

VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT

Master of Library and Information Science (M.L.I.Sc.)

New Syllabus

Sr. No.	Paper No.	Paper	Theory	IA/ Practice	Exam. Marks	Internal Marks	Total Marks
<b>1st SEMESTER</b>							
1	I	Information and Communication (Hours 80/120)	100		70	30	100
2	II	Information Analysis Repackaging and Consolidation and Retrieval (Hours 80/120)	100		70	30	100
3	III	Management of Library and Information Center/Retrieval (Hours 80/120)	100		70	30	100
4	IV	Research Methods and Statistical Techniques (Hours 80/120)	100		70	30	100
<b>2nd SEMESTER</b>							
5	V	Information Technology Application (Theory) (Hours 80/120)	100		70	30	100
6	VI	Information Technology Application (Practical) (Hours 80/120)		100	70	30	100
7	VII	Elective Information System : Academic Library System (Hours 80/120)	100		70	30	100
8	VIII	Dissertation or Project Report	80	20(viva)	100		100

**DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE  
VEER NARMAD SOUTH GUJARAT UNIVERSITY, SURAT.**

**Paper 1 Information and Communication**

**Unit 1 : Information and Communication**

- Information: Characteristics, Nature, Value and Use of Information
- Conceptual difference between Data, Information and Knowledge
- Communication of Information: Information generation
- Communication Channels, models and barriers
- Trends in Scientific Communication

**Unit 2 : Information Science**

- Definition, Scope and Objectives
- Information Science as a discipline and its relationship with other subjects

***Unit 3 : Library, Information and Society***

- Genesis and Characteristics and Implications of Information Society
- Changing Role of Library and Information Centers in Society
- Information Industry-Generators, Providers and Intermediaries
- Intellectual Property Act, Right to Information Acts
- Concept of freedom, censorship, data security and fair use
- Policies relating to information, Right to Information including Science and Technology, Education
- International and National Programmes and Policies (NAPLIS) IT and Library UAP, UBC

**Unit 4 : Economics of Information**

**Unit 5 : Information Management**

**Unit 6 : Knowledge Management**

## **Paper 2 Information Analysis Repackaging and Consolidation and Retrieval**

### **Unit 1 : Abstracting**

- Abstracting: Types and guidelines in preparing Abstract

### **Unit 2 : Repackaging and Consolidation**

- Content Analysis
- Repackaging, formatting, consolidation

### **Unit 3 : Information Products**

- Information Products : Nature, Concept, Types, Design; and Development and Marketing

### **Unit 4 : Trends in Information Analysis, Repackaging and Consolidation, Including Electronic**

- Content Creation

### **Unit 5 : Cataloguing & Subject Indexing : Principles and Practices**

- *Principles of Subject Cataloguing : Assigning Subject Headings Using Library of Congress Subject Headings and Sear's List of Subject Headings etc.*
- *Models-Assigned and Derived*
- *Pre & Post Coordinate Indexing Systems and Citation Indexing*
- *Development of Indexing Concept*

### **Unit 6 : Indexing Language: Types and Characteristics**

- *Indexing Language: Types and Characteristics*
- *Vocabulary Control*
- *Tools of Vocabulary Control*
- *Structure and construction of an IR Thesaurus*
- *Trends in Automatic Indexing*

### **Unit 7 : Information Retrieval**

- *IR Models, Search Strategies; Manual/ Machine, Feedback and Refining*
- *Evaluation of Information Retrieval Systems; Project and Parameters*
- *Trends in IR Models*

### **Paper 3 Management of Library and Information Center/Retrieval**

#### **Unit 1 : Management**

- *Concept; defination and scope;*
- *Management Styles and Approaches*
- *Management Schools of Thought*

#### **Unit 2 : Human Resource Management**

- Organisational Structure
- Delegation, Communication and Participation
- Job Description and Analysis; Job evaluation
- Inter-personal Relations;
- Recruitment Procedures
- Motivation; Group Dyamics
- Training and Development
- Disciplines and Grievances
- Performance Appraisal
- Leadership

#### **Unit 3 : Financial Management**

- Importance, Sources of Finance
- Resource Mobilisation
- Cost Effectiveness and Cost Benefit Analysis
- Outsourcing

#### **Unit 4 : System Analysis and design**

- Library as a System
- Project Management, PERT/CPM,
- Decision Tables
- Performance Measurement, Reengineering, Time and Motion Study
- Swot (Strength, Wealness, Opertunities, Threat)
- DFD (Data Flow Diagram)

#### **Unit 5 : Total Quality Management (TQM)**

- Definition, Concept, Elements
- Quality Audit, Use of Technology
- Techniques of Managing

#### **Unit 6 : Planning**

- Concept, Definition, Need and Purpose, Types
- Policies and Procedures, MBO
- Risk Management, Contingency Management
- Planning of Related Infrastructure, Library Standards

#### **Unit 7 : Managing Change**

- Concept of Change
- Changes in procedures, Methods, Tools and Techniques
- Problems of Incorporating Change
- Techniques of Managing Change

#### **Unit 8 : Marketing of Information Services**

- Marketing: Concept of Marketing (Need of Marketing in Library and Information Science)
- Marketing and Art of Selling
- Planning of Marketing
- Internet and Marketing
- Suggestings for Successful Marketing

## **Paper 4 Research Methods and Statistical Techniques**

### **Unit 1 : Research**

- Concept , Meaning , Need and process of Research
- Types of Research - Fundamental and Applied
- Including inter disciplinary and multidisciplinary approach
- Research and Development of Scholarship

### **Unit 2 : Research Design**

- Conceptualisation and operationalisation
- Types of Research Design
- Identification and formulation of problem
- Hypothesis; 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 Records and Reports
- Sampling Techniques

### **Unit 5 : Data Analysis and Interpretation**

- Descriptive Statistics -Measures of Central Tendency
- Mean, Mode, Median
- Tabulation and Generalisation
- Measures of dispersion, variance and covariance
- Standard Deviation
- Graphical presentation of data - bar, Pie- line Graphs, histograms etc.
- Inferential Statistics
- Z-T test - Correlation
- Regression - linear and non - linear
- Chi Square Test
- Sociometry
- Statistical Packages - SPSS
- Statistical Graphics etc.

### **Unit 6 : Bibliometrics, Scientometrics, and Informetrics**

- Concept and Definition
- Bibliometric Laws; Bradford's; Zipf', Lotka
- Bibliographic Coupling
- Obsolescence
- Citation Analysis
- Webometrics
- Citation Studies
- Informetrics
- Scientometrics

### **Unit 7 : Research Reporting**

- Structure, Style, Contents
- Guidelines of Research Reporting
- Style Manuals - Chicago - MLA - APA etc.
- e-Citation and Methods of Research Evaluation

### **Unit 8 : Current Trends in Library and Information Science Research**

## **Paper 5 Information Technology Application (Theory)**

### **Unit 1 : Library Automation**

- Planning of Implementation of Library Automation
- Automation, In - house operations - Acquisition, Cataloguing, Circulation, Serials Control,
- OPAC, Library Management

### **Unit 2 : Multi Lingual Bibliographic Databases**

- Library Automation Software Packages: Their Study and Composition

### **Unit 3 : Communication Technology**

- Fundamentals of Telecommunication Technology; Media, Mode and Components
- Network Media, UTP Optical Fibre, Ethernet, Network interface card, Hubs, Routers, Modem
- Network Types and Topologies , LAN, WAN, MAN
- Bus, Star, Ring Token Ring, etc.
- Local Area Network - Types and Topologies

### **Unit 4 : INTERNET : Basic Features and Tools**

- Network Base Information Services
- Connectivity: Dialup, Leased lines, ISDN, Digital subscriber lines
- E-Mail, SMTP, Wireless, Send mail, POP3 CK
- Protocols- FTP, HTTP
- Web Serves, Web tools, Search Engines
- Internet Security
- Teleconferencing, Tele-facsimile, Teletex, Videotext

### **Unit 5 : Digital Libraries**

- Genesis, Definition, Objectives, Scope of Digital Libraries
- Image formats, Audioformation
- Storage media Formats-180-9660 DVD
- Software and Hardware for digital libraries, OCR, Image Editing software
- Input capture devices, for digital libraries
- Data Warehousing, Data Mining and Meta Data

### **Unit 6 : Artificial Intelligence & Expert Systems**

(with reference to Library and Information Science)

**Paper 6 Information Technology Application (Practical)**

**Unit 1 : Creation and Maintenance of Databases by SOUL,CDS/ISIS and others**

**Unit 2 : Using of Library Software Packages**

**Unit 3 : CD-ROM, Online searching**

**Unit 4 : Internet Searching**

**Unit 5 : Library and Information Centre web page design and Creation**

**Unit 6 : Library Practical Work (Computerization)**

## **Paper 7 Elective Information System: Academic Library System**

### **Unit 1. Academic Libraries**

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

### **Unit 2. Higher Education and Libraries**

- *Higher Education and Libraries.*
- *History and development of Higher education in India.*

### **Unit 3. User Study and User Education**

- *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**

- 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
- Bibliographic Service
- 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.

### **Paper 8 Dissertation Or Project Report**

1. The marks allocation out of 100 marks shall be 80 marks of written dissertation/project report and 20 marks of viva-voce.
2. The Dissertation/Project report on any assigned topic in the field of Library and Information Science or allied subjects.
3. The Dissertation/Project report will be based on a given topic individually. A Student will select his/her topic in consultation with H. O. D. and his/her guide.
4. The Dissertation/Project report should be prepared under the guidance of a member of the faculty at M.L.I.Sc. course
5. The Dissertation/Project report not less than 100 pages (Typed Computer print out) and size of the The Dissertation/Project report shall be A4 size papers and shall have typed in double spaces.
6. The Dissertation/Project report shall embody the original research and will have to be certified by the student and the guide
7. Two copies of The Dissertation/Project report shall be submitted by the student duly certified by the guide.
8. The Dissertation/Project report shall be evaluated by Two examiners
9. The Dissertation/Project report shall be submitted at least one month before the commencement of the university examination
10. Guiding the students for the dissertation / Project Report the Coordinator will arrange guidance / counseling lectures from the faculty teaching at M.L.I.Sc. course.

**NOTE: TO FAMILIAR WITH THE FUNCTIONING OF VARIOUS TYPES OF LIBRARIES STUDY TOUR IS COMPULSORY FOR ALL THE STUDENTS**