

Solapur University, Solapur

(Revised Syllabus for M.Phil./Ph.D./ Course in LIS)

M.Phil./Ph.D. /Course Work Syllabus.

Subject: Library and Information Science

Faculty: Social Science

From June 2014-2015 onwards

(Subject to the Modifications to be made from time to time)

Solapur University, Solapur
Department of Library & Information Science
M.Phil./Ph.D. Course Work

The course work of M.Phil./Ph.D. programs primarily intends to develop research skills of researchers and LIS professionals working in Academic, Public, Special libraries and similar Library systems and information / Documentation centers. In particular, it enhances and enriches their professional knowledge and research insight as well.

Paper-I – Research Methodology.

The aim of this paper is to develop research skills in research scholars and enable them to carry out research in Library & information science.

• **Objectives:-**

1. To give an advanced exposure to the student about the research and development.
2. To develop acquaintance with intensive techniques and skills of research process.
3. To familiarize the art and style of writing a research report.

1. Research General –

- Meaning need, process.
- Spiral scientific method
- Types of Research- Pure, Applied and Action research.
- Kinds of Research – Diagnostic, Descriptive, exploratory Explanatory.
- Research Ethics.

2. Typology for Literature Search-

- Typology for literature search.
- Scientific methods – Components of scientific methods.
- Formulation of research problems.

3. Research Design –

- Types of research Design – Historical, design, Descriptive design, Formation of Hypothesis; Synopsis writing.

4. Research Methods-

- Brief Review of general research methods.
- Research methods in Library & Information science.
- Use and user study.
- Field study.
- Future research : Delphi Techniques.

5. Data Collection Techniques –

- Sampling
- Interview
- Observation
- Questionnaire
- Bibliometrics
- Webometrics

6. Data Analysis & Interpretation –

- Geographical & Graphical presentation of data
- Statistical analysis (Measure of central tendency measure of dispersion regression and correlation chi-square test)
- Statistical package
- Tools of argument (Definition, Analysis, Synthesis, Interpretation, inference)

7. Research Reporting:-

- Structure, style and contents.
- Style manuals (Chicago, APA, MLA).
- Citation styles – Footnotes, References.
- Evaluation of research.
- Current trends in LIS research.

8. Computer Application for Research

- Word Processing.
- Data Processing.
- Graphical Processing.
- Use of Web-2 tools for research.
- Use of excel.
- Use of spss.
- Use of graphical software.
- Use of multimedia tools.

Recommended Books-

1. Busha, Charles and Harter, Stephan S. Research methods in Librarianship. Techniques and Interpretation, Orlando, Academic press, 1980.
2. Charles H.et.al Research Methods in Librarianship: Techniques and Interpretations, New Delhi Sage 1993.
3. C. Fowler, F. J., Survey Research Methods. New Delhi, Sage 1993.
4. Goode, W.J. and Hatt P.K Methods in Social Science Research. New Delhi, McGraw Hill, 1986.
5. Leddy, Paul. D. Practical Research: Planning Design. London, Clive Bingley 1980.
6. Line, M.B. Library surveys, London Clive Bingley, 1967.
7. Nicholas, D. and Ritchil, M. Literature and Bibliometrics London clive Bingley, 1979.

Paper –II Recent Trends in Library & Information Science

The aim of this paper is to introduce recent trends in Library & Information science. Also create understanding among the students about emerging role of ICT.

1. Information and Communication Technology

- Origin and Growth.
- Role of ICT in the development of LIS Centers.
- Web 2.0 and Library 2.0
- E-governance.

2. Digital Libraries-

- Concept, need, characteristics.
- Infrastructural facilities & digitization software(D space, Greenstone Digital Library software etc.)
- Planning of Digitization.
- Content creation for DL.
- Intellectual Property Right Issues (IPR)
- Digital Collection (e-books, e-journals etc.)
- Collection development of E-resources.
- Organization and preservation of E-resources.
- Digital Libraries in the World.
- Metadata i.e Dublin core.

3. Resource Sharing

- Resource sharing: Concept, resource sharing at national International Level, Areas of Research.
- Resource sharing in the Internet Era.
- Consortia (UGC - INFONET, INDEST, J-Store, J-gate)

4. Relational Database Management System (RDBMS)

- Introduction and concept of RDBMS.
- DBMS vs. RDBMS.
- RDBMS software: Proprietary and Open Source.
- Interfaces for RDBMS using SQL.
- Development of database using My SQL with appropriate Operating system i.e. LINUX, Window etc.

5. Network and Security measures

- Network components: UTP Optical Fibers, Ethernet, Network Interface Card, Hub.
- Routers, Modems and requirement of Wi-Fi.
- Planning of computer networks in Library and Information Centre.
- Network Security measures, Firewall and other such measures. Internet security.
- Electro Magnetic Security System, Close Circuit T.V. Camera, RFID.

6. Information Literacy Types

- Concept, need.
- Methods of imparting information literacy programmes.
- Contents of information literacy programmes.
- Library Literacy.
- Visual Literacy.
- Media Literacy.
- Computer Literacy.
- Digital Literacy.
- Network Literacy.
- ACRL standards for information literacy.
- IFLA's standard for information Literacy.

Recommended Books:

1. Carter. Roger: The information Technology Hand Book, London and Heinemann, 1987.
2. Jennie, F.M.A. Librarian's Guide to the Internet: A Guide to searching and evaluating information, Oxford: Chandos Publishing 2006.
3. Lancaster F.W. Electronics publishing and their implications for libraries and beyond, London, Clive Bingley, 1990.
4. Lucy, A Tedd. An Introduction to computer based library system, Ed.3 Chichester, Willey 2005.
5. Richard Jones, The Institutional Repository, Oxford, Chandos publishing, 2006.
6. Vishwanathan, T. Communication technology, New Delhi T.MH. 1995.
7. Gorman G.E. Digital factor in Library and information Services, London: Facet publishing 2002.
8. Haynes, David, Metadata for Librarianship in India. London: Greenwood Press, 2004.
9. Patel, Jashu Libraries and Librarianship in India. London, Greenwood Press, 2001
10. Arlandi, Susan: Introduction to computer information science, 1972.
11. Bisco R.L.: Database, Computer in information Science, 1972.
12. Babu T. Ashok Ramiash L.S. and Bedi D.S. (2000) Vision of Future Library and information systems New Delhi, viva Books, Pvt. Ltd.
13. Cyganski, Information Technology : Inside and Outside 1999.
14. Date : Introduction to Database system, 2001
15. Gorman G.E. Ed. (2002) The digital factor in library and information services: London: Facet.
16. Haynes, David (2004) Metadata for Information Management and retrieval, London, Facet Publishing.

17. Haravu L.J. (2002) Knowledge management paradigms, challenges and opportunities. Hornsby, Swan and Clarue Zoe.
18. Kaul H.K. and Patil S.K. (2003) Library and information networking : NAACLIN 2004, New Delhi : DELNET.
19. Lynch M.F. Computer based Information Services in Science and Technology.
20. Lancaster F.W.: Information Retrieval Online 1973.
21. Meadow C.T. Analysis of Information System, 1974
22. Malwad N.M. (1996) Digital Libraries, New Delhi : New Age International
23. Nutt: Operating System Projects using Windows NT 2000
24. Nutt: Operating System : A Modern Perspective, 2002
25. Ravidhandra Rao I.K.: Library Automation, DRTC Refresher seminar, 1963.
26. S. Camel, A Lison (2001) Hand book of Information Management. London : ASLIB.
27. Vijay Laxmi and Jindal S.C. (2004) Digital Libraries, Delhi : Isha Books.
28. Winston : Artificial Intelligence 2001

Paper III: Modern Topics in Library & Information Science

To train the students to become effective information managers

Acquainting the students with emerging management skills and techniques

1. Schools of Management

- Principles of Scientific Management.
- Comparative analysis of recent managerial, philosophies & practices.

2. Human Resources Management

- Organization Structure
- Delegation Communication and Participation
- Job Description and Analysis of Job Evaluation.
- Interpersonal Relations
- Recruitment Procedures
- Motivation, Group Dynamics
- Training and Development
- Disciplines and Grievances
- Performance Appraisal

3. Financial Management

- Definition, Fundamental Principles of Library finance
- Budgeting techniques and Methods PPBS, ZBB etc.
- Cost effective & Cost benefit analysis
- Consultancy

4. Performance evaluation and measurement

- Techniques & Methods
- Evaluation of Library Services & Products
- SWOT Analysis, PERT / CPM
- Re-Engineering of Library Services

5. Knowledge Management

- Technology Management
- Marketing Skill & Techniques
- Collection development policies & procedures (By taking individual libraries i.e. need based collection development)
- Total Quality Management i.e. TQM
- Knowledge Management v/s Information Management

6. Recent Management Techniques

- HRD Selection, recruitment, promotion, in service Training
- Out sourcing
- Six Sigma
- Brain Storming
- Mind Mapping & Other recent techniques

Recommended Books:-

1. Brophy, Peter and Bourling Kotc, Quality Management for Information and Library Managers, Bombay: Jaico, 1997.
2. Bryson, J.O. Effective Library and Information Bombay: Jaico, 1996.
3. Evans, Edward g.(Ed.) Management Information Systems, New Delhi S. Chand & Co. 1986.
4. Katz, W.A. Collection Development Selection of Materials for Libraries. New York: HRW 1980.
5. Martino, R.L. Information Management: Dynamics of Management Information System. New York McGraw Hill, 1969
6. McDick, Robert, G. Et. al. Information Systems for Modern Management New Delhi: Prentice Hall, 1992.
7. Paliwal P.K. Compendium of Library Administration. New Delhi: Ess Ess, 2000.
8. Parker, Charles and Café. Thomas. Management Information Systems: Strategy and Action. New York: McGraw Hill, 1993.
9. Pearson, Rj Ed. Management Process: Selection of Reading for Librarians. Chicago: ALA, 1983.
10. Stuart, Robert, D and Moran, Barbara B. Library and Information Centers Management Colorado: Libraries unlimited, 2004.
11. Narayana, G.J. Library and Information Management, New Delhi : PHI, 1991.
12. Davar (Rustoms): The Management Resources, 1982.
13. Dougherty (Richardson) and Henritz P.H.: Scientific Management of Library Operations, 1986.
14. Beishon (Jon) and Peters (Geoff) System Behaviour, 1976.
15. Cowley, John (1982) Personal Management in Libraries: Concept and Practices, New Delhi, Ess Ess Publication.

16. Evans (S.E.) : Management Techniques for Librarian, 1978.
17. Jones, (Norogh) and Information work, 1982
18. Koontz (J.Harold) and O.Donnel (Cyril): Essentials of Management, 1978.
19. Kumar, Krishan (1989) Library Administration and Management, New Delhi, Vikas Publication House.
20. Jones (Ken): Conflict and Change in Library Organization: People, Power and service, 1984.
21. Mittal (R.L): Library Administration : Theory and Practice, 1978.
22. Rangnathan, S.R. (1991), Library Administration Bangalore: Sarada Raganathan Endowment for Library Science.
23. Seetharama, S. (1990) : Guidelines for planning Libraries and Information Centers, Calcutta : IASIIC
24. Lahiri, Raman (1996), Management of Libraries: Concepts and practices, New Delhi, Ess Ess Publication.
25. Thompson, James (1979), Introduction to University Library Administration, London : Clive Bingley
26. Lancaster, (F.W.) and Sandore, Beth (1997) Technology and Management in Library and information services, London: Library Association.

Ph.D. (Course Work) Nature of Question Paper Pattern

- Ph.D. कोर्ससाठी फक्त Long Answer short Answer असेच प्रश्न असतील.
- Ph.D. (Course Work) प्रश्नपत्रिकेत कोणताही External Option Objective प्रश्न असणार नाहीत.
- एकूण प्रश्न – 5 X 20 गुण = 100 गुण
- प्रश्न क्रमांक 1 ते 5
- (A) दिर्घोत्तरी प्रश्न 10 गुण
(B) Answer any two out of three (प्रत्येकी 5 गुण)
या प्रश्नपत्रिकेच्या स्वरूपामुळे Internal Option हा 25 % राहतो.