RANI CHANNAMMA UNIVERISTY, BELAGAVI

Vidyasangama

P.B.N.H. – 4, Belagavi-591156

Two Years Integrated

Degree Course

in

MASTER OF LIBRARY AND IFNORMATION SCIENCE (M.L.I.Sc)

(Choice-based Credit System- Semester Scheme)

III SEMESTER

COURSE STRUCTURE

and

Detailed Syllabus

2015-16 & Onwards

COURSE STRUCTURE

Master of Library and Information Science (MLISc)

SEMESTER - III						
3.1	Information and Communication Studies	80	20	100	4	4
3.2	Information Retrieval , Repackaging & Processing	80	20	100	4	4
3.3	Research Methodology	80	20	100	4	4
3.4	Information Technology (Advance) (Theory)	40	10	50	2	2
3.5	Information Technology (Advance) (Practical)	40	10	50	2	4
3.6	**Electives** 1. Public Libraries 2. Academic Libraries 3. Special Libraries	80	20	100	4	4
3.7	Library User Services (Practical)	40	10	50	2	4
Open Electives : 1. Electronic Resources & Library Service						
SEMESTER – IV						
4.1	Internet Resources and Web Technology	80	20	100	4	4
4.2	Digital Library and Information Management	80	20	100	4	4
4.3	Library and Users	80	20	100	4	4
4.4	Scientometrics	80	20	100	4	4
4.5	**Electives** A. Technical Writing B. Content Management Systems C. Marketing of Information Product & Services	80	20	100	4	4
4.6	Internship Report & Viva-Voce	80	20	100	4	4
4.7	Study Tour & Report (All India)	25	25	50	1	1

RANI CHANNAMMA UNIVERSITY, BELGAVI

DEPARTMENT OF LIBRARY & INFORMATION SCIENCE
MLISc

SYLLABUS
SEMESTER-III

Paper- 3.1. Information and Communication Studies

Unit – 1. : Information, Knowledge and Data

- Information: Characteristics, Nature, Value and Notion of Information
- Data: Types, Nature and Characteristics Features
- Knowledge: Types, Nature, Value and Characteristics features.
- Inter-relationship of Data, Information and Knowledge.

Unit – 2. Communication

- Information Generation and Communication
- Channels and Levels of Communication
- Barriers of Information Communication
- Communication Modes and Models

Unit – 3. Information Science

- Introduction to Information Science
- Origin, Development and Evolution of Information Science
- Theoretical Foundations and Framework of Information Science
- Physical and Cognitive Paradigms
- Education for Library and Information Science

Unit – 4. Information Society

- Genesis, Development and Evolution of Information Society
- Changing Role of Library and Information Centres in the Information Society
- Information Industry: Content creation, content organization and content communication (Generators, Providers and Intermediaries).

Unit – 5. Issues of Information Society

- Social, Political Issues: Policies relating to Information
- Right to Information
- Intellectual Property Rights
- Concept of Freedom, Censorship, Data Security and Fair use.
- National and International information policies and programmes
- UAP, UBC
- Information Technology Taskforce and its objectives.

Unit – 6. Economics of Information and Information Economics

- Economics of Information and Information Economics

- Information as a Resource and Factor of Production

- Economics of Information Sources and Production

Selected Reading:

1. FID: Finding New Values and Services of Information, 1994.

2. Information Flow in non-R & D context: Seminar Papers; 14th IASLIC conference, New Delhi, 1983.

3. Masuda, Y. The Information Society, 1980.

4. McGary K.J. Communication, Knowledge and the Librarians, 1975.

5. McGary K.J. The changing context of Information Technology, 1986.

6. Rodriguez, Mur and Ferrante, A.J. Information Technology for the 21st Century: Managing the change, 1996.

7. Satyanaraana, N.R. and Satyanarayana, R. ed. Problems of Information Science, 1996.

8. Shera, J.H. The Foundations of education Librarianship. Bombay, Asia, 1970.

9. Vickery, B.C. and Vickery, A. Information Science theory and practice, 1994.

10.   Wolpert, S.A. and Wolpert, J.F. Economics of Information, 1986.

Paper- 3.2. Information Retrieval, Repackaging and Processing

Unit - 1 . Information retrieval System
- Concept, Meaning, Definition, Objectives, Characteristics, Components and functions.

Unit – 2. Indexing and Abstracting
- Basic concepts, Indexing languages: Types and Characteristics,
- Vocabulary control, Thesaurus: Structure, function and design.
- Pre-Coordinate and Post –Coordinating Indexing, Citation indexing,
- Computer based indexing (Auto indexing).
- Abstracting: Concept, Meaning and definitions, Types.

Unit - 3 Information Retrieval Process
- Common features of search process, Steps in creation of a search file, Search features, Query search and steps in query formulation,
- Search process –strategies and techniques, Search software, Search engines Multiple database searching.

Unit - 4 Information retrieval Models
- Basic Retrieval methods-manual and automated
- Boolean logic, Cognitive, Fuzzy and Probabilistic.

Unit - 5 Evaluation of IR Systems
- Purpose and criteria's for evaluation, Evaluation experiments: ASLIB, The Crane fields; MEDLARS.

Unit - 6 Trends in IRS
- Developments, Searching and retrieval, Full text retrieval, User interfaces, IR standards and protocols.

Unit - 7 Repackaging and Consolidation
- Concept, meaning and utility of repackaging and consolidation of Information products.
- Types of repackaging and consolidation Information products, Document delivery and Reprography techniques.
- Translation Centers, Bureaux, Machine aided Translation

a) Textbooks

1. A course in information consolidation: a handbook for education and training in analysis, synthesis and repackaging of information.General Information Programme and UNISIST, UNESCO, PGI, Paris. 1986.

2. Austin, D. PRECIS: A manual of concept analysis and subject indexing. 2nd ed. 1984.

3. Vickery, B.C. . Techniques of information retrieval. London: Butterworths, 1970.

4. Ghosh, S.B. and Biswas, S.C. Subject Indexing systems: Concepts, methods and techniques. Rev. ed. Calcutta,,IASLIC, 1998.

5. Setharama, S. Information Consolidation and Repackaging. New Delhi, Ess Ess, 1997.

6. C. J. Van Rijsbergen. Information retrieval. 2nd ed. London: Butterworths, 1970. 23 5. Cleaveland, D. B., and Cleveland, A. D. Introduction to Indexing and Abstracting. 1983

b) Additional Reading Material

1. Crawford, Marshall Jean. Information broking: a new career in information work. London: LA, 1988

2. Chowdhruy, G.G.. Introduction to Modern Information Retrieval. 2nd edn. London, Facet Publishing, 2003.

3. Atchison, Jean & Alan Gilchrist, Alan. Thesaurus construction: a practical manual. London: Aslib. 1972.

4. Lancaster, F. W. Information retrieval systems, characteristics, testing and evaluation. 1968.

5. Lancaster, F.W. Indexing and Abstracting in Theory and Practice. London: Facet Publishing, 2003.

Paper- 3.3. Research Methodology

Unit –1. Research

- Concept, Meaning, Need and Process of Research;
- Types of Research – Fundamental and Applied including inter disciplinary and multidisciplinary approach;
- Role of Research in the Development of Scholarship;

Unit – 2. Research Design

- Conceptualization and Operationlisation
- Types of Research Design;
- Identification and Formulation of problem;
- Hypotheses; Nominal and Operational Definition;
- Designing Research Proposal;
- Ethical aspects of Research;
- Literature search – print, non-print and electronic sources.

Unit – 3. Research Methods

- Scientific Method
- Historical Method
- Descriptive Method;
- Survey Method and Case Study Method;
- Experimental Method and Delphi Method

Unit – 4. Research Techniques and Tools

- Questionnaire;
- Schedule;
- Interview;
- Observation;
- Scales and check lists;
- Library and Record and Reports,
- Sampling Techniques

Unit– 5. Data Analysis and Interpretation

- Descriptive Statistics – Measure of Central Tendency; Mean, Mode, Median,
- Tabulation and Generalization
- Measures of dispersion, Variance and covariance,
- Standard Deviation
- Graphical presentation of data – Bar, pie, line-graphs, Histograms etc.
- Regression – linear and non-linear.
- Chi Square Test,
- Sociometry,

Unit – 6 Statistical Package- SPSS

Unit – 7 Research Reporting

- Structure, Style, Contents

- Guidelines of Research Reports,

- Style Manual – Chicago – MLA-APA etc.

- E-Citation and Methods of Research Evaluation.

Selected Readings:

1. Busha, Charles, H. and Harter, Stephen, 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. 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. Krishan Kumar. Research Methods in Library and Information Science, New Delhi, Vikas, 1992.
6. Leddy, Paul D. Practical Research: Planning Design. London, Clive-Bingley, 1980.
7. Line, M.B. Library Surveys, London, Clive Bingley, 1967.
8. Nicholas D. and Ritchil, M. Literature and Bibliometrics. London, Clive Bingley, 1979.
9. Ravichandra Rao, I.K. Quantitative Methods for Library and Information Science, New Delhi, Wiley Eastern, 1985.
10. Slater, M. Research Methods in Library and Information Studies. London, L.A. 1990.
11. Stevens, R.E. Ed. Research Methods in Librarianship. London, Clive Bingley, 1971.

Paper- 3.4. Information Technology (Advanced) (Theory)

Unit-1.   Information & Communication Technology

- Basics of Communication Technology
- Application to library & Information Services (Conceptual & Theoretical)
- Storage Technology; Types., from Micrographic to latest storage technology
- Multimedia Technology

Unit-2.   Database Management System

-Types, design, Structure, Organization & Development of database:

-Library Database

- DBMS & RDBMS: SQL, My SQL,

- Data security

Unit-3.   Search Techniques & Security Systems

- Search Techniques, Advance   Search, Boolean Search Technique

- Barcode RFID, CCTV, sensors and IOT.

Unit-4.   E-Publishing

- Introduction to E-Publishing

- Moving from print to electronic: Access , Integration and Reference linking

Selected Readings:

1. Benfold, J Welcome to CDROM, New York MIS Press 1993.

2. Bowers, D.S Drom data to database ED 2. London Chapman and Hall 1993

3. Buschman J Critical approaches to information technology in librarianship: Foundation and application London Greenwood press 1993

4. Feldman T Multimedia London Chapman and Hall 1993

5. Jones V A Handbook of microfilm technology and procedures ED 4 Crestview, QP publishing 1993

6. Vishwanathan T Communication Technology, New Delhi TMH 1995

7. Williats J Database Design and construction: An open learning course for students and information manages London LA 1992

Paper 3.5. Information Technology (Advanced) (Practical)

Unit-1:   **Search Techniques**

- OPAC Search, Database Search, Web Search, Various Search Techniques

Unit-2:   Application Software's

- My-SQL, SQl, & PostgreSQL/ Apache
- Website Designing Software's

Selected Readings:

1. Enfold, J Welcome to CDROM, New York MIS Press 1993.

2. Bowers, D.S Drom data to database ED 2. London Chapman and Hall 1993

3. Buschman J Critical approaches to information technology in librarianship: Foundation and application London Greenwood press 1993

4. Feldman T Multimedia London Chapman and Hall 1993
   Jones V A Handbook of microfilm technology and procedures ED 4 Crestview, QP publishing 1993

5. Vishwanathan T Communication Technology, New Delhi TMH 1995

6. Williats J Database Design and construction: An open learning course for students and information manages London LA 1992.

7. Pandey S. K. Sharma. Library Computerisation, Ess Ess Publication, New Delhi

8. P.Venkatesh Ramana, Information Technology Applications In Libraries, Ess Ess Publication, New Delhi

9. Mohan Kumar Galhotra, Information Technology in Library and Information Service, Ess Ess Publication, New Delhi

10. Shalini Gupta, Internet and Web Technology, Anmol Publication Pvt.Ltd, New-Delhi

Paper- 3.6. Electives

A. Public Library System

Unit – 1. Public Libraries

- Meaning and Definition, Origin, Objectives, Functions and characteristics.
- UNESCO Public Library Manifesto: 1972 and 1994
- Role of public libraries in modern society
- History and Development of Public Libraries in USA, UK and India.

Unit – 2 . Collection Development and Management

- Steps in collection development process, selection and acquisition of different types of documents including non-book materials.

Unit – 3. Organisation and Management of Information Resources and Services

- Organisation of Library, Staff Manual, Statistics, Work Measurement and Standards.
- Organisation of Information Resources.
- Planning and Organisation of various types of information services to the different categories of users including the disadvantaged. Extension and Publicity activities.

Unit – 4 . Library and Information Personnel

- Nature, Size, Selection and Recruitment, Qualifications, Training and Education, Duties and Responsibilities, service conditions, motivation and control.

Unit – 5. Study of Library Legislation

- Library Legislation: UK, USA and India.
- Karnataka Public Libraries Act, 1965 and its features.
- Comparative and Critical study of Public Library Acts in India.

Unit – 6. Library Finance and Budgeting

- Financial resources mobilization and estimation of Public Library Finance, Administration of Budget. PPBS and ZBB.

Unit – 7. User needs and services

- Study of users and their needs,
- User Education and Public Library Standards
- User services

Selected Readings:

1. American Library Association. Minimum Standards for Public Library System. Chicago ALA, 1966.
2. Atman, E. Ed. Local Library Administration in Association with International City Management Association. Ed. 2. Chicago: ALA, 1980.
3. Esdails, A. National Libraries of the World. London: Library Association, 1957.
4. Great Britain, Ministry of Education. Standards of Public Library Services in England and Wales. Report. London: HMSO, 1959.
5. Kesavan, B.S. National Library of India, Calcutta. National Library, 1961.
6. McCloven, L.R. Public Library Extension, Paris. UNESCO, 1951.
7. McCloven, L.R. Public Library System of Great Britain: Report on its present conditions with proposals for reorganization. London: Library Association, 1942.
8. Mittal, R.L. Public Library Law, Delhi: Metropolitan, 1971.
9. Penna, C.A. et.al. National Library and Information Services, Handbook for planners. London: Butterworths, 1977.
10. Ranganathan, S.R. Library Development Plan: A 30 year Programme for India with Draft Library Bill, Delhi: Delhi University, 1950.
11. White, Carl M. Ed. Bases of Modern Librarianship. New York: Pergmon, 1964.

B. Academic Library System

Unit - 1 Academic Libraries

- Meaning, Definition, Importance, Functions, Services and Types of Academic Libraries.

Unit - 2   Higher Education and Libraries

- History and development of Higher education in India.

Unit - 3   Role of UGC in development of Academic Libraries

- Users of Academic Libraries: Types of users and their needs.
- User study: Need, importance and techniques. User Education

Unit - 4 Collection Development in Academic Libraries

- Types and character of Academic Library collection.
- Acquisition of Documents: Selection, Policy and procedures, Maintenance.
- User participation in collection development. Information Technology Impact. Problems of Collection development

Unit – 5 Library and Information Services in Academic Libraries

- Reference Service/Referral
- Library Use and Information Literacy
- Documentation and Information Service
- Current Awareness and SDI Service
- Abstracting and Indexing Services
- Information Product Development Services
- Document Delivery Services

Unit – 6 Extension Activities

- Colloquia, Seminars, Exhibitions, Book Talks, Continuation Education Programmes

Unit – 7 Library Cooperation

- Resource Sharing, Networks and Consortia.
- International and National Scenario- INFLIBNET, DELNET

Selected Readings:

1. Cowley, John. Personnel management in libraries. 1982.
2. Gelford, M.A. University libraries for developing countries. 1974.
3. Henry, Mike and Morgan,Steve. Practical strategies for modern academic library. London, Aslib-IMI, 2002.
4. Isaac, D. and others. Academic libraries: Role in the national development. 1993.
5. Jenkins C. and Mary Morely. Collection development in academic libraries. 1996.
6. Mathu, M.V. and Arora, R.K. Indian University Library System revitalization.
7. Saini, Library organisation for higher education. 1976.
8. Sewa Singh and Arora, M. Handbook of college libraries: Problems, finance and related aspects.
9. Srivastava S.N. and Verma S.C. University libraries in India. New Delhi, Vikas, 1980.
10. Trehan, G.L. College library development. 1985.

C. Special Library System

Unit – 1 Special Libraries

- Meaning and Definition
- Characteristics
- Aims and Objectives
- Functions
- Role of special libraries in R&D institutions, Industries, Government Departments
- History and Development of Special Libraries in UK, USA and India

Unit – 2 Collection Development and Resource Management

- Meaning and Definitions
- Collection Development Process
- Community Analysis and User Studies
- Formulation of Policy
- Selection
- Acquisition
- Collection Management: Storage, Evaluation and Weeding
- Preservation
- Impediments in Collection Development
- Guidelines for Collection Development
- Organization of Information Materials
- Books
- Periodicals
- Conference Literature
- Technical Reports
- Patents, Standards and Specification
- Learned Society Publication
- Government Publication and Non-book Materials

Unit–4 Planning and Organization of Various Information Services and Library Buildings

- Abstracting Service
- Indexing Service
- Current Awareness Service
- Selective Dissemination of Information
- Newspaper Clipping Services
- Digest Service
- Reference and Referral Service
- Literature Searching and Bibliographic Service
- Micrographic Service
- Planning and Principles of Library Building
- Library Furniture and Equipments

Unit – 5   Resource Sharing and Networking

- Meaning and Definitions
- Need for Resource Sharing
- Objectives
- Factors
- Components
- Areas of Resource Sharing
- Technical Service
- Documentation Services
- Networking
- Definition
- Structure
- Advantages
- Internet

Unit – 5   Library and Information Personnel

- Nature
- Size
- Selection and Recruitment
- Qualifications
- Duties and Responsibilities
- Service Conditions
- Training and Education
- Motivation and Control

Unit – 6   Financing and Budgeting

- Meaning and Definitions
- Objectives of Budgeting
- Attributes of Budget
- Factors in Formulation of Budget
- Budgetary Techniques
- Methods of Financial Estimation
- Allocation

Unit – 7   Library Users and User Studies

- Historical Perspective and Importance
- Need for User Studies
- Types of User Studies
- Objectives
- Types of Users
- Nature of Information Needs
- Techniques of User Studies

Selected Readings:

1. Ashworth, W. Handbook of Special Librarianship and Information Work. Ed .4. London: ASLIB, 1985.
2. Autherton, P. Handbook of Information Systems and Services. Paris: UNESCO, 1977.
3. Bakewell, KGB. Industrial Libraries throught the World. Oxford: Pergaman, 1969.
4. Burket, J. Trends in Special Librarianship. London: Clive Bingly, 1968.
5. Claderhead, P (Ed). Libraries for Professional Practice. London: Architectural Press, 1972.
6. Jackson, EB. Special Librarianship: A New Reader. Metuchen: Scarecrow Press, 1985.
7. Krishan Kumar. Research Libraries in the Developing Countries. Delhi: Vikas, 1973
8. Mount, E. Management of Scientific and Technical Libraries. New York: Haworth, 1984.
9. Pruett, NJ. Scientific and Technical Libraries. 2vols. Orlando: Academic, 1986.
10.   Singh, SP and Krishan Kumar. Special Libraries in the Electronic Environment. New Delhi: Bookwell, 2005.

Paper- 3.7. Library User Services (Practical)

1. Students will be assigned to specific disciplines for
   - Preparing user requirement
   - Preparing a document profiles
   - Preparing Open Source resources in the allotted subject area
   - Identifying the respective subject Institutional Repositories
   - Bringing the awareness among the various resources to the concerned users.
   - Preparing subject gateways of concerned subjects.
   -

Paper- 3.8. Open Electives

A. Electronic Resources & Library Services

Unit-1: Library Services

- Reference and Referral Service

- Abstract, Indexing, ILL, DDS. CAS & SDI Services

- Online services

Unit-2: Electronic resources

- Introduction

- Meaning, definition, nature,

- evolution,

Unit-3: Types of E-resources

- CD/DVD's

- e-books,

- e-journals

- e-databases

Unit- 4: Electronic Resources of Information

- Introduction

- Multimedia Resources,

- Subject Gateways,

- Web and Internet Information Resources;

Unit-5: Information Search

- Search engines

- Search strategy-Boolean, fuzzy,

Unit:6:Institutional repositories

- Electronic Theses and Dissertations (ETDs)

Unit-7: E-Resource Sharing

- UGC Infonet, JCCC@UGC Infonet