

Curriculum Framework

Master of Library and Information Science

As per NEP 2020 and Learning Outcomes-based National Curriculum Framework
(Aligned with NCrF and NHEQF)

Effective From Academic Year 2025-2026



Founded by Mahatma Gandhi in 1920

Gujarat Vidyapith
Ahmedabad

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Master of Library & Information Science

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GUJARAT VIDYAPITH: AHMEDABAD

Published by:

Dr. Himanshu Patel

Registrar

Gujarat Vidyapith

Near Income Tax Office, Ashram Road, Ahmedabad - 380009.

From the Desk of Vice Chancellor...



Dear All,

Any curriculum, at any level, must be firmly grounded in the objectives and goals that an educator or an educational institution aspires to achieve for its students. A course that trains students to solve mathematical equations must be very different from one that teaches them how to play a musical instrument, practice yoga, or conduct social research. Each subject requires its own methods, activities, and learning goals, which is why curriculum design is so important.

Therefore, curriculum is of utmost importance, as it determines how teachers and students will spend their time—in laboratories, in clinical practice, in creative endeavors, or in interactive lectures. It also reflects what a class, a department, a school, or an institution value; what it defines as its mission; and what it expects its graduates to accomplish. In this sense, the curriculum is the map that guides the essentials of learning from the classroom level to the institutional level.

The true success of any curriculum must be judged by its ability to achieve its intended objectives. It is a test of how well an institution—or an individual teacher—understands and articulates those objectives, and how effectively a pathway is created for students to attain success as defined by them. Curriculum is, in fact, a continuous chain of activities designed to translate broad educational goals into concrete practices, learning materials, and observable changes in behavior. A lesson plan, for instance, is curriculum at the classroom level, answering the critical questions: *What do I want my students to know? How can I engage them meaningfully? How will I measure what they have learned?*

For a society to achieve its educational aspirations, the curriculum must be both functional and relevant to its needs. Through careful management of curriculum, effective use of resources, and policies that bring systemic improvements, education can move society toward a more promising future. Indeed, curriculum is the very foundation of any academic institution—without it, the institution would lose its purpose and direction.

At Gujarat Vidyapith, established by Mahatma Gandhi in 1920 with its rich cultural and educational heritage, we remain committed to these ideals, and we work with well-defined objectives to prepare our students for a brighter academic and social future.

It gives me immense pride and joy to announce the unveiling of the latest curriculum of Gujarat Vidyapith. This curriculum has been carefully designed in alignment with the objectives and guiding principles of the National Education Policy (NEP) 2020. I take this opportunity to place on record my deep appreciation for the efforts of the teaching faculty of Gujarat Vidyapith, the Members of the Board of Studies, and the Members of the Academic Council. Their dedication and vision have given shape to this comprehensive neo-curriculum, which will guide our students and our institution toward continued excellence.

With best wishes,

Dr. Harshad Patel
Vice Chancellor
Gujarat Vidyapith

Curriculum Framework

Master of Library & Information Science

Effective From Academic Year 2025-2026

Department of Library & Information Science
Faculty of Information, Communication & Technology
Gujarat Vidyapith

Board of Studies

Chairperson:

Dr. Prayatkar Kanadiya

Professor & Head, Department of Library & Information Science, Gujarat Vidyapith, Ahmedabad.

Members from the Department:

1) Dr. Pradip Patel

Assistant Librarian, Gujarat Vidyapith Library, Gujarat Vidyapith, Ahmedabad.

2) Dr. Nikhil Gohel

Assistant Librarian, Gujarat Vidyapith Library, Gujarat Vidyapith, Ahmedabad.

3) Dr. Viral Asjola

Assistant Librarian, Gujarat Vidyapith Library, Gujarat Vidyapith, Ahmedabad.

4) Dr. Atul Akbari

E-Scientist, Gujarat Vidyapith Library, Gujarat Vidyapith, Ahmedabad.

Curriculum Framework - Master of Library & Information Science - 2025

PROGRAMME STRUCTURE							
Course Code	Course Name	Hours			Credit	Evaluations	
		Theory	Practical	Total		CCE	TEE
SEMESTER-1							
256010449001	Foundations of Library and Information Science	60	0	60	4	40	60
256010449002	Library Management	60	0	60	4	40	60
256010449003	Knowledge Organization and Processing-1	60	0	60	4	40	60
256010449004	Information Skill	60	0	60	4	40	60
256010449005	Library Classification and Cataloguing Practical-1	0	120	120	4	40	60
Total		240	120	360	20	200	300
SEMESTER-2							
256010449006	Information Sources	60	0	60	4	40	60
256010449007	Information Services	60	0	60	4	40	60
256010449008	Computer Application	60	0	60	4	40	60
256010449009	Knowledge organization and Processing-2	60	0	60	4	40	60
256010449010	Library Classification and Cataloging Practical-2	0	120	120	4	40	60
Total		240	120	360	20	200	300
SEMESTER-3							
256010449011	Information & Communication	60	0	60	4	40	60
256010449012	Automation & Networking	60	0	60	4	40	60
256010449013	Research Methodology	60	0	60	4	40	60
256010449014	Management of Library and Information Centers	60	0	60	4	40	60
256010449015	Library Internship	0	720	720	4	0	0
Total		240	720	960	20	160	240
SEMESTER-4							
256010449016	Information Processing and Retrieval	60	0	60	4	40	60
256010449017	Information Technology Application (Practical)	0	120	60	4	40	60
256010449018	Information Systems and Products	60	0	60	4	40	60
256010449019	Library Dissertation	60	0	60	4	40	60
256010449020	Library Internship	0	720	120	4	0	0
Total		240	840	360	20	160	240
GRAND TOTAL		960	1800	2760	80	720	1080

*CCE- Continuous Comprehensive Evaluation; **TEE- Term End Evaluation

Programme Outcomes (POs)

After successful completion of this program, students will be able to:

PO-1	Discipline Specific Knowledge	Provides a strong foundation in technical concepts of library and information science for effective management and dissemination of information resources.
PO-2	Problem Analysis	Develops analytical and critical thinking skills to identify and solve issues related to information organization, access, and services.
PO-3	Experimental Skills	Enhances practical and technical skills through hands-on training in library classification, cataloguing, automation, and digital information services.
PO-4	Environment and Sustainability	Promotes awareness of sustainable information practices and the role of libraries in environmental and social development.
PO-5	Ethics and Values	Develops effective oral, written, and digital communication skills for delivering user-oriented library and information services.
PO-6	Communication	Equips students with oral and written communication skills, allowing them to present their views and arguments proficiently.
PO-7	Modern Tool Usage	Promotes the use of ICT, digital libraries, automation software, and modern information retrieval tools in library operations.
PO-8	Teamwork and Leadership	Prepares students for teamwork, coordination, and leadership in managing library and information centers.
PO-9	Lifelong Learning	Encourages continuous learning, research orientation, and adaptability to emerging trends in library and information science.
PO-10	Project Management	Develops organizational and managerial abilities through internships, fieldwork, and project-based learning.
PO-11	Innovation and Entrepreneurship	Encourages innovative thinking and entrepreneurial skills for developing modern information services and knowledge-based enterprises.
PO-12	Societal Contribution	Applies library and information science knowledge for community development, information accessibility, and social welfare.

Programme Specific Outcomes (PSOs)

After successful completion of this program, students will be able to:

PSO-1	Study the foundations, history, and different types of libraries and information science.	Understand the basic principles of library and information science, types of libraries, their functions, and their role in society.
PSO-2	Study knowledge organization, classification, cataloguing, and information retrieval techniques.	Apply standard systems and techniques of classification, cataloguing, indexing, and information retrieval.
PSO-3	Study information technology, library automation, digital libraries, and networking.	Use modern ICT tools, library software, and digital information services effectively in library management.
PSO-4	Study library management, information services, research, and user services.	Develop professional competencies in research, information services, user education, and library management practices.

CO Attainment Levels (OBE & NEP 2020 Aligned)

COs Attainment Levels	Level	Description	Attainment Criteria			
	Level 3	High	$\geq 80\%$ of students score above a set performance benchmark			
	Level 2	Moderate	60%–79% of students meet the performance benchmark			
	Level 1	Low	40%–59% of students meet the performance benchmark			
	Level 0	Not Attained	< 40% of students achieve the desired learning outcome			
Target Attainment (Benchmark)	COs		CO-1	CO-2	CO-3	CO-4
	Target Level (%)		60	60	60	60

Program –Master of Library & Information Science

Semester- 1

Course Code 256010449001	Name of Course Foundations of Library and Information Science	Compulsory
Credit: 04	Teaching Scheme: Theory (60) - Practical (0)	Teaching Hours: 60

Course Outcomes (COs)

Upon completion of the course, students shall be able to

CO-1: Demonstrate an understanding of the social, historical and educational roles of libraries in society.

CO-2: Apply the ethical principles and foundational laws of library science in traditional and technology-driven environments.

CO- 3: Analyze and differentiate various types of libraries and professional bodies, both national and international, based on their functions and services.

CO-4: Evaluate the importance of resource sharing, information technology, and intellectual property rights in modern library management.

Detailed Syllabus

Unit: 1 Social and Historical Foundations of Libraries

- 1.1 Social and Historical Foundations of Libraries
- 1.2 The Thinking of Library Science and Its Ethics
- 1.3 Library as a Social Institution: Objectives and Functions of Libraries
- 1.4 Role of Library in Formal and Informal Education
- 1.5 Five Principles of Library Science
- 1.6 Relevance of the Five Sutras in the Current Technology Oriented Situation

Unit 2: Types of Libraries and Their Services

- 2.1 National, Public, Academic, and Special Libraries: Characteristics, Purposes, Functions Roles & Responsibilities of Library Services.
- 2.2 Contribution of UNESCO to Public Libraries

Unit 3: Professional Library Bodies

- 3.1 International Professional Bodies: Their Objectives, Functions, and Services (IFLA, ASLIB, ALA)
- 3.2 National and Local Professional Bodies: Their Objectives, Functions, and Service (IASLIC, ILA, IATLIS, Gujarat Granthalaya Seva Sangh)

Unit 4: Resource Sharing and Legal Aspects

- 4.1 Resource Sharing: Concept, Need, Purpose, Areas of Resource Sharing
- 4.2 Resource Sharing Programs: Impact of Information Technology on Resource Sharing
- 4.3 Intellectual Property Right
- 4.4 Ownership of Text (Plagiarism) – in India Publication Control Mechanism

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	2	1	2	2	2	1	1	1	1	2	1.67	2	---	2	2.00
CO-2	2	2	2	3	1	2	2	1	1	1	2	2	1.75	3	2	3	2.67
CO-3	2	2	2	2	2	2	3	1	1	2	2	2	1.92	3	3	---	3.00
CO-4	2	1	3	1	1	2	2	1	2	2	2	3	1.83	1	2	3	2.00
Avg	2.25	1.75	2.25	1.75	1.5	2	2.25	1	1.25	1.5	1.75	2.25		2.25	2.33	2.67	

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Curriculum Framework - Master of Library & Information Science - 2025

Teaching Pedagogy					
CO-1 (Unit: 1)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-2 (Unit: 2)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-3 (Unit: 3)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-4 (Unit: 4)	• Lecture, presentation, Ask & Know Technique, Gamification, Story Telling				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
	CO-1	10	Class Test	Assignment	Presentation
	CO-2	10	5	5	--
	CO-3	10	5	--	5
	CO-4	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			
	CO-4	15			
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Program –Master of Library & Information Science

Semester- 1

Course Code 256010449002	Name of Course Library Management	Compulsory
Credit: 04	Teaching Scheme: Theory (60) - Practical (0)	Teaching Hours: 60

Course Outcomes (COs)

Upon completion of the course, students shall be able to

CO1: Apply principles, methods, and tools of book selection, procurement and web-based acquisitions.

CO2: Manage periodicals, classification, cataloging, access systems and book security.

CO3: Operate circulation and membership systems including traditional and computerized methods.

CO4: Administer library financial planning, infrastructure, reporting and outreach programs.

Detailed Syllabus

Unit 1 Book Selection and Procurement

- 1.1 Book Selection: Principles, Purpose, and Methods
- 1.2 Book Selection Tools: Bibliographies, Reviews, Catalogs
- 1.3 Book Procurement: Policies, Activities, Book Order, Good Office Committee (GOC)
- 1.4 Web-Based Book Purchase: Book Identification, Selection, and Retrieval Samples of URLs
- 1.5 Receiving of Periodicals (including foreign)
- 1.6 Procurement Problems
- 1.7 Administration, Registration Methods, Arrangement, and Display of Periodicals

Unit 2 Classification, Cataloging, and Maintenance

- 2.1 Classification and Cataloging, Authority File
- 2.2 Maintenance: Open Access vs. Closed Access
- 2.3 Book Arrangement and its Methods
- 2.4 Concept, Purpose and Methods of Book Security
- 2.5 Book Acquisition: Purpose and Methods
- 2.6 Circulation
- 2.7 Main Gate Registration, Membership Registration, Book Reservation

Unit 3 Circulation Systems and Financial Management

- 3.1 Circulation System: Day Book Method, Brown Method, Newark Method, Computer-Based Circulation Method
- 3.2 Financial Resources
- 3.3 Budgetary Control and Budgeting Methods (Line, PPBS, ZBB)
- 3.4 Physical Planning of the Library, Furniture, and Equipment

Unit 4 Library Statistics, Reports, and Policies

- 4.1 Library Statistics: Purpose and Types
- 4.2 Library Report: Types, Annual Report
- 4.3 Library Committee: Concept, Importance, Functioning, Types of Committee
- 4.4 Library Policies on Human Relations, Public Relations, Publicity, and Outreach Activities

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	2	1	2	2	2	1	1	1	1	2	1.67	2	---	2	2.00
CO-2	2	2	2	3	1	2	2	1	1	1	2	2	1.75	3	2	3	2.67
CO-3	2	2	2	2	2	2	3	1	1	2	2	2	1.92	3	3	---	3.00
CO-4	2	1	3	1	1	2	2	1	2	2	2	3	1.83	1	2	3	2.00
Avg	2.25	1.75	2.25	1.75	1.5	2	2.25	1	1.25	1.5	1.75	2.25		2.25	2.33	2.67	

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Curriculum Framework - Master of Library & Information Science - 2025

Teaching Pedagogy					
CO-1 (Unit: 1)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-2 (Unit: 2)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-3 (Unit: 3)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-4 (Unit: 4)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

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Web & Other Study Resources:
• https://ndl.iitkgp.ac.in/ – National Digital Library of India
• https://www.inflibnet.ac.in/ – INFLIBNET (Information and Library Network Centre)
• https://lislinks.com/ – LIS Links: Library and Information Science Portal
• https://www.ala.org/educationcareers/ – ALA: Library Management Resources
• https://archive.org/ – Internet Archive (Free Library Science Books and Journals)
• https://www.oclc.org/ – OCLC: Global Library Cooperative
• https://www.slideshare.net/ – SlideShare (Search "Library Management" presentations)
• https://www.nptel.ac.in/ – NPTEL (Free Library Science Lectures and Courses)
• https://www.researchgate.net/ – ResearchGate (Library Management Papers and Articles)
• https://www.youtube.com/ – YouTube (Search for “Library Management lectures” & tutorials)

Program –Master of Library & Information Science
Semester- 1

Course Code 256010449003	Name of Course Knowledge Organization and Processing-1	Compulsory
Credit: 04	Teaching Scheme: Theory (60) - Practical (0)	Teaching Hours: 60

Course Outcomes (COs)

Upon completion of the course, students shall be able to

CO1: Understand library classification concepts, purposes, and structure of knowledge.

CO2: Apply classification methods and evaluate key classification systems like DDC, CC, and UDC.

CO3: Understand the concept, types, and functions of library catalogues in physical and digital formats.

CO4: Apply cataloging standards and principles in organizing and retrieving information.

Detailed Syllabus

Unit 1 Library Classification (Knowledge Organization-1)

1.1 Library Classification: Meaning, Need, and Purpose

1.2 Knowledge Classification and Document Classification

1.3 Knowledge World: Structure and Characteristics

1.4 Arrangement, Structure, and Development of Disciplines

1.5 Types of Classification Methods: Enumerative (Categorical) and Faceted Classification

1.6 Classification Trends

Unit 2 Classification Systems and Principles.

2.1 Brief Study of Dewey Decimal Classification (DDC)

2.2 Brief Study of Colon Classification (CC)

2.3 Brief Study of Universal Decimal Classification System (UDC)

2.4 General Principles of Classification: Descriptive Principles

2.5 Signs: Definition, Types, Quality, and Function

2.6 Relevance of Classification in the Context of Automated Digital Libraries

2.7 Knowledge Process-1

Unit 3 Library Catalogue

3.1 Library Catalogue: Definition, Need, and Functions

3.2 Types of Library Catalogues: Physical External Formats (Conventional and Non-Conventional, Including OPAC)

3.3 Internal Formats of Library Cataloging

3.4 Different Types of Catalogues, Their Sections, and Functions – Cataloging in AACR-2

3.5 Universally Accepted Subscripts, Formulas, and Principles

Unit 4 Cataloging Standards and Practices.

4.1 Standards of Cataloging: AACR-2

4.2 Central Cataloging: Meaning, Purpose, and Types of Central Cataloging

4.3 Limited Listing: Selective and Simple Listing

4.4 Union List: Definition, Functions, and Compilation

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	1	2	1	2	1	1	1	1	1	2	1.5	2	---	2	2.00
CO-2	3	2	1	3	1	2	2	1	1	2	1	2	1.75	3	2	3	2.67
CO-3	2	2	1	2	2	2	2	1	1	2	1	2	1.67	3	3	---	3.00
CO-4	3	2	1	3	1	2	2	1	2	2	1	3	1.92	1	2	3	2.00
Avg	2.75	2	1	2.5	1.25	2	1.75	1	1.25	1.75	1	2.25		2.25	2.33	2.67	

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Curriculum Framework - Master of Library & Information Science - 2025

Teaching Pedagogy					
CO-1 (Unit: 1)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-2 (Unit: 2)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-3 (Unit: 3)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-4 (Unit: 4)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

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Web & Other Study Resources:

- <https://ndl.iitkgp.ac.in/> – National Digital Library of India
- <https://www.inflibnet.ac.in/> – INFLIBNET: Information and Library Network Centre
- <https://lislinks.com/> – LIS Links: LIS Community & Study Resources
- <https://www.loc.gov/aba/> – Library of Congress: Cataloging and Classification
- <https://www.oclc.org/> – OCLC: Online Computer Library Center
- <https://www.ranganathanfoundation.org/> – Ranganathan Foundation
- <https://archive.org/> – Internet Archive (Free Access to LIS Texts)
- <https://www.dublincore.org/> – Dublin Core Metadata Initiative
- <https://www.ifla.org/> – IFLA: Classification and Indexing Section
- <https://www.slideshare.net/> – SlideShare (Search: “Library Classification” / “Cataloguing AACR2”)

Program –Master of Library & Information Science

Semester- 1

Course Code 256010449004	Name of Course Information Skill	Compulsory
Credit: 04	Teaching Scheme: Theory (60) - Practical (0)	Teaching Hours: 60
Course Outcomes (COs)		
Upon completion of the course, students shall be able to CO1: Describe the characteristics and value of information and distinguish it from data and knowledge. CO2: Understand information production, dissemination, and models of information sources. CO3: Evaluate types of data and information sources, including human and institutional sources. CO4: Apply principles of information literacy, retrieval methods, and information organization.		
Detailed Syllabus		
Unit 1 Understanding Information 1.1 Information: Characteristics, Nature, Value, and Use 1.2 Difference Between Data, Information, and Knowledge 1.3 Production, Dissemination, and Use of Information		
Unit 2 Information Sources and Evaluation 2.1 Information Source: Definition and Models 2.2 Information Seeking Behavior 2.3 Methods of Information Evaluation 2.4 Knowledge Process-1		
Unit 3 Types and Evaluation of Information Sources 3.1 Data Sources: Meaning, Definition, and Evaluation 3.2 Types of Information Sources: Documentary (Print and Non-Print), Primary, Secondary, and Tertiary Sources 3.3 Non-Documentary Sources: Human and Institutional Sources		
Unit 4 Information Literacy and Retrieval 4.1 Information Literacy: Meaning, Definitions, and Models 4.2 Methods of Information Retrieval 4.3 Methods of e-Information Retrieval		

Mapping Matrix of POs, PSOs, and COs																	
COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	1	1	1	2	1	1	1	1	1	2	1.42	2	---	2	2.00
CO-2	3	2	1	1	1	2	2	1	1	1	1	2	1.5	3	2	3	2.67
CO-3	2	2	1	1	2	2	2	1	1	2	1	2	1.58	3	3	---	3.00
CO-4	3	2	1	2	2	3	3	1	1	2	2	3	2.08	1	2	3	2.00
Avg	2.75	2	1	1.25	1.5	2.25	2	1	1	1.5	1.25	2.25		2.25	2.33	2.67	

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy	
CO-1 (Unit: 1)	Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops
CO-2 (Unit: 2)	Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops
CO-3 (Unit: 3)	Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops
CO-4 (Unit: 4)	Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops

Curriculum Framework - Master of Library & Information Science - 2025

Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

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• રા. માશ્રી વિકલજે. (2012), માહિતીના પ્રકારો અને સ્ત્રોતો, અમદાવાદ: પાર્થ પબ્લિકેશન.
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Web & Other Study Resources:
• https://nptel.ac.in/courses/Library
• https://www.inflibnet.ac.in/ – INFLIBNET: Information and Library Network Centre
• https://unesdoc.unesco.org/ – UNESCO Digital Library (Search: Information Literacy)
• https://www.ala.org/acrl/issues/infolit – ACRL: Information Literacy Resources
• https://www.ifla.org/units/information-literacy/ – IFLA: Information Literacy Section
• https://lislinks.com/ – LIS Links: Community Resources & Study Materials
• https://eric.ed.gov/ – ERIC (Education Resources Information Center)
• https://metaliteracy.org/ – Metaliteracy Learning Collaborative
• https://www.slideshare.net/ – SlideShare (Search: Information Literacy / Research Skills)
• https://www.youtube.com/ – YouTube (Search: “Information Literacy Tutorials”)

Program –Master of Library & Information Science

Semester- 1

Course Code 256010449005	Name of Course Library Classification and Cataloging Practical-1	Compulsory
Credit: 04	Teaching Scheme: Theory (0) - Practical (120)	Teaching Hours: 120

Course Outcomes (COs)

Upon completion of the course, students shall be able to

CO1: (Cataloging) Execute descriptive & subject cataloguing workflows

CO2: (Cataloging) Evaluate & adapt cataloguing standards for emerging formats

CO3: (Classification) Analyze & assign DDC numbers using a direct approach

CO4: (Classification) Synthesize complex DDC notations with tables & add-ons.

Detailed Syllabus

Unit 1 Steps and Techniques in Classification

1.1 Steps of Classification

1.2 Usage of Dewey Decimal Classification (DDC)

1.3 Analysis of the Work: Direct Approach to Main Classes, Sub-Classes, and Sections

Unit 2 Understanding and Applying Classification Notes and Tables

2.1 Understanding Notes: 'Scope', 'Inclusion', 'Class Here', 'Optional Provision', etc.

2.2 Synchronous Characteristics: Additions from a List

2.3 Use of Table-1: 'Standard Subdivisions'

2.4 Use of Table-2: 'Area'

2.5 Use of Table-3: 'Subdivisions of Individual Literature'

Unit 3 Cataloging Monographs and Complex Authorship

3.1 Cataloging with an Individualizer and a Co-Author

3.2 Handling Authorship of More Than Three Contributors

3.3 Cataloging Collaborative Works: Bibliographies and Multi- Volume Works

3.4 Cataloging Pseudonymous Authors

3.5 Cataloging Companion Texts

Unit 4 Cataloging Various Document Types

4.1 Creating Collective Bibliographies

4.2 Cataloging Government Publications

4.3 Cataloging Reports of Conferences, Seminars, Workshops, etc.

4.4 Cataloging Works by Collective Organizations, Joint Institutions, and Societies

4.5 Cataloging Special Works: Holy Works and Anonymous Works

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	1	3	1	2	2	1	1	1	1	2	1.67	2	---	2	2.00
CO-2	3	2	1	3	1	2	2	1	1	2	1	2	1.75	3	2	3	2.67
CO-3	2	2	1	3	1	2	2	1	1	2	1	2	1.67	3	3	---	3.00
CO-4	2	1	1	2	1	2	2	1	1	2	1	2	1.5	1	2	3	2.00
Avg	2.5	1.75	1.0	2.75	1.0	2.0	2.0	1.0	1.0	1.75	1.0	2.0		2.25	2.33	2.67	

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Curriculum Framework - Master of Library & Information Science - 2025

• Teaching Pedagogy					
CO-1 (Unit: 1)	• Lectures, Discussions, Case Studies, Group Work, Hands-on Activities				
CO-2 (Unit: 2)	• Lectures, Discussions, Case Studies, Group Work, Hands-on Activities				
CO-3 (Unit: 3)	• Lectures, Discussions, Case Studies, Group Work, Hands-on Activities				
CO-4 (Unit: 4)	• Lectures, Discussions, Case Studies, Group Work, Hands-on Activities				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

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शर्मा, एच., प्रहलाद; शर्मा. (2002). <i>पुस्तकालय सुचिकरण (लाइब्रेरी कैटलॉगिंग): कैटलॉगिंग प्रक्रिया</i>, विश्वविद्यालय प्रकाशन.
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सिंह, ए.के. (2011). <i>पुस्तकालय सुचिकरण</i>, अर्जुन पब्लिशिंग हाउस।
सुमन, ए.के. (2011बी). <i>पुस्तकालय वर्गीकरण एवं सुचिकरण: सिद्धांत एवं प्रयोग</i>, ज्ञान प्रकाशन.
सूद, एस.पी. (2002). <i>क्रियात्मक सुचिकरण एएसीआर-2: कैटलॉगिंग प्रक्रिया</i>, राधा प्रकाशन.
Web & Other Study Resources:
https://www.loc.gov/catdir/cpsolcco/
https://www.oclc.org/en/dewey.html
https://www.oclc.org
https://www.loc.gov/marc/
https://www.nationallibrary.gov.in
https://www.worldcat.org
https://www.librarything.com
https://openlibrary.org
https://epgp.inflibnet.ac.in/
https://nptel.ac.in/courses/106106046

Program –Master of Library & Information Science Semester- 2		
Course Code 256010449006	Name of Course Information Sources	Compulsory
Credit: 04	Teaching Scheme: Theory (60) - Practical (0)	Teaching Hours: 60
Course Outcomes (COs)		
Upon completion of the course, students shall be able to CO1: Define and describe various types of information sources, including human, institutional and non-documentary. CO2: Differentiate and categorize documentary sources, including print, non-print and bibliographic types CO3: Evaluate and utilize standard reference sources and understand bibliographic control systems like UBC and UAP. CO4: Apply internet tools and methods to access and report on reference and information sources.		
Detailed Syllabus		
Unit 1 1.1 Information Source: Meaning and Definition 1.2 Types of Information Sources: Non-documentary, Human, Institutional 1.3 Documentary Sources: Print and Non-print, Primary, Secondary, and Tertiary Sources		
Unit 2 2.1 Reference Source: Meaning and Definition 2.2 Various Reference Sources and Their Evaluation: 2.3 Dictionaries: Bhagavadgomandal, Oxford English Dictionary 2.4 Directories: The World of Learning, Ulrich's International Periodical Directory 2.5 Encyclopedias: Gujarati Vishwakosh, The New Encyclopedia Britannica 2.6 Gazetteers: Gujarat State Gazetteers, The Columbia Lippincott Gazetteer of the World 2.7 Annual Books: Manorama Yearbook, The Europa World Yearbook 2.8 Biographical Sources: The International Who's Who, Dictionary of National Biography.		
Unit 3 3.1 Bibliography: Meaning, Area, Functions, and Kinds 3.2 Types of Bibliographies: Past and Present, General, Specialized, 3.3 National (INB and BNB), Business, Subject 3.4 Bibliographic Control: Meaning, Purpose, Universal Bibliographic Control (UBC), and Universal Availability of Publications (UAP)		
Unit 4 4.1 Web/Internet as Reference Source 4.2 Finding and Reporting on Different Types of Reference and Information Sources		

Mapping Matrix of POs, PSOs, and COs																	
COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	1	1	1	2	1	1	1	1	1	2	3	2	---	2	2.00
CO-2	3	2	1	2	1	2	2	1	1	2	1	2	3	3	2	3	2.67
CO-3	3	2	1	2	1	2	2	1	1	2	2	2	3	3	3	---	3.00
CO-4	3	2	1	2	2	3	3	1	1	2	2	3	3	1	2	3	2.00
Avg	3	2	1	1.75	1.25	2.25	2	1	1	1.75	1.5	2.25		2.25	2.33	2.67	

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy	
CO-1 (Unit: 1)	Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops
CO-2 (Unit: 2)	Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops
CO-3 (Unit: 3)	Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops
CO-4 (Unit: 4)	Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops

Curriculum Framework - Master of Library & Information Science - 2025

Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

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Web & Other Study Resources:
• https://epgp.inflibnet.ac.in/
• https://www.niscair.res.in/
• https://nptel.ac.in/
• https://www.doaj.org/
• https://en.wikipedia.org/wiki/Wikipedia:Library
• https://ndl.iitkgp.ac.in/ – National Digital Library of India
• https://www.inflibnet.ac.in/ – INFLIBNET: Information and Library Network Centre
• https://lislinks.com/ – LIS Links: Library and Information Science Network
• https://archive.org/ – Internet Archive: Digital Library of Books & Journals
• https://www.loc.gov/ – Library of Congress: Reference and Information Resources

Program –Master of Library & Information Science Semester- 2		
Course Code 256010449007	Name of Course Information Services	Compulsory
Credit: 04	Teaching Scheme: Theory (60) - Practical (0)	Teaching Hours: 60
Course Outcomes (COs)		
Upon completion of the course, students shall be able to CO1: Define and explain reference services, applying Ranganathan's principles and methods for answering questions. CO2: Educate consumers on information services and differentiate between reference and information services. CO3: Provide literature search, cataloging, translation, and internet-based referral/document delivery services. CO4: Develop and implement abstracting and indexing services including their types, usage, and functions.		
Detailed Syllabus		
Unit 1 1.1 Reference Service: Definition, Need, Purpose, and Operation 1.2 Dr. Ranganathan's Reference Service Principles: Present Reference Service and Comprehensive Reference Service 1.3 Methods and Styles of Answering Reference Questions 1.4 Consumer Education: Objectives, Ways, and Methods		
Unit 2 2.1 Information Services: Definition, Need, and Scope 2.2 Difference Between Information Service and Reference Service 2.3 Types of Information Services: 2.4 Literature Search 2.5 Cataloging Service 2.6 Transcription Service 2.7 Translation Service		
Unit 3 3.1 Current Awareness Service 3.2 Selective Dissemination Information Service 3.3 Referral and Document Delivery Service 3.4 Internet Services		
Unit 4 4.1 Abstracting Services: 4.2 Meaning, Usage, Parts of Abstracts 4.3 Types: Information Indicative and Informative 4.4 Indexing Services: 4.5 Meaning and Usage		

Curriculum Framework - Master of Library & Information Science - 2025

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	1	2	2	2	2	1	1	2	2	2	3	2	---	2	2.00
CO-2	2	2	1	1	2	2	1	1	1	1	1	2	2	3	2	3	2.67
CO-3	2	2	2	2	2	2	3	1	1	2	2	3	2	3	3	---	3.00
CO-4	2	2	1	2	1	2	2	1	1	2	1	2	2	1	2	3	2.00
Avg	2.25	2	1.25	1.75	1.75	2	2	1	1	1.75	1.5	2.25		2.25	2.33	2.67	

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

CO-1 (Unit: 1)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops
CO-2 (Unit: 2)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops
CO-3 (Unit: 3)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops
CO-4 (Unit: 4)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops

Assessment Method

	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
Continuous Comprehensive Evaluation 40 Marks	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

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• કાનડિયા, પ્રયત્નકર. (2017-18). સંદર્ભસ્રોત:સંદર્ભગ્રંથો. અમદાવાદ: ગર્ગ પબ્લિકેશન..
Web & Other Study Resources:
• https://epgp.inflibnet.ac.in/
• https://nptel.ac.in/
• https://ndl.iitkgp.ac.in/
• https://www.oclc.org/
• http://www.ala.org/rusa/
• https://delnet.in/

Curriculum Framework - Master of Library & Information Science - 2025

Program –Master of Library & Information Science

Semester- 2

Course Code 256010449008	Name of Course Computer Application	Compulsory
Credit: 04	Teaching Scheme: Theory (60) - Practical (0)	Teaching Hours: 60

Course Outcomes (COs)

Upon completion of the course, students shall be able to

CO1: Define computer technology and identify various types of computers and their applications.

CO2: Understand hardware, software, networks, and apply common application software tools.

CO3: Evaluate and implement library automation systems across multiple library functions.

CO4: Analyze the impact of computer technology on library services and demonstrate technical proficiency.

Detailed Syllabus

Unit 1

- 1.1 Computer Technology: Meaning and Characteristics
- 1.2 Types of Computers: Analog, Digital, and Hybrid; Super, Mainframe, Mini, Micro, Laptop, PDA
- 1.3 Hardware: Input, Output, and Storage Devices, Ports, Multimedia
- 1.4 Software: Meaning and Purpose
- 1.5 Types of Software: System, Application, and Programming Software, Open Source
- System Software: Operating Systems (WINDOWS, DOS, UNIX, LINUX)

Unit 2

- 2.1 Application Software: Meaning and Purpose
- 2.2 MS Word, MS Excel, and MS Access: Features and Uses
- 2.3 Networking: Concept, Need
- 2.4 Network Topologies:
- 2.5 Types of Networks

Unit 3

- 3.1 Library Automation Software: Characteristics, Selection Criteria (LIBSYS, ALICE, SOUL, CDS/ISIS-WINISIS)
- 3.2 Library Automation: Meaning and Need
- 3.3 Operating Systems: Practical use of any operating system
- 3.4 Word Processing: Practical use of any word processing package
- 3.5 Presentations: Creating PowerPoint presentations
- 3.6 Library Automation Software: Introduction and practical use
- 3.7 CMS-JOOLLA

Unit 4 Areas and Impact of Library Automation

- 4.1 Areas of Library Automation: Bibliography, Order, Catalog, Circulation, Periodicals
- 4.2 Control and Administration: Issues, Problems, and Prospects
- 4.3 Impact of Computer Technology: On Librarianship and Informatics
- 4.4 Operating Systems: Practical use of any operating system
- 4.5 Word Processing: Practical use of any word processing package
- 4.6 Presentations: Creating PowerPoint presentations
- 4.7 Library Automation Software: Introduction and practical use

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	1	2	1	2	2	1	1	1	1	2	3	2	---	2	2.00
CO-2	3	2	2	2	2	2	3	1	1	2	2	3	3	3	2	3	2.67
CO-3	2	2	3	2	2	3	3	1	2	2	2	3	2	3	3	---	3.00
CO-4	2	2	2	2	2	2	3	1	1	2	2	3	2	1	2	3	2.00
Avg	2.5	2	2	2	1.75	2.25	2.75	1	1.25	1.75	1.75	2.75	2	2.25	2.33	2.67	

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Curriculum Framework - Master of Library & Information Science - 2025

Teaching Pedagogy					
CO-1 (Unit: 1)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-2 (Unit: 2)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-3 (Unit: 3)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-4 (Unit: 4)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

References	
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Web & Other Study Resources:
• https://www.inflibnet.ac.in
• https://delnet.in
• https://ndl.iitkgp.ac.in
• https://www.oclc.org
• https://librarytechnology.org
• https://www.ala.org/ – ALA: Library Technology and Digital Services
• https://lislinks.com/ – LIS Links: Library and Information Science Community
• https://www.ifla.org/ – IFLA: Information Technology Section
• https://archive.org/ – Internet Archive: Digital Library Technology Materials
• https://nptel.ac.in/ – NPTEL: Courses on ICT & Digital Libraries

Program –Master of Library & Information Science

Semester- 2

Course Code 256010449009	Name of Course Knowledge organization and Processing -2	Compulsory
Credit: 04	Teaching Scheme: Theory (60) - Practical (0)	Teaching Hours: 60

Course Outcomes (COs)

Upon completion of the course, students shall be able to

CO1: Explain principles and types of classification, including facet analysis and Ranganathan's contributions.

CO2: Apply advanced classification methods, facet relationships, and auxiliary order in organizing knowledge.

CO3: Understand and evaluate subject cataloging standards and tools, including LCSH, MARC, and OPAC.

CO4: Analyze the impact of technology and trends in cataloging, applying practical techniques through hands-on methods.

Detailed Syllabus

Unit 1

- 1.1 Motivational Principles of Classification: Dr. Ranganathan's contribution
- 1.2 Types of Subjects: Basic Subject, Combined Subject, Complex Subject
- 1.3 Analysis and tactics
- 1.4 Methods and specifications

Unit 2

- 2.1 Facet Analysis – Accepted Principles
- 2.2 Synthesis - Analysis–Synthesis, Inter-faceted and Inter-Line Relationships
- 2.3 Principles of Auxiliary Order

Unit 3

- 3.1 Subject Cataloging: Meaning, Need, Purpose and Aim
- 3.2 Different types of subject list
- 3.3 Problems of alphabetical lists
- 3.4 Standardized lists of subject headings and their characteristics LCSH and SLSH

Unit 4

- 4.1 Web based catalogues
- 4.2 Rules for closing catalog entries
- 4.3 Standardization of Cataloging: Need, Purpose
- 4.4 Standards of bibliographic description: MARC, MARC-21, CCF, ISBD, OPAC
- 4.5 Impact of IT on Cataloging – Use of Internet in Cataloging
- 4.6 Trends in Cataloging

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	2	3	2	2	2	1	1	2	1	2	1.92	2	---	2	2.00
CO-2	3	2	2	3	2	2	3	1	1	2	2	3	2.17	3	2	3	2.67
CO-3	3	2	2	3	2	3	3	1	2	2	2	3	2.33	3	3	---	3.00
CO-4	2	2	2	3	2	3	3	1	2	2	2	3	2.25	1	2	3	2.00
Avg	2.75	2	2	3	2	2.5	2.75	1	1.5	2	1.75	2.75		2.25	2.33	2.67	

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Curriculum Framework - Master of Library & Information Science - 2025

Teaching Pedagogy					
CO-1 (Unit: 1)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-2 (Unit: 2)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-3 (Unit: 3)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-4 (Unit: 4)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

References	
•	Kumar, P. S. G. (2003). Knowledge Organization Information processing & Retrieval. Delhi: B. R. Publishing Corporation.
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• કાનડિયા, પ્રયત્કર કે. (2009). જ્ઞાન સંગ્રહન, માહિતી પ્રક્રિયા અને પુનઃપ્રાપ્તિ વર્ગીકરણ. અમદાવાદ: પાર્શ્વ પબ્લિકેશન
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Web & Other Study Resources:
• https://epgp.inflibnet.ac.in/
• https://nptel.ac.in/
• https://www.loc.gov/aba/
• https://www.oclc.org/en/cataloging.html
• https://www.oclc.org/dewey.html
• https://ndl.iitkgp.ac.in/ – National Digital Library of India
• https://www.inflibnet.ac.in/ – INFLIBNET: Information and Library Network Centre
• https://lislinks.com/ – LIS Links: Library and Information Science Portal
• https://www.ifla.org/ – IFLA: Classification and Indexing Section
• https://www.dublincore.org/ – Dublin Core Metadata Initiative

Program –Master of Library & Information Science**Semester- 2**

Course Code 256010449010	Name of Course Library Classification and Cataloging Practical-2	Compulsory
Credit: 04	Teaching Scheme: Theory (0) - Practical (120)	Teaching Hours: 120

Course Outcomes (COs)

Upon completion of the course, students shall be able to

CO1: Classify documents with original, composite, and complex subject matter using DDC.

CO2: Utilize DDC Tables 4, 5, 6, and 7 effectively for accurate classification.

CO3: Catalog serial publications and non-text materials using AACR-2 standards.

CO4: Apply cataloging rules for electronic sources and understand their specific requirements.

Detailed Syllabus**Unit 1**

- 1.1 Library Classification Practical
- 1.2 Classification Techniques
- 1.3 Classification of documents with common (original) subject matter
- 1.4 Classification of documents containing composite subject matter
- 1.5 Classification of documents containing complex subject matter

Unit 2

- 2.1 Advanced DDC Tables
- 2.2 Use of Table-4 (Subdivision of Individual Languages)
- 2.3 Use of Table-5 (Racial, Ethnic, National Groups)
- 2.4 Use of Table-6 (Languages) and Table-7 (Persons) in DDC
- 2.5 Cataloguing Practicals-2 (Unit 3 & 4)

Unit 3

- 3.1 Cataloguing Bibliographic Materials
- 3.2 Serial Publications
- 3.3 Maps, Charts, Atlases
- 3.4 Pictures
- 3.5 Printed Music

Unit 4

- 4.1 Cataloguing Non-Textual Materials
- 4.2 Phonetics
- 4.3 Drawings, Movies, and Films
- 4.4 Microforms
- 4.5 Electronic Sources
- 4.6 Evaluation
- 4.7 Online Copy Cataloguing

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	2	3	1	2	2	1	1	2	1	2	1.83	2	---	2	2.00
CO-2	3	2	2	3	1	2	2	1	1	2	1	2	1.83	3	2	3	2.67
CO-3	3	2	2	3	2	2	3	1	1	2	2	3	2.17	3	3	---	3.00
CO-4	3	2	2	3	2	3	3	1	1	2	2	3	2.25	1	2	3	2.00
Avg	3	2	2	3	1.5	2.25	2.5	1	1	2	1.5	2.5		2.25	2.33	2.67	

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Curriculum Framework - Master of Library & Information Science - 2025

Teaching Pedagogy					
CO-1 (Unit: 1)	• Lectures, Discussions, Case Studies, Group Work, Hands-on Activities				
CO-2 (Unit: 2)	• Lectures, Discussions, Case Studies, Group Work, Hands-on Activities				
CO-3 (Unit: 3)	• Lectures, Discussions, Case Studies, Group Work, Hands-on Activities				
CO-4 (Unit: 4)	• Lectures, Discussions, Case Studies, Group Work, Hands-on Activities				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

References	
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•	Association, A. L., & Association, C. L. (1998). <i>Anglo American Cataloging Rules AACR2-rev.</i> ALA.
•	Bhavsar, Kirit. (1997). DDC-19
•	DDC Volumes (19th Edition)
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शर्मा, एच., प्रहलाद; शर्मा. (2002). <i>पुस्तकालय सुचिकरण (लाइब्रेरी कैटलॉगिंग): कैटलॉगिंग प्रक्रिया</i>, विश्वविद्यालय प्रकाशन.
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सिंह, ए.के. (2011). <i>पुस्तकालय सुचिकरण</i>, अर्जुन पब्लिशिंग हाउस।
सुमन, ए.के. (2011बी). <i>पुस्तकालय वर्गीकरण एवं सुचिकरण: सिद्धांत एवं प्रयोग</i>, ज्ञान प्रकाशन.
सूद, एस.पी. (2002). <i>क्रियात्मक सुचिकरण एएसीआर-2: कैटलॉगिंग प्रक्रिया</i>, राधा प्रकाशन.
Web & Other Study Resources:
https://www.isibang.ac.in
https://www.udcc.org/
https://id.loc.gov/authorities/subjects.html
https://www.loc.gov/marc/bibliographic/
https://www.worldcat.org
https://www.oclc.org/en/dewey/resources.html
https://marcedit.reeset.net/
https://classify.oclc.org/classify2/
https://epgp.inflibnet.ac.in/
https://www.ifla.org/

Program –Master of Library & Information Science

Semester- 3

Course Code 256010449011	Name of Course Information & Communication	Compulsory
Credit: 04	Teaching Scheme: Theory (60) - Practical (0)	Teaching Hours: 60

Course Outcomes (COs)

Upon completion of the course, students shall be able to

CO1: Comprehend the pivotal role of information in modern society and its transformative impact.

CO2: Understand specific information needs for various domains and societal functions.

CO3: Analyze the economics and management of information and knowledge systems.

CO4: Evaluate the characteristics and implications of diverse information sources in society.

Detailed Syllabus

Unit-1

- 1.1 Information: Characteristics, Nature, Value, and Uses
- 1.2 Difference Between Data, Information, and Knowledge
- 1.3 Communication: Production, Transmission Routes, Patterns and Barriers
- 1.4 Trends in Scientific Communication
- 1.5 Definition, Scope, and Purposes of Information Science
- 1.6 Information Science as an Ideology
- 1.7 Relationship of Information Science to Other Subjects

Unit-2

- 2.1 Information Society: Origins, Characteristics, Indicators
- 2.2 Role of Libraries and Information Centers
- 2.3 Intellectual Property Act, Right to Information Act, Publication Control
- 2.4 Data Security and Honest Use
- 2.5 Right to Information Policies, Science and Technology, Education
- 2.6 National and International Programs and Policies (NAPLIS, UAP, UBC)

Unit-3

- 3.1 Information as a Financial Commodity
- 3.2 Information Industry: Makers, Supporters, Intermediaries
- 3.3 Marketing of Information
- 3.4 Knowledge Management: Definition, Need, Implementation
- 3.5 Information vs. Knowledge Management
- 3.6 Professional Bodies: Objectives, Functions, Services (IASLIC, ILA, IATLIS, Gujarat Library Service Association)

Unit-4

- 4.1 Concept and Definition of Informatics
- 4.2 Quote Analysis and Bibliographic Coupling
- 4.3 Librametry and Bibliometrics: Concepts, Fields, Utility
- 4.4 Bibliometric Laws: Bradford, Lotka, Zipf

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	3	2	2	1	2	1	1	1	2	1	2	1.75	2	---	2	2.00
CO-2	3	3	2	2	2	2	2	1	1	2	2	2	2	3	2	3	2.67
CO-3	2	2	2	2	2	3	3	1	1	2	2	3	2.08	3	3	---	3.00
CO-4	3	2	2	2	2	2	2	1	1	2	2	2	1.92	1	2	3	2.00
Avg	2.75	2.5	2	2	1.75	2.25	2	1	1	2	1.75	2.25		2.25	2.33	2.67	

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Curriculum Framework - Master of Library & Information Science - 2025

Teaching Pedagogy					
CO-1 (Unit: 1)	● Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-2 (Unit: 2)	● Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-3 (Unit: 3)	● Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-4 (Unit: 4)	● Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		

References	
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Web & Other Study Resources:

- <https://epgp.inflibnet.ac.in/>
- <https://nptel.ac.in/>
- <https://en.unesco.org/themes/communication-and-information>
- <https://ndl.iitkgp.ac.in/>
- <https://www.ala.org/>
- <https://www.inflibnet.ac.in/> – INFLIBNET: Information and Library Network Centre
- <https://www.ifla.org/> – IFLA: Information and Communication Section
- <https://eric.ed.gov/> – ERIC: Information and Communication in Education
- <https://www.ala.org/> – ALA: Information Policy & Communication Tools
- <https://lislinks.com/> – LIS Links: Library and Information Science Community

Program –Master of Library & Information Science		
Semester- 3		
Course Code 256010449012	Name of Course Automation & Networking	Compulsory
Credit: 04	Teaching Scheme: Theory (60) - Practical (0)	Teaching Hours: 60
Course Outcomes (COs)		
Upon completion of the course, students shall be able to CO1: Understand the aspects, benefits, and need for library automation. CO2: Develop skills in using computers, networks, and communication technologies for library operations. CO3: Utilize the internet and AI tools effectively in library services and management CO4: Operate and manage library automation software and web-based library systems.		
Detailed Syllabus		
Unit 1 1.1 Library Automation – Definition requirement, purpose and benefit 1.2 Automaton Planning: Steps to Automation: To develop Basic Technology Plan 1.3 To identify the goal, to describe the possibilities of existing library services & technology Study, assessment of need and priority, formulating strategies, hardware and Selection and implementation of software. 1.4 Library Automation Software Packages: Study and Structure Administration, registration methods, arrangement and display of periodicals.		
Unit 2 2.1 For bibliography, cataloguing, inventory use (OPAC), bibliography and periodical control, Development of profiling and automated methods 2.2 Barcode Technology means, needs and benefits, types of barcodes, Dumb/Generic Barcode and Smart Barcodes – Their Appropriation		
Unit 3 3.1 Networking: Basic components of concept, need and benefit network 3.3 Network Topology – Star, Ring, Bus and Tree 3.4 Wireless networking 3.5 Types of networks – LAN, MAN and WAN 3.6 Local Area Network – Types and Technologies 3.7 Networks: General and Bibliographic 3.8 General – ERNET, NICNET, INFONET 3.9 Library Network: OCLC, BLAISE, JANET, INFLIBNET Purposes, Operations, Services and Activities		
Unit 4 4.1 Internet: Concepts, features, services 4.2 Search Engines – Concept, Types, Uses of Search Engines & Meta Search Engines Benefits 4.3 Internet Serving: Web Browsers – Purpose. Performance, facilities available from different browsers Internet Security 4.4 Internet Reference Source: Identity, Login 4.5 Various sources useful for librarians to provide reference service 4.6 Assessment of Internet Information Source – Need, Methods 4.7 Artificial Intelligence (AI) - Conception and use of specialist methods/ knowledge-based methods and its application in libraries and information science centers 4.8 Web: Concept, Usability Build for the Web 4.9 Web Design – Methodology, Steps		

Curriculum Framework - Master of Library & Information Science - 2025

Mapping Matrix of POs, PSOs, and COs																	
COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	3	2	2	1	2	1	1	1	2	1	2	1.75	2	---	2	2.00
CO-2	3	3	2	2	2	2	2	1	1	2	2	2	2	3	2	3	2.67
CO-3	2	2	2	2	2	3	3	1	1	2	2	3	2.08	3	3	---	3.00
CO-4	3	2	2	2	2	2	2	1	1	2	2	2	1.92	1	2	3	2.00
Avg	2.75	2.5	2	2	1.75	2.25	2	1	1	2	1.75	2.25		2.25	2.33	2.67	

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy					
CO-1 (Unit: 1)	Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-2 (Unit: 2)	Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-3 (Unit: 3)	Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-4 (Unit: 4)	Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

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- અકબરી, અતુલ. (2004). માહિતી ટેકનોલોજી. અમદાવાદ: પાર્થ પ્રકાશન.

Web & Other Study Resources:

- <https://www.inflibnet.ac.in>
- <https://delnet.in>
- <https://ndl.iitkgp.ac.in>
- <https://www.oclc.org>
- <https://librarytechnology.org>

Program –Master of Library & Information Science
Semester- 3

Course Code 256010449013	Name of Course Research Methodology	Compulsory
Credit: 04	Teaching Scheme: Theory (60) - Practical (0)	Teaching Hours: 60

Course Outcomes (COs)

Upon completion of the course, students shall be able to

CO1: Understand the aspects, benefits, and need for library automation.

CO2: Develop skills in using computers, networks, & communication technologies for libraries.

CO3: Utilize the internet and AI tools effectively in library services and management

CO4: Operate and manage library automation software and web-based library systems.

Detailed Syllabus

Unit 1

- 1.1 The meaning, necessity and research process of the concept of research
- 1.2 Types of research: including the basic & practical, inter-disciplinary & Multi-disciplinary approach, research in the field of library & information science.
- 1.3 Types of research profiles
- 1.4 Identification and resolution of the problem
- 1.5 Concept or Concept – Meaning, Characteristics, Source Outline the research proposal
- 1.6 Ethical concepts of research
- 1.7 Literature search – printed, unprinted and electronic sources

Unit 2

- 2.1 Scientific, historical and descriptive methods of research Survey method and individual study method
- 2.2 Experimental method and Delphi method

Unit 3

- 3.1 Questionnaire, schedule, interview and observation techniques
- 3.2 Calibration and identification
- 3.3 Library documents notes and reports
- 3.4 Instructional techniques

Unit 4

- 4.1 Descriptive statistics, measure of intermediate position, median, median, and plurality
- 4.2 Tabularization and generalization
- 4.3 Diffusion: Wandering and co-deprecation and correlation
- 4.4 Percentage Deviation
- 4.5 Graphical representation of data – Column graph, Pie graph
- 4.6 Structure and content of the research report
- 4.7 Guide to research reports

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	3	3	3	2	2	2	2	2	2	3	3	2.5	2	---	2	2.00
CO-2	3	3	3	3	2	2	3	2	2	2	3	3	2.58	3	2	3	2.67
CO-3	3	3	3	3	2	2	3	2	2	3	3	3	2.67	3	3	---	3.00
CO-4	3	3	3	3	2	2	3	2	2	3	3	3	2.67	1	2	3	2.00
Avg	3	3	3	3	2	2	2.75	2	2	2.5	3	3		2.25	2.33	2.67	

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Curriculum Framework - Master of Library & Information Science - 2025

Teaching Pedagogy					
CO-1 (Unit: 1)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-2 (Unit: 2)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-3 (Unit: 3)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-4 (Unit: 4)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks			Exam Component		
	COs	Marks	Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

References
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Web & Other Study Resources:
https://epgp.inflibnet.ac.in/
https://nptel.ac.in/
https://shodhganga.inflibnet.ac.in/
https://link.springer.com/, https://www.emerald.com/
https://icssr.org/
https://www.inflibnet.ac.in/
https://eric.ed.gov/
https://lislinks.com/
https://researchgate.net/
https://doaj.org/

Program – Master of Library & Information Science**Semester- 3**

Course Code 256010449014	Name of Course Management of Library and Information Centers	Compulsory
Credit: 04	Teaching Scheme: Theory (60) - Practical (0)	Teaching Hours: 60

Course Outcomes (COs)

Upon completion of the course, students shall be able to

CO1: Understand the principles and functions of modern library management practices.

CO2: Apply foundational management skills in organizing and operating libraries and information centers.

CO3: Demonstrate capabilities to manage library operations efficiently and effectively.

CO4: Develop leadership and decision-making skills relevant to library and information center environments.

Detailed Syllabus**Unit 1**

- 1.1 Library Management: Concept, Definition, Nature, Purpose
- 1.2 Management Ideologies
- 1.3 Style and Approach of Management
- 1.4 Management Functions and Their Application in Libraries
- 1.5 Planning: Concept, Need, and Purpose
- 1.6 Principles of Planning: Steps, Components and Types of Planning Management of Objectives

Unit 2

- 2.1 Library System Approach: The Library System and Its Subsystems
- 2.2 Project Management: PERT (Program Evaluation and Review Technique), CPM (Critical Path Method)
- 2.3 Re-engineering
- 2.4 SWOT (Strength, Weakness, Opportunity, Threat) Methods for Information Evaluation

Unit 3

- 3.1 Decision Making in Quality Management: Concepts, Problems, Processes
- 3.2 Supporting Items, Information System Management (MIS)
- 3.3 Organizational Structure
- 3.4 Devolution of Power: Responsibility and Accountability
- 3.5 Organizational Communication: Role in Conceptualization and Management
- 3.6 Quality Management: Concept of Quality, Components, Appropriation in Libraries
- 3.7 Quality Management Standards: ISO 9001

Unit 4

- 4.1 Human Resources – Planning, Employee Policies, Employee Engagement Standards
- 4.2 Methodology of recruitment – selection, training and development, interpersonal relations
- 4.3 Work relationships – supervision, control, leadership group motivation and performance evaluation, managerial qualities
- 4.4 Library Financial Resource Collection
- 4.5 Budgeting methods – PBBS and zero-based, budgetary control
- 4.6 Cost accounting – concept and use
- 4.7 Selection of books, periodicals and other material including digital material, Procurement, Protection and Maintenance Issues and Arrangements

Curriculum Framework - Master of Library & Information Science - 2025

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	3	3	3	2	2	2	2	2	2	3	3	2.5	2	---	2	2.00
CO-2	3	3	3	3	2	2	3	2	2	2	3	3	2.58	3	2	3	2.67
CO-3	3	3	3	3	2	2	3	2	2	3	3	3	2.67	3	3	---	3.00
CO-4	3	3	3	3	2	2	3	2	2	3	3	3	2.67	1	2	3	2.00
Avg	3	3	3	3	2	2	2.75	2	2	2.5	3	3		2.25	2.33	2.67	

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

CO-1 (Unit: 1)	Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops
CO-2 (Unit: 2)	Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops
CO-3 (Unit: 3)	Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops
CO-4 (Unit: 4)	Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops

Assessment Method

	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
Continuous Comprehensive Evaluation 40 Marks	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

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Web & Other Study Resources:
https://epgp.inflibnet.ac.in/
https://nptel.ac.in/
https://www.ifla.org/management-and-marketing
https://www.inflibnet.ac.in/
https://ndl.iitkgp.ac.in/
https://www.ala.org/tools/leadership
https://www.emerald.com/insight/topic/management-of-library-and-information-centres
https://researchgate.net/
https://doaj.org/
https://www.slideshare.net/ – SlideShare (Search: Library Management)

Program – Master of Library & Information Science

Semester- 3

Course Code 256010449015	Name of Course Library Internship	Compulsory
Credit: 04	Teaching Scheme: Theory (0) - Practical (120)	Teaching Hours: 60
Course Outcomes (COs)		
Upon completion of the course, students shall be able to CO1: Gain practical experience by applying LIS knowledge in real-world library settings. CO2: Understand the societal role and contributions of libraries to different aspects of development. CO3: Demonstrate the ability to handle routine library operations, including circulation, cataloging and user services. CO4: Develop professional behavior, communication skills, and familiarity with library work culture and teamwork.		

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	3	3	3	2	2	2	3	3	3	3	3	2.75	2	---	2	2.00
CO-2	3	3	2	2	2	2	2	3	2	2	2	3	2.33	3	2	3	2.67
CO-3	3	2	3	3	2	2	3	3	2	3	2	3	2.58	3	3	---	3.00
CO-4	3	2	3	3	2	3	3	3	2	3	3	3	2.75	1	2	3	2.00
Avg	3	2.5	2.75	2.75	2	2.25	2.5	3	2.25	2.75	2.5	3		2.25	2.33	2.67	

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

Library work for 30 days in Reputed institute.

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Program –Master of Library & Information Science

Semester- 4

Course Code 256010449016	Name of Course Information Processing and Retrieval	Compulsory
Credit: 04	Teaching Scheme: Theory (60) - Practical (0)	Teaching Hours: 60

Course Outcomes (COs)

Upon completion of the course, students shall be able to

CO1: Understand tools, components and methods of data collection and information retrieval.

CO2: Create, analyze and organize content for library and information centers.

CO3: Apply instructional processes, vocabulary control and coordination techniques in retrieval systems.

CO4: Utilize bibliographic and metadata standards for evaluating and managing data retrieval.

Detailed Syllabus

Unit 1 Data Collection and Content Analysis

- 1.1 Data Collection Concepts: Components and Tools of Information Retrieval
- 1.2 Methods of Data Collection
- 1.3 Creation and Development of Content
- 1.4 Content Analysis: Application, Meaning, Purpose, Library and Information Centers
- 1.5 Concepts and Processes of Instruction
- 1.6 Languages, Types, and Characteristics of Instruction
- 1.7 Vocabulary Control: Vocabulary Control Tools
- 1.8 Thesaurus: Formation, Functions, and Plan/Outline

Unit 2 Instruction Methods and Automation

- 2.1 Pre-coordinated and Post-coordinated Instruction
- 2.2 Chain Instruction, Pressy, Uniterms, Tea-like Words, and Quotation Instruction
- 2.3 Streams of Automatic Instruction
- 2.4 Automated Summarization and Translation

Unit 3 Standards and Metadata

- 3.1 Standards of Indicative Description: ISBD, MARC, CCF, MARC 21
- 3.2 Metadata: Concept, Use, Purpose, Functions
- 3.3 Overview of Protocols and Features of Different Formats: Templates, Dublin Core, etc.
- 3.4 Use of Metadata
- 3.5 Data Mining and Data Warehousing
- 3.6 Digital Object Identifier (DOI): Concept, Origin, and Appropriation

Unit 4 Data Retrieval Methods and Strategies

- 4.1 Methods of recovery – manual and automated
- 4.2 Strategies: Boolean logic, Building Block search, Citation Pearl Growing, Successive
- 4.3 Facet Strategies, Pair Wise Facet Strategies, Word Proximity, Truncation. directories,
- 4.4 Search tools – Search engines, meta search engines, Subject Directories, Specialized DBs.
- 4.5 Criteria for evaluation of data retrieval methods

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	3	3	3	2	2	2	2	2	2	3	3	2.5	2	---	2	2.00
CO-2	3	3	3	3	2	2	3	2	2	2	3	3	2.58	3	2	3	2.67
CO-3	3	3	3	3	2	2	3	2	2	3	3	3	2.67	3	3	---	3.00
CO-4	3	3	3	3	2	2	3	2	2	3	3	3	2.67	1	2	3	2.00
Avg	3	3	3	3	2	2	2.75	2	2	2.5	3	3		2.25	2.33	2.67	

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy					
CO-1 (Unit: 1)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-2 (Unit: 2)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-3 (Unit: 3)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-4 (Unit: 4)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

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Web & Other Study Resources:
www.Inflibnet.ac.in
www.Sodhganga.com
www.Springerlink.com
https://www.koha-community.org/
https://dspace.org/
https://www.nptel.ac.in/
https://www.ifla.org/
https://libguides.ala.org/
https://librarytechnology.org/
https://www.slideshare.net/

Program –Master of Library & Information Science**Semester- 4**

Course Code	Name of Course	Compulsory
256010449017	Information Technology Application (Practical)	
Credit: 04	Teaching Scheme: Theory (0) - Practical (120)	Teaching Hours: 120

Course Outcomes (COs)

Upon completion of the course, students shall be able to

CO1: Understand the concepts, tools, and advantages of library automation systems.

CO2: Develop practical skills in using library automation software such as SOUL, LIBSYS, ALIS and KOHA.

CO3: Operate modules for managing members, circulation, and generating reports in automated environments.

CO4: Apply internet fundamentals and digitization tools for building digital libraries using software like Greenstone.

Detailed Syllabus**Unit 1** Library Automation

- 1.1 What is Library Automation?
- 1.2 Benefits of Automation
- 1.3 Useful Software in Automation:
- 1.4 SOUL (Software for University Libraries)
- 1.5 LIBSYS
- 1.6 ALIS (Alice)
- 1.7 KOHA
- 1.8 Understanding of SOUL 2.0:
- 1.9 Installation and Different Modules
- 1.10 KOHA Installation and Modules
- 1.11 Membership Management
- 1.12 Direct Entry of Books
- 1.13 Member's Report Generation
- 1.14 Thesis Entry, Issue/Return Processes
- 1.15 Generating Various Reports of Issues

Unit 2 Internet and Digital Resources

- 2.1 What is Internet?
- 2.2 Understanding of URLs
- 2.3 Understanding of INFLIBNET (Information and Library Network)
- 2.4 Understanding of SODHGANGA.COM
- 2.5 Various Search Engines: Google, Khoj, Yahoo, Altavista
- 2.6 What is an E-Journal?
- 2.7 Understanding of Digital Resources: SprigerlinkJ, gateplus, Emerland Insert

Unit 3 Digitization

- 3.1 What is Digitization?
- 3.2 What is a Digital Library?
- 3.3 Benefits of a Digital Library
- 3.4 Understanding of Software Useful in Digitization
- 3.5 Understanding of Greenstone Digital Library Software

Unit 4 Greenstone Digital Library

- 4.1 Downloading and Installing Greenstone
- 4.2 Preparing Repository for Students in Greenstone
- 4.3 Conducting Various Searches in Greenstone

Curriculum Framework - Master of Library & Information Science - 2025

Mapping Matrix of POs, PSOs, and COs																	
COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	2	2	1	2	2	1	1	2	1	2	1.75	2	---	2	2.00
CO-2	3	2	2	3	2	2	3	1	2	2	2	3	2.25	3	2	3	2.67
CO-3	3	2	2	3	2	2	3	1	2	2	2	3	2.25	3	3	---	3.00
CO-4	3	2	2	2	2	3	3	1	2	2	2	3	2.25	1	2	3	2.00
Avg	3	2	2	2.5	1.75	2.25	2.75	1	1.75	2	1.75	2.75		2.25	2.33	2.67	

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy					
CO-1 (Unit: 1)	Lectures, Discussions, Case Studies, Group Work, Hands-on Activities				
CO-2 (Unit: 2)	Lectures, Discussions, Case Studies, Group Work, Hands-on Activities				
CO-3 (Unit: 3)	Lectures, Discussions, Case Studies, Group Work, Hands-on Activities				
CO-4 (Unit: 4)	Lectures, Discussions, Case Studies, Group Work, Hands-on Activities				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

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Web & Other Study Resources:
www.Inflibnet.ac.in
www.Sodhganga.com
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https://www.koha-community.org/
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https://www.ifla.org/
https://libguides.ala.org/
https://librarytechnology.org/
https://www.slideshare.net/

Program –Master of Library & Information Science

Semester- 4

Course Code 256010449018	Name of Course Information Systems and Products	Compulsory
Credit: 04	Teaching Scheme: Theory (60) - Practical (0)	Teaching Hours: 60
Course Outcomes (COs)		
Upon completion of the course, students shall be able to CO1: Understand the structure, functions, and services of national and international information systems. CO2: Analyze services provided by information systems like NISCAIR, DESIDOC, NASSDOC, ENVIS and global organizations like UNESCO, INIS, and MEDLARS. CO3: Create and manage various information products such as newsletters, bulletins, and reports. CO4: Understand the role of information intermediaries and the significance of library consortia in information resource sharing.		
Detailed Syllabus		
Unit 1 Basic Concepts and National Information Systems 1.1 Basic concepts, components, types and characteristics of information systems 1.2 Types of Information Systems (kinds): Libraries, transcription centers, data centers, data banks, information analysis centers, referral centers, clearing houses, archives, transliteration and translation centers - their functions and services 1.3 The concepts, functions and objectives of NATIS and the National Information Policy (NIP). 1.4 Planning the design of the National Information System (NATIS) 1.5 National Information System: NISCAIR, DESIDOC, NASSDOC, ENVIS - Structure, Functions and Services		
Unit 2 Regional and Global Information Systems 2.1 Regional Information Systems: APINNESS and SAARC (SDC) 2.2 Global Information Systems: UNESCO, INIS, AGRIS, INSPEC, MEDLARS, SPINES, ICSU		
Unit 3 Information Products and Services 3.1 Concepts, definitions and types of information products 3.2 Summary magazines, newsletters, bulletins, trend reports and state of the art, ways to prepare reports 3.3 Generate Data VS Services 3.4 Information Services – Bibliographic, Document Delivery, Alert (CAS and SDI) 3.5 Information generation and marketing of services		
Unit 4 Information Intermediaries and Consortia 4.1 Information Intermediaries: DIALOG, STN, Data star, UMI, Silver Platter, BLDSC, ISI 4.2 Library Consortia: Concept, Purpose. Consortia in India: INFONET, INDEST		

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	2	2	2	2	2	1	1	2	2	2	1.92	2	---	2	2.00
CO-2	3	3	2	2	2	2	2	1	1	2	2	2	2	3	2	3	2.67
CO-3	3	2	2	3	2	2	3	1	2	2	2	3	2.25	3	3	---	3.00
CO-4	3	2	2	2	2	3	3	1	2	2	2	3	2.25	1	2	3	2.00
Avg	3	2.25	2	2.25	2	2.25	2.5	1	1.5	2	2	2.5		2.25	2.33	2.67	

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Curriculum Framework - Master of Library & Information Science - 2025

Teaching Pedagogy					
CO-1 (Unit: 1)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-2 (Unit: 2)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-3 (Unit: 3)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
CO-4 (Unit: 4)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops				
Assessment Method					
Continuous Comprehensive Evaluation 40 Marks	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

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- કાનડિયા , પ્રયત્નકર કે. (2009). ગ્રંથાલય અને માહિતી સેવાઓનું માર્કેટિંગ. SREL ના જર્નલ્સ ઓફ ઇન્ફોર્મેશન મેનેજમેન્ટ, વોલ્યુમ. 46. નંબર 4 વીજાણુ માહિતી સ્ત્રોત
- કાનડિયા, પ્રયત્નકર કે , અને પરમાર , મહેશ જી. (2015). ગ્રંથ જ્ઞાન અને માહિતી વિજ્ઞાનનો પાયો, અમદાવાદ: ભારતી બુક ટ્રેડર્સ.
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Web & Other Study Resources:

- http://en.wikipedia.org/wiki/Libraries_and_Information_centres_in_India. Dated 13/1/2018
- http://en.wikipedia.org/wiki/data_bank, Dated 19-2-18
- www.ibizacademy.com/
- [www.mobile.internetmarketing - dictionary.com/info-product](http://www.mobile.internetmarketing-dictionary.com/info-product)
- <https://www.slideshare.net/santosh13101987/information-products>
- www.sellinginfoproduct.com/2005/03/definition-of-information-product.html
- www.nyu.edu/library/bobst/research/tsd/glossary.html
- [http://www.niace.org.uk/product/learning.from_experience / consortia / html](http://www.niace.org.uk/product/learning.from_experience/_consortia_/html)
- Shodhganga.inflibnet.ac.in/bistream/10603/13007/10/10-chapter%201.pdf
- <https://www.researchgate.net/publication/2654-34784>. An overview of th-library consortia-in-India
- <https://www.inflibnet.ac.in>

Program –Master of Library & Information Science

Semester- 4

Course Code 256010449019	Name of Course Library Dissertation	Compulsory
Credit: 04	Teaching Scheme: Theory (60) - Practical (0)	Teaching Hours: 60

Course Outcomes (COs)

Upon completion of the course, students shall be able to

CO1: Identify and define research problems in the field of Library and Information Science.

CO2: Demonstrate depth of knowledge and understanding in research through project execution and reporting.

CO3: Develop the capability to pursue higher research in the field of LIS.

CO4: Apply practical approaches in conducting research and solving LIS-related problems.

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	2	2	2	2	2	2	1	1	2	2	2	1.92	2	---	2	2.00
CO-2	3	3	2	2	2	2	2	1	1	2	2	2	2	3	2	3	2.67
CO-3	3	2	2	3	2	2	3	1	2	2	2	3	2.25	3	3	---	3.00
CO-4	3	2	2	2	2	3	3	1	2	2	2	3	2.25	1	2	3	2.00
Avg	3	2.25	2	2.25	2	2.25	2.5	1	1.5	2	2	2.5		2.25	2.33	2.67	

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

CO-1 (Unit: 1)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops
CO-2 (Unit: 2)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops
CO-3 (Unit: 3)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops
CO-4 (Unit: 4)	• Lectures, Case Studies, Group Discussion, Guest lecturers, Workshops

Assessment Method

	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
Continuous Comprehensive Evaluation 40 Marks	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			

References

- Kumar, P. S. G. (2003). *Foundation of Library and Information Science*. Delhi: B. R. Publishing Corporation.
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- Singh, J. (2011). *Library and Information Science Research Methodology*. New Delhi: EssEss Publications.
- Singh, M. P. (2007). *Research Methodology in Library and Information Science*. New Delhi: Concept Publishing Company.
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- Verma, R. (2014). *Library and Information Science Research Methodology*. New Delhi: Atlantic Publishers.
- Yadav, B. S. (2016). *Research Methodology and Statistical Techniques*. New Delhi: Cyber Tech Publications

Web & Other Study Resources:

- <https://shodhganga.inflibnet.ac.in/>
- <https://ndl.iitkgp.ac.in/>
- <https://www.researchgate.net/>
- <https://scholar.google.com/>
- <https://epgp.inflibnet.ac.in/>
- <https://www.scribbr.com/>
- <https://owl.purdue.edu/>
- <https://www.jstor.org/>
- <https://libguides.ala.org/>
- <https://www.citethisforme.com/>

Program –Master of Library & Information Science
Semester- 4

Course Code 256010449020	Name of Course Library Internship	Compulsory
Credit: 04	Teaching Scheme: Theory (0) - Practical (30 days)	Teaching Hours: 30 days

Course Outcomes (COs)

Upon completion of the course, students shall be able to

CO1: Gain practical experience by applying LIS knowledge in real-world library settings.

CO2: Understand the societal role and contributions of libraries to different aspects of development.

CO3: Solve practical problems encountered in day-to-day library operations.

CO4: Develop familiarity with professional environments and build connections within the LIS profession.

Mapping Matrix of POs, PSOs, and COs

COs	POs													PSOs			
	1	2	3	4	5	6	7	8	9	10	11	12	Avg	1	2	3	Avg
CO-1	3	3	3	3	2	2	2	3	3	3	3	3	2.75	2	---	2	2.00
CO-2	3	3	2	2	2	2	2	3	2	2	2	3	2.33	3	2	3	2.67
CO-3	3	2	3	3	2	2	2	3	2	3	2	3	2.5	3	3	---	3.00
CO-4	3	2	3	3	2	2	2	3	2	3	3	3	2.58	1	2	3	2.00
Avg	3	2.5	2.75	2.75	2	2	2	3	2.25	2.75	2.5	3		2.25	2.33	2.67	

3 = Strong Contribution, 2 = Moderate Contribution, 1 = Slight Contribution, --- = No Significant Contribution

Teaching Pedagogy

Library work for 30 days in Reputed institute.

Assessment Method

	COs	Marks	Exam Component		
			Class Test	Assignment	Presentation
Continuous Comprehensive Evaluation 40 Marks	CO-1	10	5	5	--
	CO-2	10	5	--	5
	CO-3	10	5	5	--
	CO-4	10	5	--	5
	CO-4	10	5	--	5
Term-End Evaluation 60 Marks	COs	Marks	Exam Component		
	CO-1	15	Term End Examination		
	CO-2	15			
	CO-3	15			
	CO-4	15			



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