

MLISc – Second Semester
Paper – VI : RESEARCH METHODOLOGY

Code	Name of Paper	L	T	P	TOTAL
LIB 230	Research Methodology	04	00	00	04

Syllabus

Unit – 1: Research: Introduction

- Research: Meaning, Definition, Need and Characteristics
- Types of Research: Basic, Applied, Individual, Collaborative research and Inter disciplinary.

Unit-2: Research Methods

- Methods of Research: Historical, Case study, Experimental, Survey and Scientific
- Spiral of Scientific method.

Unit – 3: Research Planning

- Research Problem: Identification and formulation, Types and Components
- Hypothesis: Concept, usefulness, quality, types and formulation
- Literature Survey and its use: Print, Non-print, Electronic Sources
- Synopsis: Concept and Essential Components.

Unit – 4: Research Design and Techniques

- Research Design: Concept, need and purpose, Attributes, components
- Collection of Data: Sampling, Field Work, Questionnaire, Interview and Observation
- Content Analysis
- Sampling Techniques

Unit – 5: Research Report and Ethics

- Presentation of data: Tables, Diagram, Graphs
- Report writing: Structure and Controls
- Guidelines for research reporting
- Citation and Referencing Style
- Research Ethics and Plagiarism

Recommended Books

1. Busha, Charlesh H. and Harter, Stephen P.(1980). Research methods in Librarianship: Techniques and Interpretation. Orlando, Academic Press.
2. Busha, Charlesh H.(1967). Research methods. *In* Encyclopedia of Library and Information Science. (Vol. 25, pp254-293.
3. Krishan Kumar.(1992). Research methods in Library & Information Science. New Delhi, Vikas.
4. Young, P.V. and Schmid,C.F.(1984). Scientific Social Surveys and Research. New Delhi,Prentice Hall of India.
5. Goode, William J. and Hatt,Paul K.(1986). Methods in Social Research. New Delhi, McGraw Hill.
6. Kothari, C.R.(1990). Research Methodology: Methods and techniques. (Ed.2). New

Delhi, VishwaPrakashan.

7. Ghosh, B.N.(1982). Scientific methods and social research. New Delhi, Sterling Publication.
8. RavichandraRao, I.K.(1985). Quantitative methods for LIS. New Delhi, Wiley Eastern.
9. Wilkinson, T.S. and Bhandarkar, P.L.(1979). Methodology and Techniques of Social Research. Mumbai, Himalaya Publication.
10. Kothari, C.R.(1984). Quantitative techniques. (*Ed. 2*). New Delhi, Vikas Publication.

**Paper – VII : INFORMATION COMMUNICATION TECHNOLOGY
IN LIBRARY & INFORMATION CENTERS (THEORY)**

Code	Name of Paper	L	T	P	TOTAL
LIB 240	Information Communication Technology In Library & Information Centers (Theory)	04	00	00	04

Syllabus

Unit – 1: Web Technologies in Libraries

Implication of WWW on Library Websites, Web OPACs

Web 2.0 and Web 3.0 : Features and Functions

Web Directories, Subject Gateways, Library Portals, etc

Weblogs (Blogs), Podcasts, RSS Feeds, Instant Messaging, Wikis, Flickr, etc

Unit – II : Integrated Library Automation and Networking Software

Open Source Library Software and Applications

Web based Library Management Software

Library Software Securities Parameters

Virtual Library

Unit – III : Multimedia and Institutional Repositories

Multimedia Applications in Libraries

Image Creation Using photoshop and Core /Draw, etc

Institutional Repositories: Greenstone Digital Library , D space, and E – Prints, etc

Unit – IV : Introduction of Networks

Types of Networks : Network Components, Categories, LAN Standards and Inter Network

Wireless Networking and Emerging Networking Technologies

Data Networks: Integrated Services Digital Network (ISDN), Digital Subscribers Line (DSL), Asynchronous Transfer Mode (ATM). Etc

Network Software : Network Operating Systems, Domain Name System and Network

OSI Network Model and TCP/IP Reference Model

Unit – V : Emerging Technologies in Libraries

RSS Feeds Technology and Libraries

Library Security Technology : RFID, Barcode, Smart Card and CCTV, etc

Video Conferencing and Audio Conferencing

Functional Requirements for Bibliographic Records

Digital Content Management System

Federated Search and Multimedia Databases Search

Protocols : Z39.50 Standards for Retrieval and OAI – PMH

Artificial Intelligence and Libraries

Expert Systems in Libraires

Recommended Books

1. **BRADLEY (Phil)**. How to use web 2.0 in your library. 2007. Facet Publishing, London.
2. **CLYDE (Laurel)**. Weblogs and libraries. 2004. Chandos Publishing, Oxford.
3. **EVANS (Woody)**. Building library 3.0: issues in creating a culture of participation. 2009. Chandos Publishing, Oxford.
4. **GRIFFITHS (Peter)**. Managing your internet and intranet services: the information professional's guide to strategy. Ed.2. 2004. Facet Publishing, London.
5. **JANCZEWSKI (Lech)**. Internet and intranet security management: risks and solutions. 2000. Idea, Hershey.
6. **KROSKI (Ellyssa)**. Web 2.0 for librarians and information professionals. 2008. Neal Schuman Publishers, New York.
7. **LIU (Jia)**. Metadata and its applications in the digital library: approaches and practices. 2007. Libraries Unlimited, Westport.
8. **PRIMARY RESEARCH GROUP STAFF**. Academic library websites benchmarks. 2008. Primary Research Group, New York.
9. **VINCE (J)**. Introduction to virtual reality. 2004. Springer, London.
10. **WISE (Richard)**. Multimedia: a critical introduction. 2000. Routledge, London.

**Paper – VIII : INFORMATION COMMUNICATION TECHNOLOGY
IN LIBRARY & INFORMATION CENTERS (PRACTICE)**

Code	Name of Paper	L	T	P	TOTAL
LIB 250	Information Communication Technology In Library & Information Centers Practice	00	00	04	04

Syllabus

UNIT – I: Website Designing and Navigational Tools

Designing Static and Dynamic Library Websites

Designing Mobile Websites

Developing Web Directories, Subject Gateway and Library Portals

Designing and Developing Library Blogs, RSS Feeds, Wikis and Flickr, etc

Image Creation using Photoshop, CorelDraw, etc.

UNIT – II: Integrated Library Management Systems and Institutional Repositories

Installation and Configuration, Hands on Functional Modules of an Integrated Library Management System (Open Source)

Web based Library Management Software

Installation and Configuration, Hands on Collection Building using GLI in Local and Web Library Modes and Metadata Creation

Customization of Greenstone Digital Library Software

UNIT – III: Audio and Video Conferencing

Audio Conferencing

Video Conferencing

UNIT – IV: Advanced Searching and Metadata Creation

Downloading MARC 21 Records using Z39.50 Protocol

Federated Search

Creation of Metadata

Recommended Books

1. **BATES (Chris)**. XML in theory and practice. 2003. John Wiley, Chichester.
2. **BRADLEY (Phil)**. How to use web 2.0 in your library. 2007. Facet Publishing, London.
3. **COX, (Christopher N)**. Federated search: solution or setback for online library services. 2006. The Haworth Press, Philadelphia.
4. **DONNELLY (V)**. Designing easy-to-use websites: a hands-on approach to structuring successful websites. 2000. Addison-Wesley, Boston.
5. **LOWERY (Joseph W)**. Dreamweaver MX bible. 2002. Wiley Publishing, Indianapolis.
6. **LYNCH (P J) and HORTON (S)**. Web style guide: basic design principles for creating web sites. Ed.3. 2009. Yale University Press, London.
7. **McCLELLAND (Deke)**. Photoshop 7 bible. 2003. Wiley Publishing, New York.
8. **SIMMONS (Curt)**. Microsoft office front page 2003 bible with CDROM. 2003. Wiley Publishing, Indianapolis.
9. **ULLMAN (Larry)**. Building a web site with ajax: visual quickpro guide. 2007. Peachpit Press, Berkeley.
10. **WITTEN (Ian H), BODDIE (Stefan) and THOMPSON (John)**. Greenstone digital library user's guide. 2006. New Zealand Digital Library Project, New Zealand.

Recommended Books

1. **BARUA (B P)**. National policy on library and information systems and services for India: perspectives and projections. 1992. Popular, Bombay.
2. **BATT (Chris)**. Information technology in public libraries. 1998. London Library Association Publishing, London.
3. **BHATT (R K)**. Unesco: development of libraries and documentation centres in developing countries. 2004. K K Publications, New Delhi.
4. **HIGGINS (S E)**. Youth services and public libraries. 2007. Chandos Publishing, Oxford.
5. **IFLA**. IFLA guidelines for public libraries (revised). 2000. The Hague, IFLA.
6. **INDIA**. Advising committee for libraries. Ed. 2. 1958. Manager of Publications, Delhi.
7. **JAGANAYAK (S S)**. Role of libraries in socio-economic, cultural, and educational development. 1997. Classical Publication, New Delhi.
8. **PATEL (Jashu)** and **KRISHAN KUMAR**. Libraries and librarianship in India. 2001. Greenwood Press, Westport, Connecticut.
9. **THOMAS (V K)**. Public libraries in India: development and finance. 1997. Vikas. Publication, New Delhi.
10. **WOODRUM (Pat), Ed.** Managing public libraries in 21st century. 1989. The Haworth Press, New York.

Paper – IX : ACADEMIC LIBRARY SYSTEM

Code	Name of Paper	L	T	P	TOTAL
LIB 260	Academic Library System	04	00	00	04

Syllabus

UNIT – I: Academic Libraries and their Development

Objectives and Functions

History and Development of Libraries with Special Reference to India

Role of Libraries in Formal and Non-Formal Education System

UGC and its Role in the Development of College and University Libraries

UNIT – II: Collection Development and Management

Periodicals, Conference Literature, Grey Literature and Government Publications

Non-Book Materials

Electronic Resources and Online Databases

UNIT – III: Library Organization and Administration

Organizational Structure

Staff Manual, Library Surveys, Statistics and Standards, etc.

UNIT – IV: Information Services

CAS, SDI, Abstracting and Indexing Services

Library Bulletin, Newspaper Clipping Services

Computerized Services

Resource Sharing and Networking: INFLIBNET, UGC-INFONET Digital Library

Consortium, etc.

Information Literacy Programmes

UNIT – V: Financial and Human Resource Management

Determination of Finance, Sources of Finance

Types of Budget

Nature, Size, Selection, Recruitment, Qualification and Training

Responsibilities and Duties

Competency Development

Recommended Books

1. **BAKER (David), Ed.** Resource management in academic libraries.1997. Library Associations, London.
2. **BROPHY (Peter).** The academic library. 2000. Library Association, London.
3. **BUDD (J M).** The academic library: the context, its purpose and its operation.1988. Libraries Unlimited, London.
4. **CHAPMAN (Liz).** Managing acquisitions in library and information services 2001.Library Association, London.
5. **DOWLER (L) Ed.** Gateways to knowledge: the role of academic libraries in teaching, learning and research.1998. The MIT Press, London.
6. **JORDON (Peter).** The academic library and its users.1998. Gower Publishing Limited, London.
7. **LINE (Maurice B), Ed.** Academic library management. 1990. Library Association, London.
8. **RANGANATHAN (S R).** School and college libraries. 1942. Madras Library Association, Madras.
9. **WEBB (Sylvia P).** Personal development in information work. Ed 2. 1991. Aslib,London.
10. **WHITE (Carl M).** Survey of university of Delhi. 1965. Planning Unit, University of Delhi, Delhi.

Paper – X : DISSERTATION/PROJECT WORK

Code	Name of Paper	L	T	P	TOTAL
LIB 270	Dissertation/Project Work	00	00	04	04

110.1	Identify specific problem and its facets for investigation.
110.2	Prepare research proposal.
110.3	Apply specific research methodology appropriate to the selected problem.
110.4	Write a report of the investigation.

Method of Instruction

The students will evaluate resources and services available on the websites of one National and one International Higher Education Institute Libraries. Each student will be required to submit a project report on an approved topic. The report is to be submitted both in hard and soft format. Each student will work under one guide from the Department for successful completion of the project. The areas and topics will be finalized and approved by the Departmental Staff Council. Each report will be evaluated by a committee consisting of all the regular faculty members of the Department and marks/ grades for evaluation will be on presentation, methodology and inputs put in the work. The viva voce will also be conducted by the same committee. The project will be of 100 marks out of which 25 marks will be awarded to project report evaluation and 75 marks will be for viva-voce by the said committee.