

Asutosh College

Kolkata

ADD-ON COURSE FOR STUDENTS

**Course title: INFORMATIONS AND COMMUNICATION TECHNOLOGY (ICT)
ONLINE COURSE**

Duration: 30 hours

Medium: Online

Type: Theory and Hands-on Training

Objectives

- To introduce learners with digital information resources with a focus on open access resources and open educational resources.
- To make learners aware about their pivotal role in the present attention economy;
- To secure learners from information vulnerability by introducing them the concepts of misinformation and their digital rights fundamentals;
- To create awareness amongst learners about open access details and support in their learning;
- To spread awareness about different issues of intellectual property rights and copyrights;
- To prevent the generation of misinformation and spreading fake news;

Learning outcomes

- To understand the role of information resources in education and research;
- To acquire digital information literacy skills; and
- To know availability of open access resources and OERs in respective domains.
- To understand the value of human attention in the present attention economy;
- To prevent spreading misinformation and fake news;
- To understand the IPR fundamentals;
- To be aware about open access and open licenses;
- To stop information malpractices;
- To understand the different aspects of plagiarism and become more responsible as a citizen in the society
- To make the learners aware about adopting ethical practices on social media platforms.

Curricula details

Unit 1: Introduction to information resources

- Information Sources – categories and features,
- Role of information resources in education and research;
- Documentary Sources: Primary, Secondary and Tertiary; ebooks; ezines;
- Institutional and Human Sources; Non print materials including digital information sources, Traditional Vs. Digital sources of information, - Reference Sources: Meaning; Categories of reference books;
- Digital and virtual reference services; popular digital reference tools.
(Ex. encyclopedia, dictionary, yearbooks etc.), National Digital Library of India etc.

Unit 2: Information Literacy

- Concept clarification; digital divide; digital natives.
- Searching skills
- Managing social media-Ethics; microblogging platforms;
- Fundamentals of misinformation, disinformation, fake news; preventive measures.
- Parameters for information authenticity: Information security; Website evaluation, vlogging evaluation.
- Attention literacy: attention types; Attention Economy; attention channeling.
- Artificial and emotional intelligence: fundamentals
- Big data; Internet of Things;

Unit 3: Accessing Electronic Resources

- Accessing union catalogues:
 - Global union catalogues
 - National union catalogues
- Accessing bibliographic databases;
- Accessing full-text databases and e-journal portals
- Wiki fundamentals

Unit 4 Intellectual Property Rights (IPR)

- Concept clarifications; types of IPR; Digital rights management;
- Copyrights and Copyleft;
- Open licenses: CreativeCommons and searching commons;
- Open Access (OA) – essential concepts:
 - OA types and paths (Gold, Green, Platinum, Bronze, Hybrid)
- Open Educational Resources (OERs) – Content, Systems and Services
- Plagiarism concepts: information malpractices; information vulnerability

Essential Reading List

Bawden, David & Robinson, Lyn (2012). *Foundations of information science*. London: Facet Publishing.

Dearnley, J. & Feather, J. (2001). *The wired world: an introduction to the theory and practice of the information society*. London: Library Association.

- Delanty, G. (2001). *Challenging knowledge: the university in the knowledge society*. Open University Press.
- Feather, J. (2017). *The information society: a study of continuity and change*. 6th ed. London: Facet Publishing.
- Salvaggio, J. L. (1989). *The information society: economic, social, and structural issues*. Hillsdale, NJ: Lawrence Erlbaum.
- Vickery B. C. & Vickery A. (1987). *Information science in theory and practice*. London: Butterworth.
- Bell, D. (1980). *The social framework of the information society*. In Derrouzos M C & Moses,L. (eds), *The computer age: a twenty year view*. Cambridge: MIT Press.
- Birkerts, S. (1995). *The Gutenberg elegies*. New York: Ballantine.
- Bonk, C. J. (2009). *The world is open: How Web technology is revolutionizing Education*. San Francisco: Jossey-Bass.
- Davenport, T.H. & Beck, J.C. (2001). *The attention economy*, Boston: Harvard Business School Press.
- Lanham, R.A. (2006). *The economics of attention*, Chicago: The University of Chicago Press.

Further Reading List

- Brown, C., Murphy, T. J., & Nanny, M. (2003). Turning techno-savvy into infor-savvy: Authentically integrating information literacy into the college curriculum. *The Journal of Academic Librarianship*, 29(6), 386-398.
- Brown, J. S. (2000). Growing up digital: How the Web changes work, education and the ways people learn. *Change* (March/April), 10-20.
- Dordick, H.S. & Wang, G. (1993). *The information society: a retrospective view*. Newbury Park, CA: Sage.
- Drucker, P. (1998). From capitalism to knowledge society. *The knowledge economy*, 15-34.
- Foster, A., & Rafferty, P. (2016). *Managing digital cultural objects : Analysis, discovery and retrieval*. Facet Publishing.
- Franks, P. C. (2018). *Records and information management*. Facet Publishing.
- Gilchrist, A, Ed. (2009). *Information science in transition*. London: Facet Publishing.
- Halonen, R. (2008). Action learning with an information system project: Subjective reflections. *Reflective Practice*, 9 (1), 98-99.
- Hegarty, B., Penman, M., Brown, C., Coburn, D., Gower, G., Kelly, O., . . . Moore, M. (2005). *Approaches and implications of eLearning adoption in relation to academic staff efficacy and working* . Palmerston North: Universal College of Learning and Ministry of Education.
- Heine, C., & O'Conner, D. (n.d.). 21st century digital information fluency model. Retrieved April 13, 2009, from <http://21cif.com/resources/difcore/>

Machlup, F. (1984). *The economics of information and human capital*. Princeton: Princeton University Press.

McGarry, K. J. (1993). *The changing concept of information: an introductory analysis*. (2nd. ed.). London: Facet Publishing.

Masuda, Y. (1980). *The information society as post-industrial society*. Washington, D.C.: World Future Society.

Singha Roy, D. K. (2014). *Knowledge society: new identities in emerging India*. New York: Cambridge University Press.