- Scope and Significance of Educational Technology - Role of technology in modern educational practices and in the classroom; Web 2 Technologies for classroom- advantages – learning concepts behind Web 2.0- educational responses

**Unit-2 ICT in Education**

**10 Hours**

**Level of Knowledge- Theoretical and Practical Knowledge**

Microsoft Word and its uses, Microsoft excel and its uses, Microsoft PowerPoint and its uses, Prezi - how to make a presentation and execute it. Massive Open Online Courses - Stanford Online, Coursera, Khan Academy,NPTEL, WiziQ,

**Unit-3 Current and Future Trends in Educational Technology**

**11Hours**

**Level of Knowledge- Theoretical and Practical Knowledge**

Social Media as a Teaching and Learning tool , iPads / tablets , Use of video to create global connections, The Flipped Classroom; Innovative Apps for Parent-Teacher Communication- Remind

**Unit- 4 Smart Boards and Educational software**

**15Hours**

**Level of Knowledge - Theoretical and practical Knowledge**

Smart Boards - Downloading the Smart board Software, Orienting the Smart board, Gallery, Floating tools , Customizing the pen tray , Handwriting recognition , Controlling objects , Adding images and text with cut and paste , Adding images to the Smart board gallery ,Inserting links and attachments , Inserting attachments , Hands-on practice.

Educational Softwares – Hot potato, Google classroom, Infographics, Padlet, Survey Monkey, A1 Academia, Moodles

[Total: 45 Hours]

## References

### Essential Reading

Clarke C. (2014) Google's Latest Education Innovation: Google Classroom. Retrieved from <http://teach.com/education-technology/google-for-education>

Kemp C. (2014) The current and future trends in Educational Technology. Retrieved from <http://mrkempnz.com/2014/09/the-current-and-future-trends-in-educational-technology.html>

Fallows S. and Bhanot R. (2005) Quality Issues in ICT-Based Higher Education. Routledge. Retrieved from <https://www.questia.com/library/education/curriculum-and-instruction/educational-technology/ict-in-education>

[TEACH.COM](http://teach.com) (2015) 7 Innovative Apps for Parent-Teacher Communication. Retrieved from <http://teach.com/education-technology/parent-teacher-apps>

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Aggarwal D.D,(2004), Educational Technology, Sarup and Sons

Kumar, K L (1997).Educational Technology: A Practical Textbook for Students, Teachers, Professionals and Trainers. New Delhi

### **Recommended Reading**

Edwards Anthony, (2012) New Technology and Education (Contemporary Issues in Education Studies)

Ellis Viv, (2001) ICT, Pedagogy and the Curriculum: Subject to Change

Heinecke Walt, Adamy Pete, (2010)Evaluating Technology in Teacher Education: Lessons from the Preparing Tomorrow's Teachers for Technology

Prasad Janardan , Kaushik Kumari Vijay, (2002)Advanced Educational Technology, Kanishka Publisher

Rao. K. V.(2003), Educational Technology, APH Publishing

R. Imran. Shaikh (2013)Introduction to Educational Technology & ICT

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Selwyn Neil,(2013) Education in a Digital World: Global Perspectives on Technology and Education

Sharma Ram Nath and Chandra SS(2006) Advanced Educational Technology; Atlantic Publishers

Soni, S K (2004).An Information Resource on Educational Technology for:  
Technical and Vocational Education and Training (TVET). New Delhi: Sarup &  
Sons Publishers.