

ONLINE LEARNING RESOURCES/COURSES LISTS FOR LIBRARY AND INFORMATION SCIENCE

For a **Library and Information Science (LIS) curriculum**, it is useful to include online learning resources from **SWAYAM, NPTEL, Mahadnyandeep, Spoken Tutorial, and other MOOCs**. The following list may be incorporated under a section titled **“MOOCs and Online Learning Resources for LIS Students and Researchers.”**

A. SWAYAM Courses (LIS-Specific)

1. BLI-221: Library, Information and Society
 - Instructor: Prof. Kunwar Singh
 - Institution: IGNOU, New Delhi
2. BLI-011: Libraries: An Introduction
 - Instructor: Prof. Zuchamo Yanthan
 - Institution: IGNOU, New Delhi
3. BLI-225: Communication Skills (Library and Information Science)
 - Instructor: Prof. Zuchamo Yanthan
 - Institution: IGNOU, New Delhi
4. BLIE-226: Management of Library and Information Centres
 - Instructor: Dr. Ashok Kumar
 - Institution: IGNOU, New Delhi
5. BLII-013: Information Sources and Library Services
 - Instructor: Dr. Archana Shukla
 - Institution: IGNOU, New Delhi
6. BLI-223: Organising and Managing Information
 - Instructor: Dr. Pawan Kumar Saini
 - Institution: IGNOU, New Delhi
7. Library Automation and Digitization
 - Instructor: Dr. Ashok Kumar
 - Institution: IGNOU, New Delhi
8. Senior Secondary: Library and Information Science (339)
 - Instructor: Ms. Manju Chrungu
 - Institution: National Institute of Open Schooling (NIOS)

B. NPTEL Courses Relevant to LIS

1. Information Retrieval: IIT Kharagpur
2. Database Management Systems: IIT Madras / IIT Kharagpur
3. Data Analytics with Python: IIT Roorkee
4. Introduction to Machine Learning: IIT Madras
5. Social Networks: IIT Madras
6. Knowledge Management: IIT Delhi
7. Big Data Computing: IIT Kanpur
8. Data Science for Engineers: IIT Madras
9. Cloud Computing: IIT Kharagpur
10. Cyber Security and Privacy: IIT Madras

11. Research Methodology: Various IITs and IISc
12. Technical Writing: IIT Bombay

C. Spoken Tutorial Courses (IIT Bombay)

1. Koha Library Management System
2. DSpace Institutional Repository
3. LibreOffice Suite
4. LaTeX
5. Python Programming
6. PostgreSQL Database
7. Linux Operating System
8. Git and GitHub
9. Scilab
10. R Programming

D. Mahadnyandee Online Courses (YCMOU)

1. Library Classification
2. Library Cataloguing
3. Information Sources and Services
4. Digital Libraries
5. Research Methodology
6. Information Technology Applications in Libraries
7. Knowledge Organization
8. Academic Writing and Research Ethics
9. Library Automation
10. Information Literacy

E. International MOOCs Useful for LIS Students

1. Research Methods: Coursera (University of London)
2. Academic Information Seeking: Coursera
3. Data Visualization: Coursera (University of Illinois)
4. Introduction to Data Science: edX (Harvard University)
5. Digital Humanities: edX
6. Metadata Fundamentals: Coursera
7. Open Science and Research Data Management: Future Learn
8. AI for Everyone: Coursera (Andrew Ng)
9. Python for Data Analysis: Coursera
10. Scholarly Communication and Open Access: edX / FutureLearn