

Mother Teresa Women's University, Kodaikanal
Course Work syllabus
Library & Information Science

1. Information Resources

Unit-I

Types of Information resources – Documentary – Non documentary – characteristics – Scope. Primary, Secondary and Tertiary sources; Human sources of Information – Invisible colleges.

Unit –II

Ready Reference Sources –Types and value-Dictionaries, Encyclopedias, Annuals, Biographical sources, Handbooks and Manuals, Geographical sources.

Unit-III

Bibliographical sources – Bibliographies, list of serials; Union Catalogues; – Indexing and abstracting sources, news summaries.

Unit –IV

Digital Resources: E-Books, E-Journals, Databases and ETD, – Subject Gateways; Web Portals

Unit-V

Evaluation of Information sources – Print Reference sources; Web Resources

Selected Readings:

1. Alan Poulter, Gwyneth Tseng and Goff Sargent : The Library and Information Professional's Guide to the World Wide Web. London : Facet Publishing, 1999.
2. Bangalore, 2000.
3. G. G. Chowdhury and Sudatta Chowdhury : Searching CD-ROM and Online Information Sources. London : Facet Publishing, 2001.
4. G. G. Chowdhury and Sudatta Chowdhury. Information Sources and Searching on the World Wide Web. London : Facet Publishing, 2001.
5. Gopinath, M.A : Information Sources and Communication Media. DRTC Annual Seminar, Bangalore-1984 .
6. Grogan, Dennis: Science & Technology : An Introduction to Literature, London, Clive Bingley,1982.

7. Kundan godia, Electronic Services in Library and Information Science, New Delhi, Adhyayan Publishing & Distributors, 2007.
8. Jogender Singh Burman, Libraries and Reference Services, New Delhi, Rajat Publications, 2007.
9. Linda S Katz Library Users and Reference Services (Reference Librarian) Routledge (May 2013)
10. Higgs, Gavin. Printed Reference Materials. London: Library Association, 1980
11. Katz, W.A : Introduction to Reference Work, London, Butterworths, 2000, 2V.
12. Madan Mohan Sinha Use of New Technology in Library Reference Services, Anmol Publications (2012), New Delhi
13. S. K. Bajpai Reference Services In Libraries, Friends Publications (2008), New Delhi

2. Information systems and Services

Unit-I

Information systems: Concept, purpose, types and levels: Open, Closed, Local, national and International.

Unit –II

Information Services; Reference service, Information Alert, News clippings, CAS, SDI, Abstracting and Indexing Services.

Unit-III

Digital Information Services; Institutional Repository, Web OPAC, Online DDS, Citation and Indexing Services

Unit –IV

Global Information System: UNISIST -AGRIS – INIS- ENVIS
National Information Systems; NISCAIR, DESIDOC, NASSDOC-

Unit – V

Library consortia-India; UGC-Infonet, INDEST, N-LIST
Library Networks: INFLIBNET, DELNET, ERNET.

Selected Readings:

1. Atherton, P. Handbook of Information Systems and Services, 1977.
2. Burch, J.C. and Stretsev, F.R. Information Systems: Theory and Practice, 1974.
3. Colin, H. Ed. Management Information Systems in Libraries and Information Services. London: Tayler Graham, 1989.
4. Choudhary, G. G. and Choudhary, S. Searching CD-ROM and online information sources, 2001
5. Fourie, D. and Dowell, D. Libraries in the information age. New York, Libraries unlimited, 2002
6. Guha, B. Information and Documentation. Calcutta: World Press, 1983.
7. Gupta, B.M. et.al. Handbook of Libraries, Archives, Information Centres in India. New Delhi, Aditya Prakashan, 1991. Related volumes
8. Gurdev Singh Information Sources Services and Systems PHI, New Delhi, 2013
9. Kochtanek, Thomas R. and Mathews, Joseph R. Library and Information Systems: From Library automation to distributed information access solutions. West port: Libraries unlimited, 2004.

10. Prashant Kaushik Library Information Services and Systems Anmol Publisher, New Delhi, 2006,
11. U.S. Jadhav and Suresh Jange Library and Information Sources and Services Regency Publications A Division of Astral International (P) Ltd. New Delhi, 2013
12. Sewa Singh. Handbook of International sources on reference and information, 2001
13. Sherman, C. and Price, G. The invisible web: uncovering Information Sources Search engines can't see. 2001

3. Scientometrics

Unit 1

Citation: Definition need and purpose; Fundamentals Bibliometrics and Scientometrics.

Unit 2

Theory and laws-Zip's law, Lotka's law, Price theory and circulation theory.

Unit 3

Quantitative and qualitative techniques: Types, Multidimensional scaling, cluster analysis, correspondence analysis, Coword analysis and media and audience analysis. Winks.exe(statistical package)

Unit 4

Impact factor Index-Study of Science citation Index, Scopus, Google Scholar

Unit 5

Academic research performance measurement: International Level

References

Garfield(E): Citation Indexing,1978

Sengupta(I): Bibliometric Research

Ravichandra Rao: Quantitative methods in Library and Information Science. Delhi. Wiley Eastern,1983

Kent(Allen):Encyclopedia of Library and Information science,vol,42,New York

Ravichandra Rao (IU) :Informatics,1992

Gupta(S.P) statistical Methods,1978

Morse(PM) :Library effectiveness: A System approach,1968

4. Digital Libraries and Web Technology

Unit-I

Digital Libraries: Definitions, Concept, Characteristics, functions and Advantages- Digital Library collection - Major Digital Library Initiatives.

Unit-II

Design and Organization of Digital Libraries: Architecture, Interoperability, Protocols and Standards.

Unit-III

Digital content creation: files formats, Archives and Preservation.

Unit- IV

Web Technologies: Concepts, WWW, Internet Protocols, Web Server. Search Engines: General, Meta, Federated Search Engines. Browsers: IE, Mozilla, Google Chrome.

Unit-V

Social Networking Websites and Social Bookmarking

Selected Readings:

1. C. Xavier. World Wide Web Design with HTML, New Delhi: TMH, 200
2. Chowdhury, G G and Chowdhury, Sudatta (2003). Introduction to digital libraries. London : Facet.
3. G.G. Chowdhury. Introduction to Digital Libraries. London: Facet Publishing, 2003.
4. Deegan, Marilyn & Tanner, Simon : (2002) Digital futures : strategies for the information age. London : Library Association.
5. John M. Colon, Annl Kelsey, Keith Michael Fiels. Planning for Automagtion: A How-to-do-it for Librarian. 2nd ed.(S.I.): Neal-Schuman, 1997.
6. Kausik Bose Information Networks in India: Problems and Prospects / New Delhi: Ess Ess Publications, 1994.

5. INFORMETRICS

Unit -I

Informetrics – Evaluation – Concept, Bibliometrics, Scientometrics, Webometrics, Altmetrics.

Unit –II

Theory and Laws - Zipf's law, Lotka's Law, Bradford's Law. Price Theory

Unit – III

Quantitative and Qualitative techniques: Types, Multidimensional scaling, Cluster analysis, Correspondence analysis, Co-word analysis, media and audience analysis.

Unit –IV

Citation Theory and Analysis; Definition, Theory of citing, different forms of citations, Age of citation – citation counts , Self –citation – Citation Index – Impact Factor – H Index.

Unit – V

Bibliometrics and Scientometric Analysis (Hitscite and Bibexcel)

Selected Readings:

1. Glänzel, W. (2003). Bibliometrics as a research field: A course on theory and application of bibliometric indicators.1.
2. Leydesdorff, L. A. (2001). The challenge of scientometrics: The development, measurement, and self-organization of scientific communications (2nd ed.). Boca Raton, FL: Universal Publishers.
3. Noyons, E. C. M. (1999). Bibliometric mapping as a science policy and research management tool. Leiden: DSWO Press, University of Leiden.

6. User Studies

UNIT I

User Studies – Concept, definition, need and purpose – Types and Techniques.

UNIT II

Information needs – Types of Inform needs - Models - Information seeking behaviour.

UNIT III

Information Literacy - Concept - definition - need – methods, Models and sources used - evaluation of Information Literacy programmes.

UNIT IV

User education – Need – Purpose – Methods - online user education - Evaluation of user education programmes.

UNIT V

Evaluation of user studies - criteria - Techniques of evaluation – Questionnaire method, Interview method and record analysis method.

Selected Readings:

1. Kumar, PSG. Use and User studies Publication. New Delhi: BR Publication.2006.
2. Deverajan. User studies, New Delhi :Allied publishers, 1987.
3. Kumar, PSG. A student's Manual of Library and Information Science. New Delhi: BR. Publishers, 2002.
4. Kumar, PSG. Library and Users: Theory and Practice. New Delhi: BR. Publishers, 2004.
5. Sridhar, MS. Library use and user research (with twenty case studies). New Delhi: Concept Publishing Company, 2002.
6. <http://portal.unesco.org/edu>
7. <http://www.ifla.org>