



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

One Year Degree Program in Library Science
(Faculty of Library and Information Science)

CBCS Syllabus

M.Lib.I.Sc. Semester –I
For Department of Library and Information Science
Tuljaram Chaturchand College, Baramati

Choice Based Credit System Syllabus (2023 Pattern)
(As Per NEP 2020)

To be implemented from Academic Year 2023-2024

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 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:

- PSO1:** Demonstrate in-depth knowledge of the basic concept, Principles, theories and laws related with the broad field of library and information science and its sub fields such as types of libraries types of information sources ,library management, and research methods and information Services
- PSO2:** Using information and communication technologies in libraries and information Science centers.
- PSO3:** Apply skills in carrying out professional's activities such as- Information seeking behavior processing of documents online searching, virtual e recourses, e collection e services.
- PSO4:** Demonstrate knowledge of the information profession by relating foundational principles, philosophy, and ethics to contemporary issues, by identifying key, on-going interdisciplinary developments in the field, and by analyzing current practices for future implications of the profession.
- PSO5:** Create, select, acquire, manage, and maintain the information environment by analysing how users seek out information.
- PSO6:** Demonstrate and be able to explain the principles of organizing recorded information by exploring both past and present theories of organizing and representing recorded information and by understanding and applying the standards of organizing recorded information in libraries and information centres.
- PSO7:** Identify, explain, use and critically evaluate both current and emerging information technologies in libraries and information centres.
- PSO8:** Provide information services to a diverse community by analysing, synthesizing, and disseminating traditional and emerging information resources, by developing communication and interpersonal skills for determining the information needs of all users, by creatively utilizing techniques and tools to address information needs, and by advocating for underserved audiences.
- PSO9:** Demonstrate an understanding of research by identifying the fundamental characteristics of quantitative and qualitative research and by analysing the value of research literature in the library and information field.
- PSO10:** Develop a commitment to continuous learning by participating in local, regional, and national professional development opportunities.
- PSO11:** Use Indian knowledge and principles to analyze and evaluate ideas and theories in modern disciplines.

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 2023-2024)

Sr. No.	Name of Member	Designation
1.	Mr. D.V. Munguskar	Chairman
2.	Mr. A.S. Atole	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. Jadhav Yogesh Jalindar	Students Representative

Credit Distribution Structure for One Year P.G. (M.Lib.I.Sc.)

Year (1Year PG)	Level	Sem.	Major		Research Methodology (RM)
			Mandatory	Electives	
I	6.0	Sem-I	LIS -501-MJM: Information Communication (Credit 04) Society	LIS -505- MJE: Academic Library System (Credit 04)	LIS -506-RM Introduction Research Methodology (Credit 04)
			LIS -502-MJM: Management of Libraries & (Credit 04) Information Centers – A		
			LIS -503- MJM :Information Technology Application: (Credit 04) (Practical)		
			LIS -504- MJM :Information Retrieval (Credit 02)		
		Sem- II	LIS -551- MJM : Management of Libraries & (Credit 04) Information Centres -B	LIS -555- MJE User Studies and User Education (Credit 04)	--
			LIS -552- MJM : Statistical Techniques of Research (Credit 04) Bibliometrics		
			LIS -553- MJM: Information Technology : Theory (Credit 04)		
			LIS -554- MJM : Bibliographic Control (Credit 02) & Information Systems		
Cum. Cr. For PG Diploma			28	08	04

Abbreviations: (1) OJT: On Job Training: Internship/Apprenticeship; (2) FP: Field Projects; (3) RM: Research Methodology (4) RP: Research Projects (5) Cum.: Cumulative Credits

Course Code: LIS-501-MJM : P-PG, LIS: Library and Information Science, MT: Mandatory Theory, MP: Mandatory Practical, 1: First Year, 1: First Semester, 1: First Paper,

Note: In the subject code - - indicates short code of the subject (e.g.: LIS-501-MJM)

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Course Structure for M.Lib.I.Sc. (2023 Pattern)

Sem	Course Type	Course Code	Course Title	Theory / Practical's	No. of Credits
I	Major (Mandatory)	LIS-501-MJM	Information Communication Society	Theory	4
	Major (Mandatory)	LIS-502-MJM	Management of Libraries & Information Centers – A	Theory	4
	Major (Mandatory)	LIS-503-MJM	Information Technology Applications : Practical	Practical	4
	Major (Mandatory)	LIS-504-MJM	Information Retrieval	Theory	2
	Major (Elective)	LIS-505-MJE	Academic Library System	Theory	4
	Major (Mandatory)	LIS-506-RM	Introduction to Research Methodology	Theory	4
II	Major (Mandatory)	LIS-551-MJM	Management of Libraries & Information Centres -B	Theory	4
	Major (Mandatory)	LIS-552-MJM	Statistical Techniques of Research Bibliometrics	Theory	4
	Minor (Mandatory)	LIS-553-MJM	Information Technology: (Theory)	Theory	4
	Major (Mandatory)	LIS-554-MJM	Bibliographic Control & Information Systems	Theory	2
	Major (Elective)	LIS-555-MJE	User Studies and User Education	Theory	4
	Major (Mandatory)	LIS-556-FP	Project	Project	4

ONLINE COURSES (SWAYAM / MOOCS)

Sr. No.	Title of the SWAYAM	National Coordinator	Course Coordinator
1.	Koha Library Management System	SWAYAM	Prof. Kannan Moudgalya
2.	Library Automation & Digitization		
3.	Database and Content Organization		

CBCS Syllabus as per NEP 2020 for M.Lib.I.Sc. (2023 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 :

	Total No of Credits = 04
UNIT 1	Information , Communication & Knowledge Society (15L) 1.1 Information: Characteristics & Properties of Information, Use of Information in R & D, Business and Industry, Planning & Policy making, Management and Decision Making 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.
UNIT2	Library and Information Science Education & Professionalism (15L) 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)
UNIT 3	Information and Knowledge Management (15L) 3.1 Information Management : concept & methods 3.2 Knowledge Management : definition, objectives, methods & tools
UNIT 4	Economics of Information (15L) 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

References :

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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-502-MJM
Course Title : Management of Libraries & Information Centers-A
No. of Credits : 04
No. of Lectures : 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 :

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

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.
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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 (Practical)

Course Code : LIS-503-MJM

Course Title : Information Technology Application: Practical

No. of Credits : 04

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. Providing hands on experience in use of application software, Integrated Library Software
3. To provide basics of information communication technologies and their application in libraries and information centers and their use in everyday operations of libraries.
4. To introduce the concept & use of ICT and its application in Libraries and Information Centers.
5. Development of skills in planning and implementation of library automation
6. Study of digital library, use of e-documents & current trends in the use of ICT
7. To prepare the students to streamline the library processes using computer technology, and meet the information needs of the users by providing efficient services.

Course Outcomes (POs):

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

CO1: Will be trained in Information Communication Technologies knowledge and Library automation Skills.

CO2: Students will be able to choose appropriate database in order to search for scholarly articles On Their topics

CO3: The use of communication and networking technologies.

CO4: The understanding about implementation of library automation software and in achieving library security with the use of latest ICTs technique;

CO5: The use of communication and networking technologies;

CO6: The knowledge about database management, data ware housing, data mining and other artificial intelligence technologies.

CO7: Have an understanding of the concept of data structure, algorithm and database

Topics :

Total No Of Credits = 04	
UNIT 1	Using Library Software E - Granthalaya / KOHA or any locally available library software. Creation & maintenance of bibliographic database of minimum 50 documents using E-granthalaya 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

References

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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

Total No Of Credits = 02	
UNIT 1	Information Storage and Retrieval (10L) 1.1 definition, purpose, components and types of information retrieval system 1.2 Indexing languages and vocabulary control: definition, purpose & tools Thesaurus Structure , thesaurus relationships & construction
UNIT 2	Retrieval of Information (10L) 2.1 Models for information retrieval: Input- Output Models and Theoretical Models. 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.
UNIT 3	Information Repackaging and Products. (10L) 3.1 Information analysis, repackaging and consolidation: Concept, definition, packaging and repackaging. Information consolidation activities, need, steps in information consolidation . 3.2 Information Products: concept , types, design and development of information products. 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.

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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-505-MJE

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 :

Total No Of Credits = 04	
UNIT 1	Academic Libraries (15L) 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 1.5 UGC and its role in the development of academic libraries
UNIT 2	Organization and Management (15L) 2.1 Library authority: concept and Role 2.2 Staffing norms and patterns 2.3 HRM in academic libraries 2.4 Sources of finance, types of budget, methods of financial estimation 2.5 Planning and design of academic library buildings 2.6 Library equipments, furniture, lighting and fitting
UNIT 3	Collection Development (15L) 3.1 Collection development: concept, meaning, importance and problems 3.2 Collection development policy: print and non-print 3.3 Selection principles and tools 3.4 Library committee and their role in collection development 3.5 Weeding policy, stock verification
UNIT 4	Resource Sharing and Information Services (15L) 4.1 Resource sharing: concept, need and purpose 4.2 Resource sharing networks in India 4.3 Role of INFLIBNET in development of academic libraries 4.4 Planning and development of information services

References

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2. American Library Association. (1978). Personnel organization and procedure: A manual suggested for use in college and university libraries. 2nd ed. Chicago: ALA.
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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-506-MJRM

Course Title : Introduction to Research Methodology

No. of Credits : 04

No. of Lectures : 60

Course Objectives (COs):

1. To introduce application of Research Methodology in LIS and inculcate research skills among the Students.
2. To familiarize the students with various research methods
3. To give exposure to current trends of Research in LIS.
4. To make aware about the research and research methods, and other aspects of conducting successful research
5. Know the concept of the Research, understand use of appropriate method as per the requirement of the research work
6. Develop research proposal, identify and use the appropriate literature for the review
7. Understand the various methods of data collection and able to decide the appropriate method of data collection

Course Outcomes (POs):

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

CO1: Students will be able to learning the library and information science research

CO2: How to prepare research project synopsis

CO3: To learn skills in Google scholars.

CO4: The different methods and techniques of research;

CO5: The use of data collection tools, organization and representation of data;

CO 6: Different data analysis techniques;

CO7: About how to prepare research report.

Topics

Total No. of Credits = 04	
UNIT 1	Research (15L) 1.1 Research: Meaning, definition, Need and Process of Research 1.2 Types of Research: Pure, Applied and Action Research 1.3 Spiral of Scientific Method 1.4 Ethical aspect of Research, Literature Search.
UNIT 2	Research Design (15L) 2.1 Research Design: Definition, Steps in Research Design 2.2 Synopsis: Concept and essential Components 2.3 Identification and formulation of Problem 2.4 Hypothesis: Meaning, Definitions, Types 2.5 Report Writing
UNIT 3	Research Methods (16L) 3.1 Research Methods : Historical Method, Descriptive Method, Experimental Method, Case Study Method, Future Research Method. 3.2 Content analysis: Concept, Definition, Need. Introduction to Metrics Studies : Webometrics, Librametrics, Scientometrics Informatics, Altmetric.
UNIT 4	Research Databases (14L) 4.1 Web of Science, Scopus, emerald, Springer. 4.2 Google Scholars 4.3 Science Citation Index

References

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2. Gopal (M.H.) An Introduction to Research Procedure in Social Science New Delhi, Vikas Pub. House 1992.
3. Goode (William J) and Hatt Paul K: Methods in Social Research New York : McGraw-Hill Book Co., 1952
4. Krishnaswami O.R.: Methodology of Research in Social Sciences. Bombay: Himalaya, 1993
5. Line Maurice B: Library Surveys: an introduction to the use, planning procedure and presentation of surveys 2nd Ed London Bingley, 1982.
6. Powell, Ronand R Basic Research Methods for Librarians Norwood : Ablex, 1985
7. Rao, Ravichander I. K. Quantitative Methods for Library and Information Science. New Delhi : Wiley Eastern, 1983.
8. Simpson J. L. Basic Research methods in Social Sciences: *The art of empirical investigation* , 1969
9. Stevens Rolland E. Research Methods in Librarianship London, Bingley , 1971.