

M.Lib.I.Sc. - SEMESTER II

Class : M.Lib.I.Sc.

Paper Code : MLIS 201 **Title of Paper** : Management of Libraries And Information Centres – B

Credits : 4 **No. of Lectures** : 60

Course Objectives (COs):

1. To familiarize students with the concept of System Analysis, Management of Change, TQM & Marketing of LIS services.
1. To make the students acquainted with the basic concepts of management.
2. To introduce the students with the basics of library administration & management.
3. To familiarize students with the library housekeeping operations.
4. To create understanding about financial management.
5. To acquaint students with the recent trends in library management.
6. To make the students aware about library management system and their functions.

Course Outcomes (COs):

1. The students will be understand a theory of TQM, Management of Libraries And Information Centres.
2. Understand the concept, importance of management and Schools of Management Thought.
3. Apply the diverse models of Performance Evaluation Standards in libraries of all kinds.
4. Analyze the planning steps, strategies and techniques and apply decision making process in Information centers.
5. Understand the concept of Human Resource Management and apply organization models such as job description and job analysis in information centers.
6. Evaluate budgeting techniques and importance of Financial Management
7. Discuss & adapt the importance of Collection Development and Evaluation policies.

TOPICS/CONTENTS:

Total No Of Credits = 04	
UNIT 1	System Analysis & Design (15L) 1.1 Library as a system, system analysis & design 1.2 Monitoring & Control techniques: Management Information System, Network techniques- PERT/CPM 1.3 Performance Measurement & Evaluation Technique 1.3.1 Performance Measurement – concept, need, Performance Measurement in LICs, Time & Motion Study 1.3.2 Performance Evaluation of libraries- meaning, objectives, stages, areas, method, evaluation of library performance, SWOT analysis
UNIT 2	Total Quality Management (15L) 2.1 Total Quality Management: Concept, objectives, elements, 2.2 techniques and quality audit, 2.3 TQM for LICs
UNIT 3	Change Management (14L) 3.1 Change Management: Concept, forces of change 3.2 Changes in procedure, types, steps, techniques, problems, 3.3 Change Management in LICs Re-engineering- concept, steps, sources, Re-engineering in libraries
UNIT 4	Marketing of Library & Information Services (16L) 4.1 Marketing of Library & Information Services: Concept, need, market analysis 4.2 Market segmentation, marketing mix, marketing audit 4.3 Marketing of library products & services, promotion techniques including electronic media

Course : Management of Libraries and Information Centres – B
Course Code : MLIS-201

Weight age : 1= weak or relation, 2= moderate or partial relation, 3= strong or direct relation

Programme Outcomes (POs)								
Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3		2					3
CO 2	3							
CO 3	3							3
CO 4								
CO 5		2						
CO 6		2					2	
CO 7		2					2	

Justification for the Mapping

PO1 Research-Related Skills and Scientific temper:

All of the course outcomes (COs) contribute to the development of students' Research-Related Skills and Scientific temper. For example, CO1, CO2, require students to Performance Measurement – concept, need, Performance Measurement in LICs, Time & Motion Study.

PO2 Effective Citizenship and Ethics:

The entire COs also contributes to Effective Citizenship and Ethics. For example CO5 and CO7 students will be understand Change Management.CO6 marketing of library products & services

PO3 Social competence and communication skills:

CO1 also contributes to Social competence and communication skills For example CO7 students will be social competence about management report.

PO7 Environment and Sustainability:

CO6 and CO7 contribute to Environment and Sustainability. For example CO6 and CO7 students to develop their marketing audit

PO8 Critical Thinking and Problem solving:

The entire COs also contributes to the development of students' critical thinking and problem-solving skills. For example, CO1 and CO3 require students to Market segmentation, marketing mix,

Class : M.Lib.I.Sc.

Paper Code : MLIS 202 **Title of Paper** : Statistical Techniques Of Research & Bibliometrics

Credits : 4 **No. of Lectures** : 60

Course Objectives (COs):

1. To understand the use of various data collection tools & statistical techniques for research.
2. To introduce the concept of Bibliometrics.
3. To familiarize the art and style of writing a research report.
4. Understand the concept of Research, its characteristics and types.
5. Identifying Research process & Build a research design for various research types.
6. Applying the process of Review of Literature and its characteristics in research.
7. Understand and relate the different types of research methods.

Course Outcomes (COs):

1. Can perform and access research based practices through the application of Information literacy, inquiry, and research methods including data discovery, Analytics and qualitative measures.
2. Analyzing and choosing the types of data to be collected and applying in the various types of research.
3. Creating and compiling the data for testing various an analysis methods using statistical tools and Construct a Research Report using proper style and Structure.
4. Understand and Remember the basic ideas & Concept of Research Methods.
5. Understanding the main outline of different types in Research.
6. Remembering & Understanding the process of Research.
7. Stating the main idea of good research.

TOPICS/CONTENTS

Total No Of Credits = 04	
UNIT 1	Research techniques and Tools (15L) 1.1 Questionnaire, Interview, Observation, Scales and Check lists, 1.2 Sampling techniques: definition, purpose, types (Probability & non- probability)
UNIT 2	Data Analysis and Interpretation (15L) 2.1 Preliminary Analysis-data editing, classification, tabulation, graphic presentation 2.2 Statistical Analysis-concept, Descriptive Statistics (measures of central tendency; dispersion-range, variance, standard deviation; correlation), Inferential Statistics (regression-linear & non-linear, Z-T test, chi-square test), Statistical Packages-SPSS
UNIT 3	Bibliometrics, Scientometrics, and Informetrics (15L) 3.1 Bibliometrics : Concept , laws – Bradford, Zipf, Lotka, 3.2 Scientometrics : Concept , Sociometry-Concept 3.3 Informetrics : Concept , analysis
UNIT 4	Research Reporting (15L) 4.1 Research Reporting: structure, style & contents 4.2 Style manual-Chicago, MLA, APA, citations of print and electronic sources

Class : M.Lib.I.Sc.

Subject : Library and Information Science

Course : Statistical Techniques of Research Bibliometrics **Course Code** : MLIS-202

Weight age : 1= weak or relation, 2= moderate or partial relation, 3= strong or direct relation

Programme Outcomes (POs)								
Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3			3				3
CO 2	3	3		3				
CO 3	3	3						3
CO 4	3							
CO 5	3			2				
CO 6	3	2					2	
CO 7	3		2				2	

Justification for the Mapping

PO1 Research-Related Skills and Scientific temper:

All of the course outcomes (COs) contribute to the development of students' Research-Related Skills and Scientific temper. For example, CO1, CO2, and CO3 require students to access research based practices through the application of Information literacy, inquiry, and research methods including data discovery analytics and Qualitative measures.CO4 and CO5 require students to different methods and techniques of research and use of data collection tools, organization and representation of data. CO6 and CO7 require students to data analysis techniques and prepare research report.

PO2 Effective Citizenship and Ethics:

The entire COs also contributes to Effective Citizenship and Ethics. For example CO2 and CO3 students will be understand ethical aspect of research.CO6 students to use their Research awareness in data analysis.

PO3 Social competence and communication skills:

CO7 also contributes to Social competence and communication skills For example CO7 students will be social competence about research report.

PO7 Environment and Sustainability:

CO6 and CO7 contribute to Environment and Sustainability. For example CO6 and CO7 students to develop their data analysis technique to use prepare project work.

PO8 Critical Thinking and Problem solving:

The entire COs also contributes to the development of students' critical thinking and problem-solving skills. For example, CO1 and CO3 require students to think critically about how to used style manual in Research project.

Class : M.Lib.I.Sc.

Paper Code : MLIS 203 **Title of Paper** : Bibliographic Control and Information Systems

Credits : 4 **No. of Lectures** : 60

Course Objectives (COs):

1. To familiarize students with the meaning and tools for Bibliographical Control of Information.
2. To provide knowledge about the information systems and understand the Rationale behind Internationalization in information systems.
3. To give details of the information sources, resources, systems and services in the field of biological and applied sciences so that their use becomes easier.
4. Understand the nature and characteristics of business information.
5. Acquaint with the components of Industrial Information System.
6. Know about the Industrial Information sources, products and services.
7. To make the students aware of the Business Information System.

Course Outcomes (COs):

1. The students will be able to identify the concept of Bibliographic Control and Information Systems.
2. Know the various types of information sources and resources available in Biological and applied Sciences
3. Understand the role and types of information systems in the field of Biological and Applied Sciences
4. Use Information Services available for users from different service providers
5. Understand different branches of knowledge in the field of Biological and Applied Sciences and the information resources and services available therein
6. Organise business information for end user.
7. Develop acquaintance with the role of industrial Institutions and networks.

Justification for the Mapping

PO3 Social competence and communication skills:

CO3 also contributes to Social competence and communication skills For example CO3students to develop new skills for design of Information Systems.

PO4 Disciplinary Knowledge:

All of the course outcomes (COs) contribute to the disciplinary Knowledge For example, CO4 require The students will be able to identify the concept of Bibliographic Control and Information Systems to acquire disciplinary knowledge.

Paper Code: MLIS 205

Title of Paper : Information Technology Applications :
Practical

Credits : 4

No. of Lectures : 60

Course Objectives (COs):

1. To provide students with hands-on-experience in the use of Library Software, CD and Internet Search.
2. To develop skills in web page designing.
3. Should be able to use application software like word processor, spread sheets, power point presentation and MS access
4. Designing of web page by using HTML tags.
5. Should be able to understand technology and issues involved in using library automation software's.
6. To select appropriate library automation software and effectively use it.
7. To plan and design automated library system.

Course Outcomes (COs):

1. The students will be able to learning library software, CD search Webpage designing.
2. Understand and learn the basic skills of Information Technology and computer
3. Identify and understand the different useful application software and Learn system software
4. Learn about the different Number Systems (Binary, Octal, Decimal and Hexadecimal)
5. Analyze the different programming languages (Machine, Assembly and High-Level Languages)
6. Understand fundamentals of Telecommunication and e-publishing
7. Develop understanding of Digitization process.

TOPICS/CONTENTS

Total No Of Credits = 04	
UNIT 1	Using Library Software SOUL or any locally available library software. Creation & maintenance of bibliographic database of minimum 50 documents using SOUL or any locally available library software
UNIT 2	CD search :Study of minimum 5 CDs(text, graphic) Digitization of documents (scanning, OCR etc.)
UNIT 3	Web Search :Searching information on two subjects using various search strategies-Basic, Advanced, truncation, wild card, pearl citation, google scholar, N-list etc. Content management software
UNIT 4	Web Page Designing Open a Page, Create a New Page, and Give Pages a Consistent Look (eg.-themes), Add Page Elements (eg. Page Banner), Create Hyperlinks

Class : M.Lib.I.Sc.

Subject : Library and Information Science

Course : Information Applications Technology: Practical

Course Code : MLIS-205

Weight age : 1= weak or relation, 2= moderate or partial relation, 3= strong or direct relation

Programme Outcomes (POs)								
Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	3						
CO 2	3	3		2				
CO 3	3			3				
CO 4	3	3						
CO 5	2		3					
CO 6	3	2						
CO 7	2			2				

Justification for the Mapping

PO1 Research-Related Skills and Scientific temper:

All of the course outcomes (COs) contribute to the development of students' Research-Related Skills and Scientific temper. For example, CO1, CO2, and CO3 require students to standard developing digital library system and content management system, web 2.0 and semantic web technologies CO4 and CO5 students understanding the institutional repositories and their usages. CO6 and CO7 use of communication and networking technologies.

PO2 Effective Citizenship and Ethics:

The entire COs also contributes to Effective Citizenship and Ethics. For example CO1 and CO2 to explore the applications of software. CO6 students to use their knowledge about the database management.

PO3 Social competence and communication skills:

CO5 also contributes to Social competence and communication skills For example CO5 students will trained in
ICT and automation skills.

PO4 Disciplinary Knowledge:

All of the course outcomes (COs) contribute to the development of students' disciplinary Knowledge. For example CO2 and CO3 require students understand the web 2.0 and semantic web technologies in digital library systems.CO7 students gain knowledge to current trends in library networks in india .

Credits : 4

No. of Lectures : 60

Course Objectives (COs):

1. To develop skills using research methods, techniques and tools
2. Discover a suitable topic on current issues from Library and Information Centres and develop analytical thinking
3. Objectives and Methodology Devise the methodology, Plan for the execution of the project work, and sketch the work plan
4. Analysis Solve the problem through various Statistical techniques
5. Summarize the findings
6. Justify results in logical and scientific way
7. Defend the findings

Course Outcomes (COs):

1. Choose an appropriate problem and suitable methodology with respect to current challenges in the field
2. Survey literature sources to know the origin and development of a problem to fill up the research gap
3. Compile project findings for presenting the solution to broader audience
4. Practice ethical and professional values
5. Justify the findings and give recommendations
6. Propose new, sustainable and innovative solutions for real time problems in Library and Information Centres
7. Justify the conclusion

TOPICS/CONTENTS

	Total No Of Credits = 04
	The Project report shall be on an approved topic pertaining to Library and Information Science. Each student shall work under the supervision and guidance Of a teacher for his / her Project report.

Class : M.Lib.I.Sc.
Course : Project Report

Subject : Library and Information Science
Course Code : MLIS- 204

Weight age : 1= weak or relation, 2= moderate or partial relation, 3= strong or direct relation

Programme Outcomes (POs)								
Course Outcomes	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3			2				
CO 2								
CO 3	3		2			3		
CO 4	3		2		3			
CO 5								3
CO 6				2				
CO 7	3			2				

Justification for the Mapping

PO1 Research-Related Skills and Scientific temper:

All of the course outcomes (COs) contribute to the development of students' Research-Related Skills and Scientific temper. For example, CO1, CO3, and CO4 require students to be acquainted with the research process and understanding the research databases. CO7 presents and discusses the research results with colleagues with scientific temper.

PO3 Social competence and communication skills:

CO3 also contributes to Social competence and communication skills. For example, CO3 students acquire research skills.

PO4 Disciplinary Knowledge:

All of the course outcomes (COs) contribute to the development of students' disciplinary Knowledge. For example, CO1 makes students acquainted with the research process. CO6 and CO7 students gain knowledge to present and discuss the research results with colleagues and senior researchers.

PO5 Personal and professional competence:

CO4 also contributes to Personal and professional competence. For example, CO4 students perform a research project according to an individual study plan for professional competence.

PO6 Self-directed and Life-long learning:

The entire COs also contribute to Self-directed and Life-long learning. For example, CO3 student directed learning to writing research proposal.

PO8 Critical Thinking and Problem solving:

CO5 also contributes to Critical thinking and problem solving. For example, CO5 shows independence, critical and creative thinking for the students.

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