



Anekant Education Society's  
**Tuljaram Chaturchand College, Baramati**  
(Autonomous)

**One Year Degree Program in Library Science**

**(Faculty of Interdisciplinary Studies)**

**CBCS Syllabus**

**M.Lib.I.Sc. Semester –I**

**For Department of Library and Information Science  
Tuljaram Chaturchand College, Baramati**

**Choice Based Credit System Syllabus (2024 Pattern)  
(As Per NEP 2020)**

**To be implemented from Academic Year 2024-2025**

## **Title of the Programme : M.Lib.I.Sc.**

### **Preamble :**

AES's Tuljaram Chaturchand College has decided to change the syllabus of various faculties from June, 2023 by taking into consideration the guidelines and provisions given in the National Education Policy (NEP), 2020. The NEP envisions making education more holistic and effective and to lay emphasis on the integration of general (academic) education, vocational education and experiential learning. The NEP introduces holistic and multidisciplinary education that would help to develop intellectual, scientific, social, physical, emotional, ethical and moral capacities of the students. The NEP 2020 envisages flexible curricular structures and learning based outcomes for the development of the students. The credit structure and the courses framework provided in the NEP are nationally accepted and internationally comparable.

Field of library science is developing very fast have great impact of information technology. LIS professionals are not now limited only with the traditional library services, but they have to keep themselves abreast with the current developments in their field. The job of LIS professionals is now blended with IT professionals. To cope with the new challenges in the field, LIS professionals should perform with library skills, Board of Studies Library and Information Science of Tuljaram Chaturchand College, Baramati - Pune has prepared the syllabus of One Year M.Lib.I.Sc. Semester - I under the Choice Based Credit System (CBCS) by following the guidelines of NEP 2020, NCRF, NHEQF, Prof. R.D. Kulkarni's Report, GR of Gov. of Maharashtra dated 20th April and 16th May 2023 and Circular of SPPU, Pune dated 31st May 2023.

Librarianship as a profession provides a variety of employment opportunities. In Fact, it is possible to choose the kind of library to suit one's interest and background. Persons with a superior record high qualification can achieve high position. The salaries in college, university libraries are comparable to those of teachers.

## Programme Specific Outcomes (POs)

On completing Master of Library and Information Science Programme, students shall be able to realize following outcomes:

### **PO1 Research-Related Skills and Scientific temper:**

Infer scientific literature, build a sense of enquiry and be able to formulate, test, analyse, interpret and establish hypothesis and research questions; and to identify and consult relevant sources to find answers. Able to plan and write a research paper/project while emphasizing on academics and research ethics, scientific conduct and creating awareness about intellectual property rights and issues of plagiarism.

### **PO2 Effective Citizenship and Ethics:**

Demonstrate empathetic social concern and equity centered national development and act with an informed awareness of moral and ethical issues and commit to professional ethics and responsibility

### **PO3 Social competence and communication skills:**

Demonstrate ability to accommodate the views of others and present their own opinions and complex ideas, in written or oral form, in a clear and concise manner in group settings. Exhibit thoughts and ideas effectively in writing and orally; communicate with others using appropriate media, build effective interactive and presenting skills to meet global competencies. Elicit views of others, present complex information in a clear and concise and help reach conclusion in group settings.

**PO4 Disciplinary Knowledge:** Demonstrate comprehensive knowledge and a strong theoretical grounding in their area of work.

### **PO5 Personal and professional competence:**

Perform independently and also collaboratively as a part of a team to meet defined objectives and carry out work across interdisciplinary fields. Execute interpersonal relationships, self-motivation and adaptability skills and commit to professional ethics.

### **PO6 Self-directed and Life-long learning:**

Demonstrate attitudes of being a life-long learner who passionately pursues self determined goals in the broadest context of socio-technological changes. Acquire the ability to engage in independent and life-long learning in the broadest context of socio technological changes.

### **PO7 Environment and Sustainability:**

Understand the impact of the scientific solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development.

### **PO8 Critical Thinking and Problem solving:**

Identify problems by closely examining the situations around them and think holistically about the phenomena and generate viable solutions to these problems. Exhibit the skill of critical thinking and understand scientific texts and place scientific statements and themes in contexts and also evaluate them in terms of generic conventions. Identify the problem by observing the situation closely, take actions and apply lateral thinking and analytical skills to design the solutions.

Anekant Education Society's  
**Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati.**  
(Autonomous)

**Board of Studies in Library and Information Science**

**(From 2022-2023 to 2024-2025)**

<b>Sr. No.</b>	<b>Name of Member</b>	<b>Designation</b>
1.	Mr. D.V. Munguskar	Chairman
2.	Mrs. K.H.Kolekar	Internal Member
3.	Dr. Sadanand Bansode	External Member Voice - Chancellor Nominee.
4.	Mr. Narendra Patil	External Member Other University
5.	Dr. K.P. Kumbhar	External Member Other University
6.	Mr. Anant Wagh	Industrial Member
7.	Mrs. Vidhya Jagtap-Pingale	Meritorious Alumni
8.	Mr. Sabale Jayvant	Students Representative

Credit Distribution Structure for Master of Library and Information Science M.Lib.I.Sc. 2024-2025  
(1 Year PG Degree)

Year (1Year PG)	Level	Sem.	Major		Resear ch Manda tory (RM)	OJ T/ FP	RP	Cum. Cr.	Degree
			Mandatory	Electives					
I	6.5	Sem-I	LIS -501-MJM: Information Communication (Credit 04) Society	LIS -511- MJE: (A) Academic Library System (Credit 04) <b>OR</b> LIS -511- MJE: (B) Information Literacy (Credit 04)		---	LIS- 521-RP: Research Project Part - I  (Credit 04)	22	Master of Library and Inform ation Science
			LIS -502-MJM: Management of Libraries & (Credit 04) Information Centers						
			LIS -503- MJM :Information Technology :Theory (Credit 04)						
			LIS -504- MJM :Information Retrieval (Credit 02)						
		Sem-II	LIS -551- MJM : Bibliographic Control & Information Systems (Credit 04)	LIS -561- MJE (A) Digital Information Management (Credit 04) <b>OR</b> LIS -561- MJE (B) E-Publishing (Credit 04)	--	--	LIS -581- RP : Research Project Part - II  (Credit 06)	22	
			LIS -552- MJM : Statistical Techniques of Research Bibliometrics (Credit 04)						
			LIS -553- MJM : Information Technology Application : Practical (Credit 04)						
<b>Cum. Cr. For PG Diploma</b>			<b>26</b>	<b>08</b>	--	--	<b>10</b>	<b>44</b>	

Anekant Education Society's  
Tuljaram Chaturchand College of Arts, Science and Commerce, Baramati  
(Autonomous)

**Course Structure for M.Lib.I.Sc. (2024 Pattern)**

Sem	Course Type	Course Code	Course Title	Theory / Practical's	No. of Credits
<b>I</b>	Major (Mandatory)	LIS-501-MJM	Information Communication Society	Theory	4
	Major (Mandatory)	LIS-502-MJM	Management of Libraries & Information Centers	Theory	4
	Major (Mandatory)	LIS-503-MJM	Information Technology : Theory	Theory	4
	Major (Mandatory)	LIS-504-MJM	Information Retrieval	Theory	2
	Major (Elective)	LIS-511-MJE (A)	Academic Library System	Theory	4
		LIS-511-MJE (B)	Information Literacy	Theory	
Major (Mandatory)	LIS-521-RP	Research Project Part-I	Project	4	
<b>Total Credits Semester I</b>					<b>22</b>
<b>II</b>	Major (Mandatory)	LIS-551-MJM	Bibliographic Control & Information Systems	Theory	4
	Major (Mandatory)	LIS-552-MJM	Statistical Techniques of Research Bibliometrics	Theory	4
	Minor (Mandatory)	LIS-553-MJM	Information Technology Application : Practical	Practical	4
	Major (Elective)	LIS-561-MJE (A)	Digital Information Management	Theory	4
		LIS-561-MJE (B)	E-Publishing	Theory	
	RP	LIS-581-RP	Research Project Part-II	Project	6
<b>Total Credits Semester II</b>					<b>22</b>
<b>Cumulative Credits Semester I and II</b>					<b>44</b>

## **CBCS Syllabus as per NEP 2020 for M.Lib.I.Sc. Sem-I (2024 Pattern)**

**Name of the Programme :** M.Lib.I.Sc. Library and Information Science

**Programme Code :** PALIS

**Class :** M.Lib.I.Sc.

**Semester :** I

**Course Type :** Major Mandatory (Theory)

**Course Code :** LIS-501-MJM

**Course Title :** Information Communication Society

**No. of Credits :** 04

**No. of Lectures :** 60

### **Course Objectives (COs):**

1. To introduce to the students the concept of Information & its Communication in Knowledge Society.
2. To familiarize the students with professionalism & LIS Education
3. To introduce students with the concept of Economics of Information and Information Industry & Knowledge Management.
4. To provide basic understanding of the core concepts of data, information, knowledge and the Philosophy.
5. Values of various types of libraries and librarianship and institutions involved in their developments.
6. To know the nature of information and its characteristics
7. To gain knowledge on types of library associations, legislation and promoters of service.

### **Course Outcomes (POs):**

**By the end of the course, students will be able to:**

- CO1:** Comprehend the concept of information, data and information; and the knowledge society and increasing role of digital information in the present-day life;
- CO2:** Understand the role of libraries in the development of the society, philosophical foundations and the development of libraries and objectives and functions of different types of libraries;
- CO3:** Aware about the concept of open access to the library and information with the related legal and related issues; and
- CO4:** Assess the role of national and international library associations and agencies and networks work for the development and promotion of libraries and library professionals.
- CO5:** Can manage information resources and the information life-cycle through the processes of Collection development, organization, preservation, conservation, access, and dissemination in accordance with physical, virtual, and technical infrastructure and needs
- CO6:** Understand purpose, role and importance of libraries in society.
- CO7:** Understand Library and Information Science as a Discipline.

**Topics :**

<b>Total No of Credits = 04</b>	
<b>UNIT 1</b>	<b>Information , Communication &amp; Knowledge Society (15L)</b> 1.1 Information: Characteristics & Properties of Information, Use of Information in R & D, Business and Industry. 1.2 Information & its communication: formal and Informal communication, models of communication, Scholarly communication process, scientific communication, barriers of communication. 1.3 Knowledge Society and the Library : Knowledge Society: Genesis, Characteristics and Implication & Changing Role of LIC & professionals in Knowledge Society.
<b>UNIT 2</b>	<b>Library and Information Science Education &amp; Professionalism (15L)</b> 2.1 Library and Information Science Education: levels & curriculum of LIS Education in India, methods of teaching and evaluation in LIS Education, Accreditation of LIS Education in India. 2.2 Professionalism: professional ethics ( definition, concept, need & purpose)
<b>UNIT 3</b>	<b>Information and Knowledge Management (15L)</b> 3.1 Information Management : Concept & Methods 3.2 Knowledge Management : definition, objectives, methods & tools
<b>UNIT 4</b>	<b>Economics of Information (15L)</b> 4.1 Concept, and Substance of Economics, Economics of information 4.2 Economic Characteristics of Information as a commodity 4.3 Information & Knowledge Industry -definition & kinds of knowledge

**Mapping of Program Outcomes with Course Outcomes****Class** : M.Lib.I.Sc.**Subject** : Library and Information Science**Course** : Information, Communication and Society **Course Code** : LIS-501-MJM**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			3					
CO 3			2					
CO 4	3	2			2			
CO 5	3			2	2	2		
CO 6	3	2				2		

**PO1 Research-Related Skills and Scientific temper:**

**CO1. Research Skills Justification:** For effective research collaboration, understanding how data communication benefits and networking applications work is essential. This skill enables researchers to leverage technological tools for collaborative projects.

**CO2** Research often involves the use of data communication and networks for data exchange and collaboration. Understanding these concepts is crucial for conducting research in a digitally connected world.

**PO2 Effective Citizenship and Ethics:**

**CO2** In the digital age, understanding data communication and networks is essential for effective participation in an interconnected world. Citizens need to comprehend how information flows, is transmitted, and is secured in various networked environments.

**CO3** Communication ethics are critical in ensuring that information is conveyed truthfully, respectfully, and without harm. Understanding communication models also helps individuals recognize and navigate potential ethical challenges in communication.

**PO3 Social competence and communication skills:**

**CO3** Information professionals need to communicate effectively to provide services and facilitate knowledge sharing. This involves interpersonal skills, active listening, and the ability to convey information in a clear and understandable manner. Social competence is crucial in understanding the information needs of users and tailoring services accordingly.

**PO4 Disciplinary Knowledge:**

**CO6** Open Access is a critical aspect of scholarly communication. Professionals need to comprehend its significance in fostering accessibility to scholarly information. This PO ensures awareness and understanding of the means to promote Open Access.

**PO5 Personal and professional competence:**

**CO4.** Understanding the benefits of data communication and networking applications within organizations demonstrates a proactive approach to leveraging technology for professional growth. This competence allows individuals to identify and implement innovative solutions, contributing to the efficiency and effectiveness of organizational processes.

## **PO6 Self-directed and Life-long learning:**

**CO5.** Communication theories and models evolve, and staying informed about these changes is essential for effective communication. This aligns with the self-directed learning aspect as individuals need to update their knowledge to communicate effectively in different contexts.

**CO6.** The concept of Open Access is dynamic, and understanding its significance requires ongoing learning. This skill promotes self-directed learning by encouraging individuals to stay informed about the evolving landscape of scholarly communication

### **References :**

1. Abell Angela and Nigel Oxbrow, *Competing with Knowledge: The Information Professional in the Knowledge Management Age*. London: Facet Publishing, 2001.
2. Blaise Cronin. ed. *Information Management :from strategies to action*. London Aslib,1985.
3. Bikowrtx W. R.: *Knowledge Management Delhi PHI*. 2000
4. Chorafas D. N. *Knowledge Revolution*. 1968.
5. Crawford, Marshali Jean: *Information Broking: a new career in information work*, London: L.A. 1988
6. Dhiman A.K.: *Knowledge Management for Librarians*.New Delhi: Ess Ess, 2009
7. Galatin, Malcolm & Laiter, Robert D eds. *Economics of Information London : Nijhoff* ,1981
8. Gurnsey, John and White Martin. *Information Consultancy London Clive Binglev* 1989.
9. Koenig Michael E.D. and Shrikantaiah(Ed): *Knowledge Management: lessons learned what works and what doesn't*, New Delhi: Ess Ess, 2008
10. Koenig Michael E.D. and Shrikantaiah T.K.(Ed): *Knowledge Management in Practice : connection & context*, New Delhi: Ess Ess, 2008
11. Kumar (PSG) *A Student's Manual of Library &Information Science Delhi : BR Publishing House,2002*
12. Kumar P.S.G.: *Fundamentals of Information Science*, New Delhi, S. Chand & Co.Ltd., 1998.
13. Laxman Rao (N), Vishwa Mohan (V) and Sudarshan Rao (S) Ed. *Changing Dimensions of LIS Education Hyderabad : JATIIS*, 2008
14. Machlup F & Manstield, Uma eds. *The Study of Information interdisciplinaryMessages*.New York: Wiley 1983
15. Masuda Y. *The Information Society* 1980
16. Mc Garry, K.J *The Changing Contest of Information: an Introductory Analysis* London:Bingley. 1981.
17. Meadows, A. J. *Communication in Science*. London Butterworths
18. Nacgkyo J. *Knowledge its Creation Distribution and Economic Significance V1 1980, V21982, V3 1984*.
19. Nigam B.S. and Kataria S.: *Knowledge Management in the Digital Era*. New Delhi: Mahamaya Pub. House, 2008
20. Prasher, R.G. *Information and its communication* New Delhi: Medallion Press. 1991
21. Roberts, Stephen A Ed. *Costing & the Economics of Library & Information Services* London Aslib, 1984
22. Rozsa G. *Scientific Information and Society* 1973.
23. Shera JiI: *The Foundations of Education of Librarianship Bombay : Asia*, 1970.
24. Shrikantaiah T.K.: *Knowledge Management in Practice, Information Today,2008*
25. Wolpert S.A. Wolpert, J. Y. *Economics of information* 1986

<b>Name of the Programme</b>	: M.Lib.I.Sc. Library and Information Science
<b>Programme Code</b>	: PALIS
<b>Class</b>	: M.Lib.I.Sc.
<b>Semester</b>	: I
<b>Course Type</b>	: Major Mandatory (Theory)
<b>Course Code</b>	: LIS-502-MJM
<b>Course Title</b>	: Management of Libraries & Information Centers
<b>No. of Credits</b>	: 04
<b>No. of Lectures</b>	: 60

### Course Objectives (COs):

1. To study the functions of management & their application to librarianship.
2. To familiarize students with the concept HRD, planning and systems of financial management and control.
3. To introduce the students budgeting & its methods.
4. Equip with the skills of managing resources, money, people and time, change and
5. Demonstrate management skill in libraries and information centers.
6. The course is designed to understand the basics of library management theories, terminology and methods .
7. along with current issues relevant to the management of libraries and information centres

### Course Outcomes (POs):

**By the end of the course, students will be able to:**

- CO 1 :** The students are able to identify & describe the characteristic of library management Systems.
- CO 2 :** The intention of this paper is to prepare students to manage the library
- CO 3 :** To train the students prepare library budget.
- CO 4 :** Describe the terminology of management with its related terminology as applied to libraries and information centres.
- CO 5 :** Orient the students with different schools of thought
- CO 6 :** Identify the fundamental components of management, planning, organizing, staffing, directing and control;
- CO 7:** Identify the main approaches to the study of the management of an organization

**Topics :**

<b>Total No. of Credits = 04</b>	
<b>UNIT 1</b>	<p><b>Management (15L)</b></p> <p>1.1 Concept, Definitions, Functions and Scope            1.2 Styles, Approaches            1.3 Schools of Management Thoughts            1.4 Concept of Scientific Management</p>
<b>UNIT 2</b>	<p><b>Planning (14L)</b></p> <p>2.1 Planning : Meaning, Definition, Need            2.2 Types of Planning, Steps            2.3 Policies &amp; Procedures, MBO, Decision Making            2.4 Building and Space management in LICs, Risk &amp; Contingency Management</p>
<b>UNIT 3</b>	<p><b>Human Resource Management (16L)</b></p> <p>3.1 Human Resource Management : Concept, Definition, Job analysis, Job description            3.2 Organization Structures of the Library</p>
<b>UNIT 4</b>	<p><b>Financial Management (15L)</b></p> <p>4.1 Budgeting : Concept Definitions, Techniques &amp; Methods : PPBS, ZBB            4.2 Budgetary Control Systems: Cost-Effectiveness &amp; Cost- Benefit Analysis            4.3 Outsourcing: Concept, Need, Benefits, Limitations, Library services to be outsourced</p>

**Class** : M.Lib.I.Sc.

**Subject** : Library and Information Science

**Course** : Management of Libraries & Information Centres **Course Code** : LIS-502-MJM

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

<b>Programme Outcomes (POs)</b>								
<b>Course Outcomes</b>	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1	3	2						
CO 2		3						
CO 3		2						
CO 4	3	2			2			
CO 5	3				2			
CO 6	3	2						
CO 7					2			
CO8						3		

## 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, and CO4 require students to Schools of management CO4 and CO5 require students to understand the various sections in library. CO6 Human Resource Management

### **PO2 Effective Citizenship and Ethics:**

All of the COs also contributes to Effective Citizenship and Ethics. For example, CO1, CO2, and CO3 The students will be understand TQM, Management, change management ethics CO4 students to use their Effective management system in library.

### **PO5 Personal and professional competence:**

CO4, CO5, CO7 contribute to the development of students' Personal and professional competence. For example, CO5 requires students to understand the various section in Library.

### **PO6 Self-directed and Life-long learning:**

CO8, also contributes Self-directed and Life-long learning For example, main approaches to the study of the management of an organization.

## References

1. Agrawal, O. (1993). *Preservation of Art, objects and Library Materials*. New Delhi: National book Trust.
2. Burge, R. H. (2017). *Financial Management of Libraries and Information Centers*. California: Libraries Unlimited.
3. Chapman, L. (2001). *Managing Acquisitions in Library and Information Resources*. London: Library Association.
4. Kumar, K. (1982). *Library Manual*. New Delhi: Vikas Publishing House.
5. McDonald, A. (2016). *Management of libraries*. New York: Magnum Publications.
6. Mittal, R. (1984). *Library Administration*. New Delhi: Metropolitan.
7. Ranganathan, S. (1960). *Library Management*. Bombay: Asia.
8. Sharma, P. &. (2013). *Collection development and management in libraries and information centres in digital scenarios*. New Delhi: SSDN Publishers.
9. Singh, R. (1993). *Conservation of Documents in Libraries, Archives and Museums*. New Delhi: Aditya.
10. Taylor, S. (2018). *Management of Libraries and Information Centres*. US.

<b>Name of the Programme</b>	: M.Lib.I.Sc. Library and Information Science
<b>Programme Code</b>	: PALIS
<b>Class</b>	: M.Lib.I.Sc.
<b>Semester</b>	: I
<b>Course Type</b>	: Major Mandatory (Theory)
<b>Course Code</b>	: LIS- 503-MJM
<b>Course Title</b>	: Information Technology: Theory
<b>No. of Credits</b>	: 04
<b>No. of Lectures</b>	: 60

### Course Objectives (COs):

1. To introduce the concept & use of ICT and its application in Libraries and Information Centers.
2. Development of skills in planning and implementation of library automation
3. Study of digital library, use of e-documents & current trends in the use of ICT
4. To train the students in applying Information and Communication Technology in Libraries and Information Centre's
5. Acquire skills required for handling different operating systems and use application software for office management
6. To understand the concepts of networking and web technology.
7. Students can understand the basic concept of RFID.

### Course Outcomes (COs):

**By the end of the course, students will be able to:**

**CO1:** To provide basic concepts related to digital library system;

**CO2:** To explore the applications of software and standards in developing digital library systems.

**CO3:** To learn the use of content management system, web 2.0 and semantic web technologies in digital library systems;

**CO4:** To provide hands on experience in creation of digital libraries;

**CO5:** To know the concept of institutional repositories and their usages in library and institutional settings.

**CO5:** Will be trained in Information Communication Technologies knowledge and Library automation Skills.

**CO6:** The use of communication and networking technologies.

**CO7:** the current trends in library networks operational in India.

## Topics :

<b>Total No Of Credits = 04</b>	
<b>UNIT 1</b>	<p><b>Information &amp; Communication Technology: Basics &amp; Library Automation and Library Software ( 14L)</b></p> <p>1.1 Information &amp; Communication Technology : Basics of Communication Technology, 1.2 Components, Transmission Media ,Transmission Mode , Bandwidth</p>
<b>UNIT 2</b>	<p><b>Networks &amp; Internet ( 16L)</b></p> <p>2.1 Networks : Definition, media ,Switching techniques , networks architecture, OSI model 2.2 Internet : Brief History, Components ,Connectivity , Internet Protocols, browsers &amp; Search Engines : Concept, Types, examples, network based information services, Internet Security ,Intranet, Extranet</p>
<b>UNIT 3</b>	<p><b>Digital Library &amp; Electronic Documents ( 17L)</b></p> <p>3.1 Digital Library: genesis, definition, characteristics, objectives ,digitization devices, Software. 3.1.1 Data Warehousing &amp; data mining : concept, application in libraries 3.1.2 Metadata - Brief history, Standards : Dublin Core 3.1.3 Virtual Library : Concept, Hybrid library, Electronic library 3.1.4 DOAJ :Concept Institutional repository - concept 3.1.5 Content Management : concept 3.2 Electronic Documents ,Multimedia - concept 3.3 Databases : Definition, Types 3.4 Databanks : Concept , Evaluation criteria, e.g.</p>
<b>UNIT 4</b>	<p><b>Current Trends in ICT ( 13L)</b></p> <p>4.1 Blogs, Wi-Fi, RFID, Subject Gateways, Portals, RSS Feeds, Twitter, Face book, Web 2.0, Web 3.0, Biometric Technology for Library Security, Open Source Software, Folksonomy, Forums , Mobile based library services</p>

**Class** : M.Lib.I.Sc.  
**Course** : Information Technology: Theory

**Subject** : Library and Information Science  
**Course Code** : LIS- 503 - MJM

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

<b>Programme Outcomes (POs)</b>								
<b>Course Outcomes</b>	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 .



## References:

1. Bandhyopadhyay, S Information Technology for Growth and Prosperity. New Delhi :1994.
2. Barbara Allan E-Learning and Teaching in Library and Information Services. London : Facet Publishing, 2002.
3. Black U. Emerging Communication Technologies. New Delhi : PHI.1994
4. Briank Williams, : Sawyer Stacet and Lutchinson, Sarah E. Using Information Technology: A practical introduction to computers and Communication New Delhi : TMH. (latest edition)
5. Brophy Peter The Library in the 21st Century : New Services for Information Age.London : LA, 2001.
6. Chadha R. K. and Gupta S. R. Eds. Information Technology. New Delhi : Sarita, 1995.
7. Chowdhury G. G and Chowdhury Sudatta: Searching CD-ROM and Online Information Sources London : Facet Pub Curtin. lishing, 2001.
8. Cooke Alison, A Guide to finding Ouality Information on the Internet 2nd Ed. London : Face 2001.
9. Dennis P. & others. Information Technology : The Breaking Wave. New Delhi :TMH. Latest Edition.
- 10.Dearnley James and Feather John: The Wired World: An introduction to the theory and practice of the information Society. London : Facet Publishing 2001.
11. Digital Library Technology Trends. Santa Clara : Sun Micro Systems, 2002.
12. Kaul, H. K. Information Networks : An Indian experience. New Delhi : Virgo 1992.
13. Malwad, NM and others, Digital Libraries : dynamic store house of digitized information New Delhi New Age, 1996.
14. Leon Alexis & Leon. Mathews Fundamentals of Information Technology Chennai : Leon Tech World, Latest Edition.
15. Leona Carpenter, Simon Shaw & Andrew Prescott:Towards the Digital Library London : LA,1998.
16. Marlyn Deegan & Simon Tanner. Digital Futures Strategies for the Information Age.London Facet,2001.
17. Rowley, J. E. : The Electronic Library 4th Edn. of Computers for Libraries. London : Facet Publishing 1998.
18. Smart D. Lee. Digital Imaging: a practical handbook London : Facet Publishing, 2000.
19. Vishwanathan I Communication Technology New Delhi TMH,1995.

**Name of the Programme** : M.Lib.I.Sc. Library and Information Science

**Programme Code** : PALIS

**Class** : M.Lib.I.Sc.

**Semester** : I

**Course Type** : Major Mandatory (Theory)

**Course Code** : LIS-504-MJM

**Course Title** : Information Retrieval

**No. of Credits** : 02

**No. of Lectures** : 30

### Course Objectives (COs):

1. To understand use of indexing techniques, vocabulary control & search strategies for Information Storage & Retrieval.
2. To familiarize students with Information retrieval models and develop skills in designing thesaurus.
3. To introduce Consolidation & Repackaging of Information into Information Products.
4. Introduce the concepts of information retrieval (IR), familiarize the students with the different types of vocabulary control tools and the importance of vocabulary control tools in retrieving information.
5. Acquaint the students with the various information retrieval models, & the trends in retrieval.
6. The students will gain knowledge on various IR models and how IR is useful in the development of search engines.
7. The students will understand how the vocabulary control tools enhance the IR process, learn to construct the thesaurus and get familiar with the controlled vocabularies /ontology used in various online databases.

### Course Outcomes (POs):

**By the end of the course, students will be able to:**

- CO1:** Students will be able to construct a keyword search statement in order to find relevant information
- CO2:** Understand the concept of ISR including indexing languages, vocabulary control, search strategies etc.
- CO3:** To make them understand the concept, types, design and development of information products.
- CO4:** To have overall knowledge about usefulness of information;
- CO5:** To explore why information analysis is needed;
- CO6:** To examine and practice of information consolidation
- CO7:** To know the need of repackaging.

## Topics

<b>Total No Of Credits = 02</b>	
<b>UNIT 1</b>	<p><b>Information Storage and Retrieval (10L)</b></p> <p>1.1 definition, purpose, components and types of information retrieval system</p> <p>1.2 Indexing languages and vocabulary control: definition, purpose &amp; tools Thesaurus Structure , thesaurus relationships &amp; construction</p>
<b>UNIT 2</b>	<p><b>Retrieval of Information (10L)</b></p> <p>2.1 Models for information retrieval: Input- Output Models and Theoretical Models.</p> <p>2.2 Information search and search strategy : type of search- keyword search, Phrase search, keyword and subject search, truncation search, range search , Boolean logic and Venn Diagram.</p>
<b>UNIT 3</b>	<p><b>Information Repackaging and Products. (10L)</b></p> <p>3.1 Information analysis, repackaging and consolidation: Concept, definition, packaging and repackaging. Information consolidation activities, need, steps in information Consolidation.</p> <p>3.2 Information Products: concept, types, design and development of information products.</p> <p>3.3 Marketing of information products and services: concept, need, market research, price, marketing mix: Seven P's, Kotler's Four C's , factors influencing the market.</p>

**Class** : M.Lib.I.Sc.

**Subject** : Library and Information Science

**Course** : Information Retrieval

**Course Code** : LIS-504-MJM

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

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

## 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, CO4 require students to TQM, Management of Libraries and Information Centers and develop skills in Marketing of Library.CO4 and CO5 require students to understand the various sections in library. CO6 community building in library marketing.

### PO2 Effective Citizenship and Ethics:

The entire COs also contributes to Effective Citizenship and Ethics. For example, CO1, CO2, and CO3 The students will be understand TQM, Management, change management ethics

### PO5 Personal and professional competence:

CO4, CO5, CO7 contribute to the development of students' Personal and professional competence. For example, CO5 requires students to understand the various section in Library.

### PO6 Self-directed and Life-long learning:

CO8, also contributes Self-directed and Life-long learning For example, main approaches to the study of the management of an organization.

## References

1. Atchison J. Gilechrist A: Thesaurus Construction: a practical manual, 1972.
2. Berson Alex, Smith Stephen & Kurt Thearling: Building Data Mining Applications for CRM New Delhi: TMH, 2000
3. Burke. Mary A: Organization of Multi Media Resources: principles and practices of information retrieval .Alder Shot : Gower ,1999.
4. Chernyi A. I. Introduction to Information Retrieval theory, 1973.
5. Choudhary G G: Infor Burke.Mary A: Organization of Multi Media Resources: principles and practices of information retrieval .Alder Shot: Gower 1999.
6. Chowdhury G. G. Introduction to Modern Information Retrieval 2nd edn. London: Facet Publishing 2003.
7. Foskett A.C. The Subject Approach to Information 4th ed. London Bingley, 1982
8. Gorman. G. E. , (Ed.) Metadata Applications for Management London : Facet Publishing 2003.
9. Lancaster.F. Wiltrid: Information Retrieval Systems: *Characteristics testing and evaluation* 2nd Ed. New York: Wiley, 1970.
10. Lancaster F. W.: Information Retrieval Systems: characteristics, testing and evaluation 1968.
11. Lancaster F. W. Indexing and Abstracting in Theory and Practice London: Facet Publishing,2003.
12. Jean Atchison Et. al. & Alan Gilchrist. Thesaurus Construction : a practical Manual London :2000
13. Precis Austin D.: A Manual of Concept Analysis and Subject Indexing 2nd ed. 1984.
14. Rowley Jennifer E.: Organising Knowledge: an introduction to information retrieval Aldorshot Gower 1987.
15. Shera JH and Egan, Me Bibliographic Organization, Chicago Unesco CCF, Paris: Unesco1988.
16. Simmons P. & A. Hopkins: CCF : the common communication format parts : Unesco ,1984.
17. Van Rijsbergen C. J.:INformation Retrieval 2nd ed. London : Butterworths 1970.

**Name of the Programme** : M.Lib.I.Sc. Library and Information Science

**Programme Code** : PALIS

**Class** : M.Lib.I.Sc.

**Semester** : I

**Course Type** : Major Mandatory (Theory)

**Course Code** : LIS-511-MJE: (A)

**Course Title** : Academic Library System

**No. of Credits** : 04

**No. of Lectures** : 60

### **Course Objectives (COs):**

1. Provide knowledge on academic library systems.
2. To educate students on management of academic libraries
3. To educate students on sources and services in academic libraries
4. To introduce to the students the concept of Information & its Communication in Knowledge Society.
5. To familiarize the students with professionalism & LIS Education
6. To introduce students with the concept of Economics of Information and Information Industry & Knowledge Management.
7. To offer an understanding of the working of academic libraries and the various aspects related to managing the academic libraries.

### **Course Outcomes (POs):**

**By the end of the course, students will be able to:**

**CO1:** The present set up of academic library system in India;

**CO2:** About growth and role of academic libraries;

**CO3:** The issues related with collection development;

**CO4:** The meaning, concept and technique of resource sharing.

**CO5:** Understand basic knowledge of academic libraries and their changing roles, key recommendations of various committees and commissions and their role in accreditation

**CO6:** Know the administrative and routine functions of the academic libraries

**CO7:** Learn about the resources sharing and consortia practices available in academic libraries

**Topics :**

<b>Total No of Credits = 04</b>	
<b>UNIT 1</b>	<b>Academic Libraries (15L)</b> 1.1 Academic libraries : meaning, definition, need and purpose 1.2 Types and functions of academic libraries 1.3 Growth and development of academic libraries 1.4 Role of academic libraries in formal and informal system of education
<b>UNIT 2</b>	<b>Organization and Management (15L)</b> 2.1 Library authority: concept and Role 2.2 Staffing norms and patterns 2.3 Sources of finance, types of budget, methods of financial estimation
<b>UNIT 3</b>	<b>Academic Library Services (15L)</b> 3.1 Academic Library services: Virtual Reference Services, Documentation and Information Services, Abstracting and Indexing Services. 3.2 Information Products Development services, ILL, Document Delivery Services, Literature Survey and Bibliography.
<b>UNIT 4</b>	<b>Academic Library Networks and Resource Sharing (15L)</b> 4.1 Academic Library Networks. Library Co-operations: 4.2 Resource sharing: concept, need and purpose 4.3 International and National Scenario. Academic Networks: INFLIBNET and DELNET: its Services and Activities. 4.4 OCLC: Its Activities and Functions.

**Class** : M.Lib.I.Sc.

**Subject** : Library and Information Science

**Course** : Academic Library System

**Course Code** : LIS-511-MJE (A)

**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	2							
CO 2		3						
CO 3		2						
CO 4					2			
CO 5		3			2			
CO 6								
CO 7	3				2			
CO8						3		

### 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. The present set up of academic library system in India; and CO7 Learn about the resources sharing and consortia practices available in academic libraries

#### PO2 Effective Citizenship and Ethics:

The entire COs also contributes to Effective Citizenship and Ethics. For example, CO2, CO3, CO5 Understand basic knowledge of academic libraries and their changing roles, key recommendations of various committees and commissions and their role in accreditation

#### PO5 Personal and professional competence:

CO4, CO5, CO7 contribute to the development of students' Personal and professional competence. For example, CO5 requires students to understand the various section in Library.

#### PO6 Self-directed and Life-long learning:

CO8 also contributes Self-directed and Life-long learning For example, main approaches to the study of the management of an organization.

### References

1. American Association of School Librarians. (1969). Standards for school library programmes. Chicago: ALA.
2. American Library Association. (1978). Personnel organization and procedure: A manual suggested for use in college and university libraries. 2nd ed. Chicago: ALA.
3. Baker, David, ed. (2006). Resource management in academic libraries. London: Library Associations.
4. Brophy, Peter. (2008). The academic library. London: Library Association.
5. Chapman, Liz. (2001). Managing acquisitions in library and information services. London: Library Association.
6. Gelfand, M. A. (2001). University libraries for developing countries. Paris: UNESCO.
7. Jordan, Peter. (1998). The academic library and its users. London: Gower.
8. Line, Maurice B., ed. (1990). Academic library management. London: Library Association

**Name of the Programme** : M.Lib.I.Sc. Library and Information Science

**Programme Code** : PALIS

**Class** : M.Lib.I.Sc.

**Semester** : I

**Course Type** : Major Mandatory (Theory)

**Course Code** : LIS-511-MJE: (B)

**Course Title** : Information Literacy

**No. of Credits** : 04

**No. of Lectures** : 60

### **Course Objectives (COs):**

1. To create awareness and provide knowledge of information literacy.
2. To develop information literacy skills
3. To acquaint the students with the Information Literacy skills
4. To introduce the students about Models, Standards and Programs of Information Literacy
5. To orient student about library resources and services.
6. To aware and use the digital initiatives taken by Indian Government to accomplish Digital India.
7. To be skilled as Information Literate for the academic venture.

### **Course Outcomes (POs):**

**By the end of the course, students will be able to:**

**CO1:** Explain the concept, need, objectives and types of information literacy

**CO2:** Understand information literacy standards and models

**CO3:** Develop innovative information literacy models

**CO4:** Impart information literacy skills and competencies

**CO5:** To aware about the Information Literacy Standards.

**CO6:** After completion of this course, students acquaint with basic knowledge of Library Literacy, Information Literacy and Digital Literacy.

**CO7:** It helps them to make a skilled Information Literate User for their lifelong academic venture.





## 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, CO4. Impart information literacy skills and competencies and after completion of this course, students acquaint with basic knowledge of Library Literacy, Information Literacy and Digital Literacy

### **PO2 Effective Citizenship and Ethics:**

The entire COs also contributes to Effective Citizenship and Ethics. For example, CO1, CO2, Understand information literacy standards and models

### **PO5 Personal and professional competence:**

CO4, CO5, CO7 contribute Impart information literacy skills and competencies and to aware about the Information Literacy Standards.

### **PO6 Self-directed and Life-long learning:**

CO1 also contributes Explain the concept, need, objectives and types of information literacy

## References :

1. Bandy, S. J. (2005). Teaching and testing information literacy skills. Linworth.
2. Breivik, P. S.& Gee, E. G. (1989). Information Literacy: Revolution in the Library. Detroit-Michigan: American 33 Council on Education.
3. Bruce, C. (1997). The seven faces of information literacy. Adelaide: Auslib Press
4. Bruce, C. (2003). Seven faces of information literacy: Towards inviting students into new experiences. QUT, Retrieved from <http://kennison.name/files/zopestore/uploads/libraries/bruce-7-faces.pdf>
5. Cordell, R.M.(2013). Library Reference Services and Information Literacy: Models for Academic Institutions. Information Science Reference.
6. Cox, C. N. (2008). Information literacy instruction handbook, Chicago: Association of College and Research Libraries
7. Eisenberg, Michael B; Lowe, Carrie A & Spitzer Kathleen L (2004): Information Literacy: essential Skills for the Information age, 2nd ed., Libraries Unlimited, London
8. Godwin, P. & Parker, Jo. (2008). Information Literacy meets Library 2.0, London: Facet publishing.
9. Grassin, E.S. & Kaplowitz, J.R. ( 2001). Information Literacy Instruction: Theory and Practice, New York, Neal Schuman.
10. Satyanarayana, N. R. (1988). User Education in Academic Libraries. New Delhi: ESS ESS Publications
11. Secker, J., & others (2007). The Information Literacy Cookbook: Ingredients, recipes and tips for success, Great Britain: Chandos Publishing (Oxford) Limited

**Name of the Programme :** M.Lib.I.Sc. Library and Information Science

**Programme Code :** PALIS

**Class :** M.Lib.I.Sc.

**Semester :** I

**Course Type :** Research Project

**Course Code :** LIS-521-RP

**Course Title :** Research Project Part -I

**No. of Credits :** 04

**No. of Lectures :** 60

### **Course Objectives (COs):**

1. To give an advanced exposure to the students about the research and development.
2. To develop acquaintance with intensive techniques and skills of research process.
3. To familiarize the art and style of writing a research report.
4. To develop research skills in students and enable them to carry out research in Library Information Science.
5. To understand on both qualitative & quantitative techniques for data analysis and consolidation.
6. To familiarize the art and style of writing a research report.
7. The student has to prepare a synopsis on chosen topic and present before the departmental committee.

### **Course Outcomes (POs) :**

1. To give an advanced exposure to the students about the research and development.
2. To develop acquaintance with intensive techniques and skills of research process.
3. To familiarize the art and style of writing a research report.
4. To develop research skills in students and enable them to carry out research in Library Information Science.
5. To understand on both qualitative & quantitative techniques for data analysis and consolidation.
6. To familiarize the art and style of writing a research report.
7. The student has to prepare a synopsis on chosen topic and present before the departmental committee.

## Topics

**Total No. of Credits = 04**

1. Identification of research problem & finalizing dissertation title
2. Preparing research proposal
3. Literature review
4. Finalizing Research Tool

**Class** : M.Lib.I.Sc.

**Subject** : Library and Information Science

**Course** : Research Project Part-I

**Course Code** : LIS-521-RP

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

<b>Programme Outcomes (POs)</b>								
<b>Course Outcomes</b>	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8
CO 1				2		3		
CO 2	3				2			
CO 3				3				
CO 4		2						
CO 5	3							
CO 6		3						
CO 7							3	
CO8					2			

## References:

1. Goods W. J. & Hatt P.K. : Methods in Social research New York, McGraw Hill Co., 1952.
2. Gupta C.B. & Ratan: Statistical calculations Delhi Vikas pub House, 1973.
3. Gupta C.B. Introduction to Statistical methods Delhi chand 1974.
4. Kothari, C. R. Research Methodology: Methods & Techniques, New Age International: New Delhi, 2004
5. Kumbhar, R. M.: Library and Information Science Research : Methods and 35 Techniques, Universal Prakashan: Pune, 2014
6. Ravichandrao I.K. : Quantitative Methods for library and information science Calcutta Wiley Eastern, 1985
7. Sadhu A.N. & Amargitsingh: Research methodology in social sciences Bombay Homalayan 1980
8. Sardana J. L. & Sehgal R. L. : Statistical methods for Libraries, New Delhi ESS publication 1981
9. Savanur, S.K.(2008). sciences.Pune:Universal. Research methodology for information
10. Sehgal R.L.: Applied statistics for Library science research vol.1&2 New Delhi, ESS publication, 1998.