Learning Outcomes:

- 1. At the end of the course, the students will appreciate the importance of being ethical when conducting research and publishing activities by the end of the course.
- 2. They will be able to distinguish between good and bad publishing procedures, as well as how to spot questionable publishing techniques and publishers.
- 3. More crucially, there will be a greater understanding of the term "open access," as well as contributions of research output to open access publishing platforms.
- 4. The students will also become familiar with the software and databases required for conducting research.

References / Readings:

- 1. Bird, A (2006). Philosophy of Science. Routledge
- 2. Dutta, D. S. (2021). *Research & Publication Ethics in Social Science*. New Delhi: Bharti Publications.
- 3. Gliner, J. A., & Morgan, G. A. (2000). *Research Methods in Applied Settings: An Integrated Approach to Design and Analysis.* Lawrence Erlbaum Associates.
- 4. Lefkowitz, J. (2003). *Ethics and Values in Industrial-Organisational Psychology*. Lawrence Erlbaum Associates.
- 5. Stanley, B. H., Sieber, J. E., & Melton, G. B. (n.d.). *Research Ethics: A Psychological Approach.*
- 6. Todorovich, M., Kurtz, P., & Hook, S. (n.d.). *The Ethics of Teaching and Scientific Research*.

LIS - 621: Digital Library Systems

(4 Credits/100 Marks)

Course Description:

This course will enable students to learn the functioning of digital libraries with respect to the services that are provided online for the users of the library.

Course Objectives:

To know what a digital library is and its functionalities.

To ascertain the process of digitization and the equipment requirements.

To study in detail the open-source digital library software.

To create an awareness on management of digital resources.

Course Outline

Unit - I: Digital Library

Digital Library - Concept and Definition, Characteristics, Need for Digital Libraries, Online databases and Information Retrieval Systems (IRS), Digital Knowledge Organisation, Digital Library Services, Search Interfaces, Digital Library Software.

Unit - II: Digital Library Architecture

Digital Library Architecture, Interoperability, Compatibility - Protocols and Standards. Born digital, Hosting platforms – Self hosting, Mirrored hosting/shared services. DOI, Open URL, CrossRef.

Unit - III: Digitization

Digitization – Definition, Process of digitization, Problems and Challenges of Digital Preservation, Digital Preservation Strategies, Metadata Harvesting, OAI-PMH, Digital Rights Management (DRM) and Digital Preservation, Major Digital Preservation Programmes, Digital Preservation Initiatives in India, Archival Management.

Unit - IV: Open Access Initiatives

Open Access Movement, Digital Library Software: Case study of digitization projects

Study of selected Digital Libraries: NDLI, NzDL.

Learning Outcome:

At the end of this course the students will learn different new ways and means of managing and handling web enabled activities such as Website management, LMS operations, IR management etc.

References / Readings:

- 1. Andrew, C. (2010). Introduction to digital library management. London: Facet Publishing.
- 2. Chowdhury, G. G. (2003). Introduction to Digital Libraries. London: Facet Publishing.
- 3. Ganguly, R. C. (2007). *Digital libraries: Challenges and prospects*. New Delhi: Isha Books.
- 4. Jones, R. e. (2006). *The institutional repository*. Oxford: Chandos Publishing.
- 5. Lawson, N. (2018). Digital Library Preservation Strategies. United Kingdom: EDTECH.
- 6. Purcell, A. (2016). *Digital library programs for libraries and archives: Developing, managing, and sustaining unique digital collections.* Massachusetts: MIT Press.

15 Hours

18 Hours

12 Hours

15 Hours

- 7. Rajasekaran, K. (2010). *Digital library basics: a practical guide*. New Delhi: Ess Ess Publications.
- 8. Richard, J. (2006). The institutional repository. Oxford: Chandos Publishing.
- 9. Singh, R. S. (2008). Encyclopaedia of digital libraries. New Delhi: Anmol Publishers.
- 10. Witten, L. H., Bainbridge, D., Nichols, D. M., & Fox, E. A. (2010). *How to build a digital library* (English ed.). Amsterdam: Elsevier.

LIS - 622: History of Books and Reading

(4 Credit/100 Marks)

Course Description:

The course comprises a study of books and print culture from antiquity, Middle Ages to the present with emphasis on print in Goa and India. Throughout the course, students will explore shifts from orality to literacy, from writing to printing, and finally from analogy to digital media. The creation, production, distribution, and reception of books and serials will be discussed, and aspects of humanities and scientific scholarship will be explored in relation to the development of the history of book and print culture.

Learning Objectives:

To introduce students to the study of book and print culture and to survey the literature and scholarship of this field. The students will get familiarity with book history and the connection between books and society.

Course Outline

Unit - I: Introduction

Introduction: The Book, Book history. Oral culture, Early libraries and writing systems: Clay tablets, Papyrus, Palm leaf, Stone inscriptions, Manuscripts, Codex, Wax tablets, Parchment, Monastic copying. Sumerians, Egyptians, Indians, Chinese, Meso-Americans, and the Islamic world. Xylography, History of Paper. Book culture before printing. Medieval manuscripts and Bindings. History and Current trends in reading.

Unit - II: History of Printing

Woodblock Printing, Movable type printing and Gutenberg's Press, Spread of printing in Europe. Impact of printing press – Religious, Social, Educational.

10 Hours

10 Hours