क्रमांक / २१ ६७ / ग्रंथा. सू.वि.अ. / 2025   रायपुर, दिनांक 05 / 04 / 2025

प्रति,

उपकुलसचिव (अकादमी)
पं. रविशंकर शुक्ल विश्वविद्यालय,
रायपुर (छ.ग.)

विषय :–   एम.लिब. आई.एससी. के सत्र 2024–25 में पाठ्यक्रम संरचना वाले पृष्ठ पर Indian Knowledge System जोड़ने विषयक।

महोदय,

विषयांतर्गत लेख है कि एम. लिब. आई एससी. के द्वितीय सेमेस्टर के Skill Enhancement / Value Added Courses में Indian knowledge System पेपर जुड़ा हुआ है। जिसका सिलेबस हार्ड एवं साफ्ट कॉपी में आवश्यक कार्यवाही हेतु आपकी ओर प्रेषित है –

संलग्न :– पाठ्यक्रम।

विभागाध्यक्ष,
HEAD
SoS IN LIBRARY &
INFORMATION SCIENCE
ग्रंथालय एवं सूचना विज्ञान अध्ययनशाला
PT. RAVISHANKAR SHUKLA
UNIVERSITY, RAIPUR (C. G.)

School of Studies in Library and Information Science

Pt. Ravishankar Shukla University, Raipur (C.G)

CURRICULUM & SYLLABI

(Based on CBCS & LOCF)

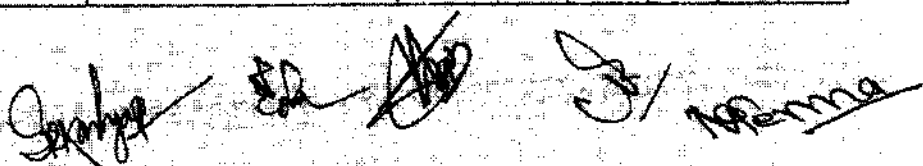**Master of Library and Information Science**

Semester System

(Two Semester)

Session: 2024-2025 & onwards

Approved by	Board of Studies	Academic Council
Date:		

M Lib & I Sc

Programme Structure

Semester	Course Nature	Courses Code	Course Title	Course Type (T/P)	Hrs/ Week	Credits	Marks		
							CIA	ESE	Total
Semester 1	Core	101FIS	Foundation of Information science	T	6	5	25	75	100
	Core	102KIP	Knowledge Organization & Information Processing	T	6	5	25	75	100
	Core	103RMS	Research Methods & Statistical Techniques	T	6	5	25	75	100
	Core	104MIC	Management of Library & Information Centres/Institution	T	6	5	25	75	100
	Core	105IP1	Information Processing and Retrieval (Practice-I)	P	12	4	25	75	100

Semester	Course Nature	Courses Code	Course Title	Course Type (T/P)	Hrs/ Week	Credits	Marks		
							CIA	ESE	Total
Semester 2	Core	201IR	Information Retrieval	T	6	5	25	75	100
	Core	202ISP	Information Sources Products and Services	T	6	5	25	75	100
	Core	203IT	Information Technology: Basics & Applications	T	6	5	25	75	100
		204MIS	Management information systems	T	6	5	25	75	100
		205 IS	Information System	T	6	5	25	75	100
		206 ALIS	Academic Library and Information Systems	T	6	5	25	75	100
	Elective I (Select any 1)	207 AMAIS	Archival, Museum and Archaeological Information System	T	6	5	25	75	100
		208 AIS	Agricultural Information Systems	T	6	5	25	75	100
		209 LIS	Legal Information Systems	T	6	5	25	75	100
		210 IIS	Industrial Information Systems	T	6	5	25	75	100
	Core	211 IP2	Information Processing & Retrieval (Practice – II)	P	12	4	25	75	100
			Internship	P	60/2	2			

Generic Elective Courses: (Offered to PG students of other Departments/SoS only)

Semester	Course Code	Course Title	Course Type (T/P)	Hrs/ Week	Credits	Marks		
						CIA	ESE	Total
II	206 CBCS	Library and Information Services	T	2	2	25	75	100
III	207 CBCS	Library and Information Sources	T	2	2	25	75	100

Skill Enhancement/Value Added Courses: (Offered to the PG students of SoS in Library and Information Science)

Semester	Course Code	Course Title	Course Type (T/P)	Hrs/ Week	Credits	Marks		
						CIA	ESE	Total
I	208 LMS	Library Management Software: SOUL & KOHA	P	4	2	25	75	100
II	209 IKS	Indian Knowledge System	T	4	2	25	75	100

M. Lib I Sc	1	1
101FIS	FOUNDATION OF INFORMATION SCIENCE	Core
5	5	1	0
100	25	75

Learning Objectives (LO):

The course aims to equip students with a deep understanding of Information Science, Communications concepts, particularly its development and user need in Libraries. It enables them to generate and gather information but also prepare them for a dissemination of information.

Course Outcomes:

1	Explain Information Science- Scope, Objectives, Genesis and development, Information Science as a discipline and its relationship with other subject fields, Information industry- Generators, Providers and intermediaries.	U
2	Describe Information and communication. Information: Characteristics, Nature and use of information, Conceptual difference between data, Information and Knowledge, Information Literacy and their models (SCONUL), Communication of Information, Scholarly Communication: Open Access, Open education resources, Creative commons, Information generation and diffusion, Communication channels barriers and Models: Shanon-Weaver model, Dance Helical model and other models.	AP
3	Explain and describe Information and the state- Policies relating to information including science and technology and education. International and national programs and policies (NAPLIC), IT and library, UAP, UBC, Laws relating to information with special reference to India, including press and registration act, Delivery of books (public Libraries) Act, Copyright Act and Plagiarism.	AP
4	Describe and evaluate Information user & their needs- Categories of information users, Information needs' definition and models, Information seeking behavior, Methods and techniques of user studies, Evaluation of user studies.	An
5	Explain Information products- Information products: Nature, concept, types, design and development and marketing, Economics of information, Information management, Knowledge management.	U

CL: Cognitive levels (R-Remember, U-Understanding, Ap-Apply, An-Analyze, E-Evaluate, C-Create)

6

CO-PO/PSO Mapping for the course:

CO\PO																
	3	3	2	1	2	3	3	-	3	3	2	3	2	3	1	2
	3	3	1	3	2	-	3	2	-	3	3	2	1	3	2	3
	3	3	1	2	3	-	1	3	2	2	1	2	3	2	2	3
	3	3	2	3	-	2	3	1	2	3	3	1	3	3	2	1
	3	3	3	1	2	3	-	2	1	1	2	3	2	2	3	+

"3" – Strong; "2" – Moderate; "1" – Low; "-" No Correlation

Detailed Syllabus:

1	Information Science – Scope, Objectives, Genesis and development. Information Science as a discipline and its relationship with other subject fields. Information industry- Generators, Providers and intermediaries.	10	1
2	Information and communication. Information: Characteristics, Nature and use of information. Conceptual difference between data. Information and Knowledge. Information Literacy and their models (SCONUL). Communication of Information. Scholarly Communication: Open Access. Open education resources. Creative commons. Information generation and diffusion. Communication channels barriers and Models: Shanon-Weaver model, Dance Helical model and other models.	15	2
3	Information and the state- Policies relating to information including science and technology and education. International and national programs and policies (NAPLIC). IT and library. UAP, UBC. Laws relating to information with special reference to India, including press and registration act. Delivery of books (public Libraries) Act, Copyright Act and Plagiarism.	17	3
4	Information user & their needs- Categories of information users. Information needs; definition and models. Information seeking behavior. Methods and techniques of user studies. Evaluation of user studies.	11	4
5	Information products- Information products: Nature, concept, types, design and development and marketing. Economics of information. Information management. Knowledge management.	09	5

Books Recommended:
1. Kumar, P.S.G., Foundation of library and information science, B.R. publishing corporation, Delhi, 2003.
2. Narh, Bhola and Pandey, Rajesh, foundation of library and information science, Anis Books Pvt. Ltd., New Delhi, 2013
3. त्रिपाठी, एस.एम. प्रलेखन एवं सूचना सेवाएँ तथा नेटवर्क खण्ड 2 : सूचना प्रणालियाँ एवं नेटवर्क, वाई. के. पब्लिशर्स, आगरा. Reprint – 2004.
4. त्रिपाठी, एस.एम. प्रलेखन एवं सूचना सेवाएँ तथा नेटवर्क खण्ड 1 : सूचना प्रणालियाँ एवं नेटवर्क, वाई. के. पब्लिशर्स, आगरा. Reprint – 2004.

Reference Books:
1. शर्मा, बी. के. एवं ठाकुर, यू.एम., पुस्तकालय, सूचना विज्ञान एवं सूचना प्रौद्योगिकी विवेचनात्मक अध्ययन, वाई. के. पब्लिशर्स, आगरा, 1st ed. 2011
2. सैनी, ओम प्रकाश, ग्रंथालय एवं समाज, वाई. के. पब्लिशर्स, आगरा, भत्तमुद्रण – 2012, 1st ed.
3. शर्मा, प्रह्लाद, पुस्तकालय एवं सूचना विज्ञान, युनिवर्सिटी पब्लिकेशन्स, जयपुर

Master of Library and Information Science Semester-1

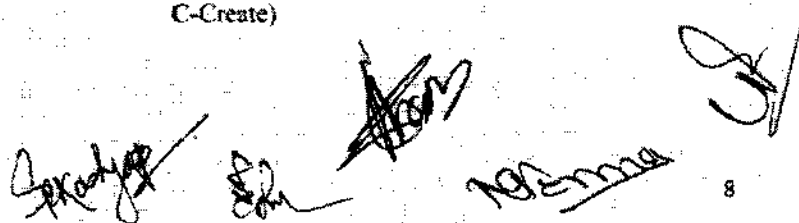| M. Lib I Sc		1	1
102KIP	**KNOWLEDGE ORGANISATION & INFORMATION PROCESSING**		Core
5	5	1	0
100		25	75

Learning Objectives (LO):

The aims of this course equip students with a deep understanding of Universe of knowledge its structure, attributes, enables them to understand modes of formation of subjects. It makes them to understand the principles, postulates of facet sequence and recent trend and development of classification.

Course Outcomes:

1	Explain Universe of Knowledge- Structure and attributes, Modes of formation of subjects, Different types of subjects and their modes of formation. Universe of Knowledge as mapped in different schemes of classification.	U
2	Describe Methods of knowledge organization- Canons and normative principles of sayers and Ranganathan of classification, Species of Library Classification schemes, Standard schemes of library classification: Introduction, features and application-CC, DDC, & UDC.	AP
3	Explain Universal and special schemes of classification, Abstract classification. Describe Choice of schemes of classification, Study of categories postulated by different classificationists for grouping ideas, Postulates & Principles for facet sequence, Telescoping of facets.	U
4	Explore Notation- Notation: Types, Structure & qualities, canons of notation, Mnemonics- Types and canons, Indicator digits, Zone analysis and sector notation, Canons for book classification, Systems of book number.	U
5	Explain Recent Trends & Developments- Design and development of a Scheme of library classification, Role of DRTC, CRG and FID, Contribution of International Conferences towards classification research, BSO: Salient features.	AP

CL: Cognitive levels (R-Remember, U-Understanding, Ap-Apply, An-Analyze, E-Evaluate, C-Create)

CO-PO/PSO Mapping for the course:

PO / CO																
	3	3	3	1	2	3	3	-	3	3	2	3	2	3	1	2
	3	3	3	2	2	-	3	2	2	3	3	3	1	3	-	3
	3	3	3	2	3	1	1	3	2	2	1	2	3	2	2	1
	3	3	2	3	-	2	3	1	2	-	3	1	-	3	2	1
	3	3	3	1	2	3	-	2	1	1	2	3	2	2	3	-

"3" – Strong; "2" – Moderate; "1" – Low; "-" No Correlation

Detailed Syllabus:

1	Universe of Knowledge- Structure and attributes, Modes of formation of subjects, Different types of subjects and their modes of formation. Universe of Knowledge as mapped in different schemes of classification.	12	1
2	Methods of knowledge organization- Canons and normative principles of sayers and Ranganathan of classification, Species of Library Classification schemes. Standard schemes of library classification: Introduction, features and application-CC, DDC, & UDC.	15	2
3	Universal and special schemes of classification, Abstract classification. Choice of schemes of classification, Study of categories postulated by different classificationists for grouping ideas, Postulates & Principles for facet sequence, Telescoping of facets.	18	3
4	Notation- Notation: Types, Structure & qualities, canons of notation, Mnemonics- Types and canons, Indicator digits, Zone analysis and sector notation, Canons for book classification. Systems of book number.	11	4
5	Recent Trends & Developments- Design and development of a Scheme of library classification, Role of DRTC, CRG and FID. Contribution of International Conferences towards classification research, BSO, Salient features.	13	5

Books Recommended:

1. Sharma, B.K, Thakur, U.M, Tripathi, Manish, Khan, Aslam, Knowledge Organisation and Information Retrieval: Theory. Y.K Publishes, 2015.
2. Dhyani, Pushpa. Library Classification. Neha Publishers & Distributors [Ess Ess], 2016.
3. Sood, S.P, Sharma, Prahalad. Library Classification. University Publication, Jaipur.
4. Champavat, G.S. Theory of Library Classification. Raj Publishing House, Jaipur,1993.
5. Kishan Kumar, Theory of Library Classification. Vikas publishing House Pvt. Ltd., New Delhi.
6. Rout, R. K. and Satpathy, S.K., Library Classification. Knowledge Industry Publications Co. Bhubaneswar.

M. Lib I Sc		1		1
103RMS	RESEARCH METHODS & STATISTICAL TECHNIQUES		Core	
5	5		1	0
100	25			75

Learning Objectives (LO):

The aims of this course are to make students understanding of Research its methods, design. It enables them to use research tools and techniques. These topics help them to understand hypothesis and testing of hypothesis, content analysis, citation and its analysis.

Course Outcomes:

1	Explain Research- Concept, Meaning, need and process of research, Types of Research- Fundamental and Applied, Research Design- Types of research design, Identification and formulation of problem, Hypotheses.	U
2	Describe Research methods- Scientific, Historical, Descriptive, Survey and case study methods, Experimental method and Delphi Method, Research techniques & Tools- Questionnaire, Schedule interview, Observation and sampling techniques.	AP
3	Explain Data analysis and Interpretation- Descriptive Statistics- Measures of central tendencies- Mean, Median, Mode, Tabulation and generalization, Standard Deviation and Correlation, Testing of hypotheses.	E
4	Describe Bibliometrics, Informatrics & Scientometrics- Concept definition and their scope, Evaluate Bibliometrics laws- Bradford, Zipf, Lotka, Content analysis, Sociometry, Altmetrics and Webometrics, Citation studies- Citation-nature and definition, Citation-theory and analysis, Offset weight age formula of Sengupta.	AP
5	Explain Research reporting- Designing research proposal- Structure, Style, Contents & Guidelines for Research reporting, Report writing, Standards for citing bibliographical references (Like Chicago manual, MLA, APA & Indian standards), Current trends in library and information science research.	AP

CL: Cognitive levels (R-Remember, U-Understanding, Ap-Apply, An-Analyze, E-Evaluate, C-Create)

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CO-PO/PSO Mapping for the course:

CO \ PO																
	3	3	2	1	2	3	3	2	3	3	2	3	2	3	1	2
	3	3	2	3	2	2	3	2	-	3	3	2	1	3	2	2
	3	3	3	2	3	-	1	3	3	2	1	3	3	2	2	-
	3	3	3	3	-	2	3	-	2	3	3	1	-	-	2	1
	3	3	2	1	2	1	-	2	1	2	2	3	2	2	3	1

"3" – Strong; "2" – Moderate; "1" – Low; "-" No Correlation

Detailed Syllabus:

1	Research- Concept, Meaning, need and process of research. Types of Research- Fundamental and Applied. Research Design- Types of research design, Identification and formulation of problem, Hypotheses.	15	1
2	Research methods- Scientific, Historical, Descriptive, Survey and case study methods, Experimental method and Delphi Method, Research techniques & Tools- Questionnaire, Schedule interview, Observation and sampling techniques.	14	2
3	Data analysis and Interpretation- Descriptive Statistics- Measures of central tendencies- Mean, Median, Mode, Tabulation and generalization, Standard Deviation and Correlation, Testing of hypotheses.	12	3
4	Bibliometrics, Informatrics & Scientometrics- Concept definition and their scope, Bibliometrics laws- Bradford, Zipf, Lotka, Content analysis, Sociometry, Altmetrics and Webometrics. Citation studies- Citation-nature and definition. Citation-theory and analysis. Offset weight age formula of Sengupta.	19	4
5	Research reporting- Designing research proposal- Structure, Style, Contents & Guidelines for Research reporting. Report writing, Standards for citing bibliographical references (Like Chicago manual, MLA, APA & Indian standards). Current trends in library and information science research.	18	5

Books Recommended:

1. सिन्हा, सुरेश चन्द्र एवं अलका रानी, पुस्तकालय अनुसन्धान पद्धति : एक अध्ययन, एस एस पब्लिकेशन, दिल्ली, 2010.
2. शर्मा, सुरेन्द्र, रिसर्च मैथडोलोजी, नेहा पब्लिशर्स, दिल्ली, 2007.
3. जैन, बी एम, रिसर्च मैथडोलोजी, रिसर्च पब्लिकेशन, जयपुर, 2012.
4. वोहरा, वंदना, रिसर्च मैथडोलोजी, ओमेगा पब्लिकेशन, दिल्ली, 2009.
5. राय, पारसनाथ, अनुसन्धान परिचय, लक्ष्मी नारायण अग्रवाल, आगरा, 2012.

Master of Library and Information Science Semester-1

M. Lib I Sc	I	I
104MIC	**MANAGEMENT OF LIBRARY & INFORMATION CENTRES/INSTITUTION**	Core
5	5	1	0
100	25	75

Learning Objectives (LO):

The objective of this course is to develop a deep knowledge on Management of library and Information centres its concept, functions, principles of Scientific management and different management systems. This course makes them proficient in managing libraries and information centres.

Course Outcomes:

1	Explain Management styles and approaches, Management schools of thought, Its Functions and Principles of Scientific Management, Human Resource Management- Organization structure, Job analysis and description; Job evaluation, Motivation Theory.	U
2	Describe Financial Management- Resource mobilization, Budgeting technique & methods; PPBS, Zero based budgeting etc, Budgetary control, Cost effectiveness and cost benefit analysis, Total Quality Management (TQM)- Definition, Concept & elements of TQM and quality audit.	AP
3	Explain and describe System Analysis and Design- Concept and characteristics, Library as a system, Project management, PERT/CPM, Decision tables, DFD (Data Flow Diagram), Work study: Flow chart, Gantt chart, Block diagrams.	U
4	Describe Planning- Concept, Definition, Need, Purpose, Types, Policies and Procedures, MBO, MBE Strategic management- Definition objectives, Policies process & models of strategic management, SWOT analysis.	AN
5	Explain Managing Change and describe Concept of change: changes in procedures, method, Use of new tools and techniques; Techniques of managing change, Collection development and management- Policies and procedures, Time and motion study, Marketing mix and their models.	U

CL: **Cognitive levels (R-Remember, U-Understanding, Ap-Apply, An-Analyze, E-Evaluate, C-Create)**

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CO-PO/PSO Mapping for the course:

PO\CO																
3	3	3	2	2	3	3	-	3	3	2	3	2	3	1	2
3	3	3	3	3	2	3	2	1	3	2	2	1	3	2	3
3	3	3	-	3	3	1	3	2	2	1	2	3	1	2	3
3	3	3	-	1	2	3	1	2	3	1	1	3	3	-	-
3	3	3	1	2	3	-	2	-	1	2	3	2	2	3	-

"3" – Strong; "2" – Moderate; "1" – Low; "-" No Correlation

Detailed Syllabus:

1	...management styles... schools of thought, Functions and Principles of Scientific Management, Human Resource Management- Organization structure, Job analysis and description; Job evaluation, Motivation Theory.	18	1
2	Financial Management-Resource mobilization, Budgeting technique & methods; PPBS, Zero based budgeting etc, Budgetary control, Cost effectiveness and cost benefit analysis, Total Quality Management (TQM)- Definition, Concept & elements of TQM and quality audit.	20	2
3	System Analysis and Design-definition, Concept and characteristics, Library as a system, Project management, PERT/CPM, Decision tables, DFD (Data Flow Diagram), Work study; Flow chart, Gantt chart, Block diagrams.	16	3
4	Planning-Concept, Definition, Needs, Purpose, Utility, Policies and Procedures, MBO, MBE; Strategic management- Definition, objectives, Policies process & models of strategic management, SWOT analysis.	12	4
5	Managing Change-Concept of change; changes in procedures, method, Use of new tools and techniques; Techniques of managing change, Collection development and management- Policies and procedures, Time and motion study, Marketing mix and their models.	15	5

Books Recommended:

1. PSG Kumar, Management of library and Information centres, B.R. Publishing, 2004.
2. Dr. I.V. Malhan, Dr. A.S. Chandel, Dr. MP Satija, H R M in libraries and Information centers, 2016.
3. Edward Evans, Management Technique in libraries.
4. श्याम सुन्दर अग्रवाल, ग्रंथालय प्रबंधन के मूल तत्व, Raj Publishing.
5. पृथ्वीराज यदुवंशी, पुस्तकालय सूचना प्रबंधन प्रणाली, University Publication, 2014.

Reference Books:

1. Dr. R.k. Singh, Sunita Sengar, पुस्तकालय प्रबंध, University Publication, 2007.
2. S.M. Tripathi, V.K. Sharma, C. Lal, K Kumar, ग्रंथालय प्रबंध.
3. S.D. Vyas, पुस्तकालय प्रबंध.
4. R. L. Mittal, Library administration: theory and practice.
5. P. N. Reddy, P.C. Tripathi, Principles of Management.

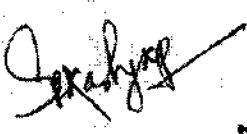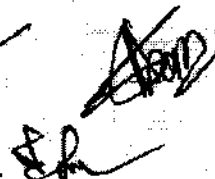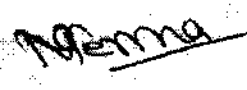| M. Lib I Sc		1	1
105IPI	INFORMATION PROCESSING AND RETRIEVAL (PRACTICE-I)		Core
5	0	2	10
100	25		75

Learning Objectives (LO):

This course provides students with an understanding of library classification with simple, compound, and complex subjects. Using standard subdivisions/common isolates/auxiliary tables, create class numbers. Utilize the index of the classification scheme to compile book numbers and describe practical classification steps.

Course Outcomes:

1	Explain Universal Decimal Classification (UDC)- Classification of documents with simple subjects, Classification of documents with compound subjects, Classification of documents with complex subjects using common and special auxiliary subdivisions.	AP
2	Describe Colon Classification (CC)- Classification of documents with complex subjects using common isolates/language isolates/time isolates and space isolates from schedules.	AP
3	Explain UDC and CC both- Classification of documents using UDC and CC with simple, compound and complex subjects.	U

CL: Cognitive levels (R-Remember, U-Understanding, Ap-Apply, An-Analyze, E-Evaluate, C-Create)

14

CO-PO/PSO Mapping for the course:

PO CO															
	3	3	3	1	2	3	-	-	3	3	2	3	2	3	3	2
	3	3	3	3	2	2	-	2	-	3	3	2	1	2	2	3
	3	3	3	2	3	2	-	3	2	2	1	2	3	2	2	1

"3" – Strong; "2" – Moderate; "1" – Low; "-" No Correlation

Detailed Syllabus:

1	Universal Decimal Classification (UDC)- Classification of documents with simple subjects. Classification of documents with compound subjects. Classification of documents with complex subjects using common and special auxiliary subdivisions.	16	1
2	Colon Classification (CC)- Classification of documents with complex subjects using common isolates/language isolates/time isolates and space isolates from schedules.	15	2
3	UDC and CC both- Classification of documents using UDC and CC.	18	3

Books Recommended:

1. PSG, Minor Practical Guide to Colon Classification 2011
2. Khanna, J. K. UDC (Universal Decimal Classification), Y.K. Publishers, 2008.
3. ...., K.P. UDC: A Manual for Classification Practical and Information Resources, Today & Tomorrow's Printers and Publishers, New Delhi, 2012.
4. Singh, Mangani Parsad, Colon Classification in Library Science, R.K. Publishers & Distributors, 2019.

Reference Books:

1. Universal Decimal Classification, International Medium Edition, FID Publication No. 571, Great Britain by Butter & Tanner Ltd.
2. Raju, A. A. N. Universal Decimal Classification: Theory and Practice. Ess Ess Publication, Delhi, 2007.
3. Sehgal R. L. An Introduction to Universal Decimal Classification. Ess Ess Publication, Delhi, 2002.
4. Bose, H. Universal Decimal Classification: Theory and Practice. Sterling Publication, Delhi, 1987.

Master of Library and Information Science Semester-3

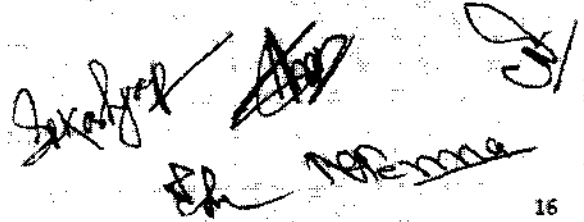| M. Lib.I Sc		1	2
2011R	INFORMATION RETRIEVAL		Core
5	5	1	0
100	25		75

Learning Objectives (LO):

The objective of this course is to gain an understanding of library catalogue, subject analysis, and representation. At the end of the course, they will be competent in indexing language and vocabulary control and know how to retrieve information.

Course Outcomes:

1	Explain Subject analysis and representation- Problems of subject analysis and representation. Contributions of cutter, Ranganathan, Farradane and Coates, Principles of subject cataloguing- Assigning Subject-Headings using library of Congress subject headings and sears list of subject heading etc.	U
2	Explain Indexing language and vocabulary control- Indexing languages- Types and characteristics, Vocabulary control- Tools of vocabulary control, Thesaurus- Structure and construction of an IR Thesaurus, Thesaurofacet, Trends in automatic indexing, Recall and Precision devices in indexing languages.	U
3	Explain and describe Indexing systems- Pre coordinate and post coordinate indexing system, Outline study of the following indexing systems, KWIC, KWOC, Chain Indexing, PRECIS, POPSI, Uniterm indexing, Citation indexing, Standards for Bibliographical Description: AACR-2, ISBD, MARC(Format), CCF, ISO.	AP
4	Explore Information Retrieval Systems- Definition, Types, Components and operational stages of IRS, Information Retrieval- Data Base, Information base and SQL, IR Models, Search Process- Principles & methods of searching, Search Techniques- Boolean searches On-line searching techniques and retrieval.	U
5	Evaluate Information retrieval systems evaluation- Data Mining, Artificial Intelligence and Man-Machine-Interface, Information retrieval through optical media and CD-ROM data base, IR through OPAC and Internet.	AP

CL: Cognitive levels (R-Remember, U-Understanding, Ap-Apply, An-Analyze, E-Evaluate, C-Create)

CO-PO/PSO Mapping for the course:

PO / CO																
3	3	3	-	1	3	3	-	3	3	3	3	1	3	1	3
3	3	2	3	2	1	3	-	2	1	3	2	1	3	3	2
3	3	2	2	2	2	1	2	2	1	1	-	3	-	2	2
3	3	3	3	-	2	3	1	-	3	2	1	3	-	2	1
3	3	1	3	2	-	-	2	1	-	2	3	2	2	3	1

"3" – Strong; "2" – Moderate; "1" – Low; "-" No Correlation

Detailed Syllabus:

1	Subject analysis and representation- Problems of subject analysis and representation. Contributions of cutter, Ranganathan, Farradane and Coates, Principles of subject cataloguing- Assigning Subject-Headings using library of Congress subject headings and sears list of subject heading etc.	18	1
2	Indexing language and vocabulary control- Indexing languages- Types and characteristics. Vocabulary control- Tools of vocabulary control. Thesaurus- Structure and construction of an IR Thesaurus, Thesaurofacet. Trends in automatic indexing, Recall and Precision devices in indexing languages.	20	2
3	Indexing systems- Pre-coordinate and post-coordinate indexing system. Outline study of the following indexing systems, KWIC, KWOC, Chain Indexing, PRECIS, POPSI, Uniterm indexing, Citation indexing, Standards for Bibliographical Description: AACR-2, ISBD, MARC(Format), CCF, ISO.	22	3
4	Information Retrieval Systems- Definition, Types, Components and operational stages of IRS, Information Retrieval- Data Base, Information base and SQL, IR Models, Search Process- Principles & methods of searching, Search Techniques- Boolean searches On-line searching techniques and retrieval.	16	4
5	Information retrieval systems evaluation- Data Mining, Artificial Intelligence and Man-Machine Interface, Information retrieval through optical media and CD-ROM database, IR through OPAC and Internet.	12	5

Books Recommended:

1. Charles T. Meadow, Bert R. Boyce, Donald H. Kraft. Text Information Retrieval Systems (Library and Information Science). Academic Press, 1999.
2. P. Balasubramanian, N. Vasanthakumar. Information Processing and Retrieval - In Library and Information Science. Regal Publications, 2015.

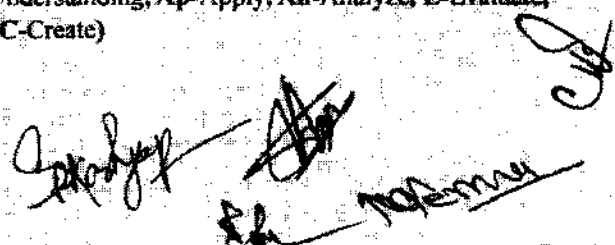| M. Lib I Sc		1	2
2021SP	INFORMATION SOURCES, PRODUCTS AND SERVICES		Core
5	5	1	0
100	25		75

Learning Objectives (LO):

The course aims to provide students with a deep understanding of information sources, products, and services. It will provide students with a solid understanding of the concept, types, and nature of information products as well as user education.

Course Outcomes:

1	Explain Information sources- Documentary sources of information, Print, Non-print including Electronic Nature, Characteristics, Utility and evaluation of different types of information sources, Non-Documentary Information sources, Human and institutional -- Nature, Types, Characteristics and utility. Internet as a source of information.	U
2	Describe Information services- Information services- Concepts, Definition need and trends, Techniques and evaluation of alerting services (CAS & SDI). Bibliographic, Referral, Document delivery and translation services.	AP
3	Explain and describe Information Products- Information products- Nature, Concept, Types, Design and marketing. Abstracting, Types and guidelines in preparing abstracts, Study and evaluation of important abstract periodicals information analysis, Repackaging and consolidation.	AP
4	Evaluate User Educations- Goals and objectives, Levels, Technique and methods, Reference interview and search techniques, Resource sharing and library networking, Study of Indonet, Inflibnet, Calibnet, Nicnet, Delnet, Adinet, Malibnet.	U
5	Explain International information system and network, AGRIS, BIOSIS. CAS, DEVSIS, ICSU, INIS, INSPEC, MEDLARS.	U

CL: Cognitive levels (R-Remember, U-Understanding, Ap-Apply, An-Analyze, E-Evaluate, C-Create)

CO-PO/PSO Mapping for the course:

PO / CO																
	3	3	2	3	2	3	3	1	3	3	2	3	2	-	1	2
	3	3	2	3	-	1	2	2	-	1	3	1	1	3	2	1
	3	3	2	2	3	-	1	2	3	2	2	2	3	2	-	2
	3	3	2	1	1	2	3	1	2	3	3	1	1	3	2	1
	3	3	2	1	2	2	-	3	3	2	3	3	2	2	3	2

"3" – Strong; "2" – Moderate; "1" – Low; "-" No Correlation

Detailed Syllabus:

1	Information sources- Documentary sources of information, Print, Non-print including Electronic Nature, Characteristics, Utility and evaluation of different types of information sources. Non-Documentary Information sources; Human and institutional – Nature, Types, Characteristics and utility. Internet as a source of information.	18	1
2	Information services- Information services- Concepts, Definition need and trends. Techniques and evaluation of alerting services (CAS & SDI), Bibliographic, Referral, Document delivery and translation services.	15	2
3	Information Products- Information products- Nature, Concept, Types, Design and marketing, Abstracting, Types and guidelines in preparing abstracts, Study and evaluation of important abstract periodicals information analysis, Repackaging and consolidation.	16	3
4	User Educations- Goals and objectives, Levels, Technique and methods, Reference interview and search techniques, Resource sharing and library networking, Study of Indonet, Inflibnet, Calibnet, Nicnet, Delnet, Adinet, Malibnet.	12	4
5	International information system and network, AGRIS, BIOSIS, CAS, DEVSIS, ICSU, INIS, INSPEC, MEDLARS.	09	5

Text Books:
1. शर्मा, प्रहलाद, पुस्तकालय संदर्भ सेवा, यूनिवर्सिटी पब्लिकेशन, जयपुर.
2. शर्मा, बी.के. एवं ठाकुर, पू. एम. पुस्तकालय सूचना विज्ञान एवं सूचना प्रौद्योगिकी, वाई. के. पब्लिशर्स, आगरा.
3. सूद, एस. पी., प्रलेखन एवं सूचना विज्ञान, राज पब्लिशिंग हाऊस, जयपुर.
4. शर्मा, प्रहलाद, पुस्तकालय प्रबंध, यूनिवर्सिटी पब्लिकेशन, जयपुर.

Reference Books:
1. त्रिपाठी, एस. एम. प्रलेखन एवं सूचना सेवाएँ तथा नेटवर्क, खण्ड –1, वाई. के. पब्लिशर्स, आगरा.
2. त्रिपाठी, एस. एम. प्रलेखन एवं सूचना सेवाएँ तथा नेटवर्क, खण्ड –2, वाई. के. पब्लिशर्स, आगरा.
3. जैन पवन, एवं पवन कुमार मुक्ता, संदर्भ सेवा एवं सूचना स्त्रोत, आर. बी. एस. ए. पब्लिशर्स, जयपुर.

Master of Library and Information Science Semester-2

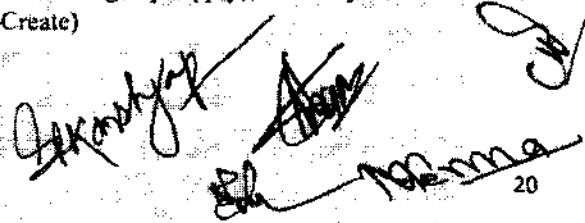| M. LIB I Sc	1	2
203IT	**INFORMATION TECHNOLOGY BASICS & APPLICATION**	Core
5	5	1	0
100	25	75

Learning Objectives (LO):

The aims of this course to develop understanding of computer structure and its functions. implement a process of automating and planning library housekeeping operations and learning about library management software and services. Understand computer networking, the Internet, search engines, data and network security issues relevant to libraries, and library networks' functionality.

Course Outcomes:

1	Explain Information Technology need, scope and objectives, Historical background of computers, Generation of computers, Architecture CPU, Input/output devices, Hardware and software, Operating system-Ms-windows, UNIX, MS-DOS.	U
2	Describe Networking- Types of networks-LAN, WAN, MAN, Local Area Networks, LAN Topologies, Network Hardware- Network interface card, hubs/switches, Gateways/Bridges, routes, modem, OSI model, Network Protocols-TCP/IP, Net-BUI, IPX and OSI layer.	AP
3	Describe Internet-Basic features and tools- Connectivity- Dialup, Leased lines, Microwave, ISDN, Digital Subscriber Lines (DSL), E-mail-Protocols- Telnet, FTP, HTTP, Web browsers, Web servers, Search Engines, Meta Search, Web design-SGML, HTML, DHTML and XML.	AP
4	Explore Data Base Management System- Models- Hierarchical, Network, Relational and object oriented, Software- CDS/ISIS, SOUL, Structure Query Language, Artificial Intelligence, Digital libraries- definition, characteristics & attributes, Storage media formats- DVD.	AN
5	Explain Library Automation- Planning and implementation of library automation, Automation of in- house operations- Acquisitions, Cataloguing, Circulation, OPAC Bar- coding.	AP

CL: Cognitive levels (R-Remember, U-Understanding, Ap-Apply, An-Analyze, E-Evaluate, C-Create)

20

CO-PO/PSO Mapping for the course:

PO / CO															
	3	3	3	3	2	1	2	2	3	3	3	1	-	3	3	2
	3	3	3	3	2	1	3	2	2	3	3	1	-	3	2	3
	3	3	3	3	2	2	1	2	-	3	3	2	3	3	2	3
	3	3	3	3	2	2	1	1	-	3	3	1	3	2	2	2
	3	3	3	3	2	-	3	2	1	3	3	1	1	2	1	2

"3" – Strong; "2" – Moderate; "1" – Low; "-" No Correlation

Detailed Syllabus:

1	Information Technology- Definition, need, scope and objectives. Historical background of computers, Generation of computers, Architecture CPU, Input/output devices, Hardware and software, Operating system-Ms-windows, UNIX, MS-DOS.	11	1
2	Networking- Types of networks-LAN, WAN, MAN, Local Area Networks, LAN Topologies, Network Hardware- Network interface card, hubs/switches, Getaways/Bridges, routes, modem, OSI model, Network Protocols- TCP/IP, Net-BUI, IPX and OSI layer.	15	2
3	Internet-Basic features and tools- Connectivity- Dialup, Leased lines, Microwave, ISDN, Digital Subscriber Lines (DSL), E-mail-Protocols-Telnet, FTP, HTTP, Web browsers, Web servers, Search Engines, Meta Search, Web design- SGML, HTML, DHTML and XML.	17	3
4	Data Base Management System- Models- Relational, Network, Relational and object oriented, Software- CDS/ISIS, SOUL, Structure Query Language, Artificial Intelligence, Digital libraries- definition, characteristics & attributes, Storage media formats- DVD.	13	4
5	Library Automation- Planning and implementation of library automation, Automation of in-house operations- Acquisitions, Cataloguing, Circulation, OPAC Bar- coding.	10	5

Books Recommended:

1. Sinha, Priti, Sinha, Pradeep, Computer Fundamentals Concepts Systems and Applications. BPB Publications. New Delhi, 2003.
2. Ram, B. Computer fundamentals: Architecture and Organization. New Age International Publishers,2018.
3. Sharma, B.K., Thakur, U.M., Pustkalaya Evam Suchna Vigyan. Y.K. Publishers, 2015.
4. Kochar, R. S. (2008). Library automation: issues and systems. A P Publishing, New Delhi.
5. Smruti Ranjan Sarangi. Computer Organisation & Architecture. McGraw Hill Education (India) Private Limited., 2014.

Master of Library and Information Science Semester-2

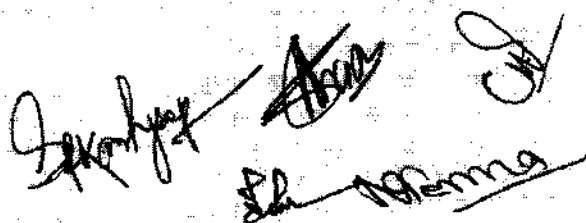| M.LIS.1 Sc			2
204MIS	MANAGEMENT INFORMATION SYSTEMS		Elective
5	5	1	0
100	25		75

Learning Objectives (LO):

The course aims to provide students with a thorough understanding of management information systems and their features, approaches, analysis, and design. Understand library and information networking, as well as database management systems. Be able to understand the concepts of Decision Support Systems (DSS) and Office Automation Systems (OAS).

Course Outcomes:

1	Explain management information systems its concepts, elements and objectives of MIS, Information and management effectiveness, Information needs and management levels, Features of MIS system approach to MIS, Properties of MIS.	U
2	Explore Structure of MIS, MIS and decision making, Planning for MIS-Systems analysis; Systems design, Techniques of system analysis; Techniques for MIS planning.	U
3	Describe Information Support System- Management reporting systems (MRS); Decision Support Systems (DSS); Office Automation Systems (OAS); Knowledge Based Systems.	AP
4	Describe Functional Informational Systems- Marketing IS; & Human resource IS, Implementation, Evaluation & Maintenance of MIS.	AP
5	Explain Role of Computer in MIS, Data Base Management, Data Base Software- Software needs selection and development, Data communication and networking, Using Information superhighways- Internet and Intranet.	U

CL: Cognitive levels (R-Remember, U-Understanding, Ap-Apply, An-Analyze, E-Evaluate, C-Create)

CO-PO/PSO Mapping for the course:

PO / CO																
	3	3	-	1	2	3	3	-	3	3	2	3	2	3	1	1
	3	3	-	3	2	2	3	2	3	3	3	2	2	3	2	1
	3	3	1	2	3	2	1	3	2	2	3	2	-	2	-	3
	3	3	2	3	1	2	3	1	2	3	3	1	3	3	2	2
	3	3	3	1	2	3	-	2	2	1	-	3	2	2	3	3

"3" – Strong; "2" – Moderate; "1" – Low; "-" No Correlation

Detailed Syllabus:

1	Management information systems its concepts, elements and objectives of MIS. Information and management effectiveness. Information needs and management levels. Features of MIS system approach to MIS. Properties of MIS.	17	1
2	Structure of MIS. MIS and decision making. Planning for MIS-Systems analysis; Systems design. Techniques of system analysis; Techniques for MIS planning.	14	2
3	Information Support System- Management reporting systems (MRS); Decision Support Systems (DSS); Office Automation	15	3
4	F... source IS, Implementation, Evaluation & Maintenance of MIS.		
5	Role of Computer in MIS. Data Base Management. Data Base Software-Software needs selection and development. Data communication and networking. Using Information superhighways-Internet and Intranet.	16	5

Books Recommended:

1. Mohan, P., Management Information system, Himalaya Publishing House, Mumbai 2017.
2. Murthy, C. S. V., Management Information system, Himalaya Publishing House, Mumbai, 2003.
3. Sadagopan, S. Management Information system, Prentice-Hall of India, New Delhi, 2004.
4. Reddy, R. Jayprakash, Management Information system and Computer Application, A P H Publishing Corporation, New Delhi, 2004.

Reference Books:

1. Jawadekar, W. S., Management Information System, Tata McGraw-Hill Publishing Company, New Delhi, 2002.
2. Bagchi, Nirmalya, Management Information system, Vikas Publishing House, New Delhi, 2012.
3. Rajaraman, V., Analysis and Design of Information Systems, PHI Learning Pvt. Ltd., Delhi, 2014.

Meeting of Library and Information Science Department

M.Lib.I.Sc	1	2
266ALIS	ACADEMIC LIBRARY AND INFORMATION SYSTEMS	Elective
5	5	1	0
100	25	75

Learning Objectives (LO):

This course provides students with a comprehensive understanding of the basic elements of academic libraries and their evolving roles, as well as the key recommendations of various committees and commissions regarding accreditation. Learn about the administrative and routine functions of academic libraries and how they share resources and form consortiums.

Course Outcomes:

1	Explain Academic Library its history and development of Libraries with special reference to India, Explain Role of Academic Library in Education and Academic Library as a support System for Education.	U
2	Describe Development of Academic Library- Role of UGC in Promoting Academic Libraries, University College and other Institutions, Role of library authorities of the Institutions in Promoting Library Resources, Development of Library Services, Financial Management of Academic Libraries.	U
3	Explain Collection Developments Policy, Weeding policy, Problems in Collection Organization in an Academic Library, Collection Development Programmes, Allocation of Funds to Collection Procurement and describe Curriculum and Collection Development, Library Committees and their Role in Collection Development.	AN
4	Describe and evaluate Staffing and Staff Development for Academic Library its various Norms and Patterns for Staffing in University, College and School Libraries, Continuing Education Programmes for Academic Library Development, Personal Management in Academic Library.	U
5	Explain Resource Sharing Programmes and Resource Sharing Services – its Objectives, Organization and Development, INFLIBNET and its Implications to Library Resource Sharing, Regional and City Network of Libraries and their Importance.	AP

CL: Cognitive levels (R-Remember, U-Understanding, Ap-Apply, An-Analyze, E-Evaluate, C-Create)

24

CO-PO/PSO Mapping for the course:

PO / CO															
3	3	2	1	-	3	3	-	1	3	2	3	3	3	1	2
3	3	2	3	2	-	3	3	-	3	3	2	3	3	2	-
3	3	2	2	3	2	-	3	2	2	1	3	3	2	2	3
3	3	2	3	1	2	3	1	3	3	3	1	3	1	1	3
3	3	1	1	2	3	3	3	1	1	1	3	2	2	3	-

"3" – Strong; "2" – Moderate; "1" – Low; "-" No Correlation

Detailed Syllabus:

1	Academic Library- History and Development of Libraries with special reference to India, Role of Academic Library in Education. Academic Library as a support System for Education.	14	1
2	Development of Academic Library- Role of UGC in Promoting Academic Libraries, University College and other Institutions; Role of library authorities of the Institutions in Promoting Library Resources, Development of Library Services, Financial Management of Academic Libraries.	18	2
3	Collection Developments- Collection Development Policy, Weeding policy Problems in Collection Organization in an Academic Library, Collection Development Programmes, Allocation of Funds to Collection Procurement, Curriculum and Collection Development. Library Committees and their Role in Collection Development.	14	3
4	Staffing and Staff Development for Academic Library- Norms and Patterns for Staffing in University, College and School Libraries, Continuing Education Programmes for Academic Library Development, Personal Management in Academic Library.	12	4
5	Resource Sharing Programmes- Resource Sharing Services – its Objectives, Organization and Development, INFLIBNET and its Implications to Library Resource Sharing, Regional and City Network of Libraries and their Importance.	13	5

Books Recommended:

1. Chigwada, J. P. (2021). Examining the Impact of Industry 4.0 on Academic Libraries. N. M. Nwaolisa (Ed.). Emerald Publishing Limited.
2. Bhatt, R.K. Srivastava, G.C. and Sharma, S K., Eds. Academic Libraries, (2021). K.K. Publications.
3. Chapman, L. (2008). Managing acquisitions in library and information services. London: Facet Pub.

M. HIS...	1	2
207AMAIS	ARCHIVAL, MUSEUM AND ARCHAEOLOGICAL INFORMATION SYSTEMS	Elective

6	5	1	0
100	25	75	

Learning Objectives (LO):

The goal of this course is to prepare students with a deep understanding of Archival, Museum, and Archaeological Information Systems. Through it, they gain knowledge about archival materials, the role of different agencies, and environmental control and preservation of archives.

Course Outcomes:

		CL
1	Explain History and Development and types of Archival Centers and describes the kind and identification of Archival material.	U
2	Describe Organisation and Management of Archival and Manuscripts on the basis of Acquisition, Classification, Cataloguing and Indexing of Archival material, Source material on Archival, Manuscripts, Machine Readable and Microfilm of Archival records, Database and Digitization of Archives, Role of UNESCO and other agencies.	AP
3	Explore the concept of Environment Control on Building Design, Planning and furniture and Fittings, Use of Copy Right to information in relation to archives.	AP
4	Describe Preservation of Archives its Objective and Purpose, Cause of Deterioration, Environmental Pollution: Physical, Chemical and Atmospheric, Biological enemies of materials: Mould, Fungi, Insect and Rodents.	U
5	Explain Rehabilitation of Documents on the basis of Cleaning, removal of Stains, Fuming and deacidification, Repair and restoration techniques, Lamination, Standards for Storage Conditions.	U

CL: Cognitive levels (R-Remember, U-Understanding, Ap-Apply, An-Analyze, E-Evaluate, C-Create)

CO-PO/PSO Mapping for the course:

PO / CO																
	3	3	2	3	1	3	3	2	3	2	1	3	2	3	2	1
	3	3	3	3	2	3	1	2	-	1	3	2	1	1	2	1
	3	3	1	3	3	3	1	1	-	2	1	3	3	1	2	1
	3	3	1	3	2	2	3	1	2	3	-	3	3	3	2	1
	3	3	1	1	2	2	3	2	2	1	2	3	2	2	2	1

"3" – Strong; "2" – Moderate; "1" – Low; "-" No Correlation

Detailed Syllabus:

1	History and Development- History and Development and types of Archival Centers, Kind and identification of Archival material.	9	1
2	Organisation and Management of Archival and Manuscripts- Acquisition, Classification, Cataloguing and Indexing of Archival material, Source material on Archival, Manuscripts, Machine Readable and Microfilm of Archival records, Database and Digitization of Archives, Role of UNESCO and other agencies.	16	2
3	Environment Control- Building Design, Planning and furniture and Fillings, Use of Copy Right to information in relation to archives.	11	3
4	Preservation of Archives ... Atmospheric, Biological enemies of materials, Mould, Fungi, Insect and Rodents.		
5	Rehabilitation of Documents- Cleaning, removal of Stains, Fuming and deacidification, Repair and restoration techniques, Lamination, Standards for Storage Conditions.	15	5

Books Recommended:

1. Corrado, E. M., Moulaison Sandy, H. (2013). Digital Preservation for Libraries, Archives, and Museums. United States: Rowman & Littlefield Publishers.
2. Ramesha, B. & Chandran, B. (2013). Preservation in Libraries principles and practice. Delhi: EssEss.
3. Williams, C. (2006). Managing archives: Foundations: principles and practice. Oxford: Chandos Publishing.
4. Balasubramanian, P. (2021). Preservation and Conservation of Library Resources. India: EssEss Publications.

Reference Books:
1. Brown, Adrian. (2017). Practical digital preservation: A how-to guide for organizations of any size. S.l.: Facet Publishing.
2. Deegan, M., & Tanner, S. (2013). Digital preservation. London: Facet Publishing.
3. Millar, L. (2017). Archives: Principles and practices. London: Facet Publishing.

M. Lib I Sc		I		2
208AIS	AGRICULTURAL INFORMATION SYSTEMS		Elective	
5	5		1	0
100	25		75	

Learning Objectives (LO):

This course is designed to provide students with an understanding of Agricultural Information Systems as well as an understanding of agricultural education and research in libraries. Be familiar with the agricultural information centers on the national and international levels, as well as the needs for agricultural faculty and staff in terms of information.

Course Outcomes:

1	Explore Agriculture Education and Agriculture Libraries its Growth and development of Agriculture education and research in India. Role of Library in Agricultural education research and Extension, Development of Agriculture Library in India.	AP
2	Describe Information Source and Services in Agriculture- Specialized Collection and Information Sources, Information Service and products in Agricultural Science and Technology with Special reference to India. Agriculture Information Centers - National and International.	U
3	Explain Organization and Management of Resources its General Principle of Information Management, Information Organization, Processing and Dissemination, developing need based and on Demand Specialized Services.	U
4	Analyze Information Needs while Identifying special need of Agricultural faculty & research Staff and User Studies of Local Agriculture Libraries.	AP
5	Explain Agriculture Information System and Networks in Current Trends in agricultural System and Networks, Resource Sharing and Networking in Agricultural Libraries in India, International Agricultural Database, Professional Associations.	AP

CL: Cognitive levels (R-Remember, U-Understanding, Ap-Apply, An-Analyze, E-Evaluate, C-Create)

CO-PO/PSO Mapping for the course:

CO\PO																
	3	3	1	3	2	-	3	2	3	3	3	3	2	3	1	2
	3	3	1	3	2	-	3	2	3	1	3	3	1	1	2	3
	3	3	1	2	3	-	3	3	2	1	1	2	3	1	2	3
	3	3	1	3	-	-	3	2	2	3	3	1	1	3	3	3
	3	3	1	1	2	-	3	2	3	2	2	3	2	2	3	3

"3" – Strong; "2" – Moderate; "1" – Low; "-" No Correlation

Detailed Syllabus:

1	Agriculture Education and Agriculture Libraries- Growth and development of Agriculture education and research in India, Role of Library in Agricultural education, research and Extension. Development of Agriculture Library in India	11	1
2	Information Source and Services in Agriculture- Specialized Collection and Information Sources, Information Service and products in Agricultural Science and Technology with Special reference to India, Agriculture Information Centers - National and International.	18	2
3	Organization and Management of Resources- General Principle of Information Management, Information Organization, Processing and Dissemination, developing need based and on Demand Specialized Services.	14	3
4	Information Needs- Identifying special need of Agricultural faculty & research Staff, User Studies of Local Agriculture Libraries.	10	4
5	Agriculture Information System and Networks- Current Trends in agricultural System and Networks, Resource Sharing and Networking in Agricultural Libraries in India, International Agricultural Database, Professional Associations.	15	5

Books Recommended:

1. Singh- Rajkumar, Handbook Of Library And Information Services (For Agriculture Science Students), Daya Publishing House, 2014.
2. R. Subbaiah, Agricultural Librarianship in India: An Overview, Metropolitan Book Company, 1988.
3. R. Subbaiah, Agricultural Library Users: An Analytical Study, Metropolitan, 1989.

M. Lib I Sc		1	2
209LIS	LEGAL INFORMATION SYSTEMS		Elective
5	5	1	0
100	25		75

Learning Objectives (LO):

The purpose of this course is to prepare students with a comprehensive understanding of Legal Information Systems and their role in the development of Indian legal institutions. The course is intended to equip students with knowledge of the source collections of information and to develop skills and techniques to deal with legal information.

Course Outcomes:

1	Explain Law Librarianship Growth and Development of legal Institutional in India, Nature Principle and Characteristics of legal Information and Law Libraries and Type of Law Library.	U
2	Describe Information Source Collections on the basis of Special Information Sources: Bills, Acts, Books, Serials, Law Court notice, Law case amendments, Tribunal Report, Law Digests, Legal Judgment, Delegation Legislation, Rules and orders, Legal Information Sources and Lexicons.	AP
3	Explain Organizations and Management of Resources Information Processing: Classification, Cataloguing and Indexing, Describe Developing special skills and Techniques to handle legal information (personnel) and Managing finance: Funds & Fund Generation.	U
4	Evaluate Information need and services, Special needs of lawyers and legal Professionals, Study of Law Information Centers (Local), Special Services, Planning and design, Preparation of rapports on Law Libraries (Local), Dissemination methods and techniques.	AP
5	Explain Legal Information System & Networks, Legal information System: National and International, Structure and their services, Legal Database and Digital Libraries, Resource and Networks of Legal Information.	U

CL: Cognitive levels (R-Remember, U-Understanding, Ap-Apply, An-Analyze, E-Evaluate, C-Create)

30

CO-PO/PSO Mapping for the course:

PO / CO																
	3	3	3	1	-	3	3	-	2	3	2	3	2	3	1	2
	3	3	3	3	-	1	3	2	2	3	3	-	1	3	2	2
	3	3	3	2	-	2	1	3	2	3	1	2	3	-	2	2
	3	3	3	3	-	2	3	1	2	3	-	1	3	-	2	1
	3	3	3	1	-	3	1	2	2	1	2	3	2	2	3	1

"3" – Strong; "2" – Moderate; "1" – Low; "-" No Correlation

Detailed Syllabus:

1	Law Librarianship- Growth and Development of legal Institutional in India, Nature Principle and Characteristics of legal Information and Law Libraries and Type of Law Library.	13	1
2	Information Source Collections- Special Information Sources: Bills, Acts, Books, Serials, Law Court notice, Law case amendments, Tribunal Report, Law Digests, Legal Judgment, Delegation Legislation, Rules and orders, Legal information Sources and Lexicons.	16	2
3	Organizations and Management of Resources- Information Processing: Classification, Cataloguing and Indexing, Developing special skills and Techniques to handle legal information (personnel) and Managing finance: Funds & Fund Generation.	14	3
4	Information needs and services- Special needs of lawyers and legal Professionals, Study of Law Information Centers (Local), Special Services, Planning and design, Preparation of rapports on Law Libraries (Local), Dissemination methods and techniques.	18	4
5	Legal Information System & Networks- Legal information System: National and International, Structure and their services, Legal Database and Digital Libraries, Resource and Networks of Legal Information.	17	5

Books Recommended:

1. Deborah Panella, Ellis Mount. Basics of Law Librarianship. Routledge Taylor and Francis Group, 1990.
2. Aycock Anthony. The Accidental Law Librarian. Information Today, Inc., 2013.
3. Primary Research Group Inc. Law Library Benchmarks, 2018-19 Edition. Primary Research Group, 2017.
4. Roy Balleste, Sonia Luna-Lamas, Lisa Smith-Butler. Law Librarianship in the Twenty-first Century. Scarecrow Press, 2007.

M. Lib I Sc		1	2
209LIS	**LEGAL INFORMATION SYSTEMS**		Elective
5	5	1	0
100	25		75

Learning Objectives (LO):

The purpose of this course is to prepare students with a comprehensive understanding of Legal Information Systems and their role in the development of Indian legal institutions. The course is intended to equip students with knowledge of the source collections of information and to develop skills and techniques to deal with legal information.

Course Outcomes:

1	Explain Law Librarianship Growth and Development of legal Institutional in India. Nature Principle and Characteristics of legal Information and Law Libraries and Type of Law Library.	U
2	Describe Information Source Collections on the basis of Special Information Sources: Bills, Acts, Books, Serials, Law Court notice, Law case amendments, Tribunal Report, Law Digests, Legal Judgment, Delegation Legislation, Rules and orders. Legal information Sources and Lexicons.	AP
3	Explain Organizations and Management of Resources Information Processing: Classification, Cataloguing and Indexing, Describe Developing special skills and Techniques to handle legal information (personnel) and Managing finance: Funds & Fund Generation.	U
4	Evaluate Information need and services, Special needs of lawyers and legal Professionals, Study of Law Information Centers (Local), Special Services, Planning and design, Preparation of rapports on Law Libraries (Local), Dissemination methods and techniques.	AP
5	Explain Legal Information System & Networks, Legal information System: National and International, Structure and their services, Legal Database and Digital Libraries, Resource and Networks of Legal Information.	U

CL: Cognitive levels (R-Remember, U-Understanding, Ap-Apply, An-Analyze, E-Evaluate, C-Create)

CO-PO/PSO Mapping for the course:

PO \ CO																
	3	3	3	1	-	3	3	-	2	3	2	3	2	3	1	2
	3	3	3	3	-	1	3	2	2	3	3	-	1	3	2	2
	3	3	3	2	-	2	1	3	2	3	1	2	3	-	2	2
	3	3	3	3	-	2	3	1	2	3	-	1	3	-	2	1
	3	3	3	1	-	3	1	2	2	1	2	3	2	2	3	1

"3" – Strong; "2" – Moderate; "1" – Low; "-" No Correlation

Detailed Syllabus:

1	Law Librarianship- Growth and Development of legal Institutional in India. Nature Principle and Characteristics of legal Information and Law Libraries and Type of Law Library.	13	1
2	Information Source Collections- Special Information Sources: Bills, Acts, Books, Serials, Law Court notice, Law case amendments, Tribunal Report, Law Digests, Legal Judgment, Delegation Legislation, Rules and orders, Legal information Sources and Lexicons.	16	2
3	Organizations and Management of Resources- Information Processing: Classification, Cataloguing and Indexing. Developing special skills and Techniques to handle legal information (personnel) and Managing finance: Funds & Fund Generation.	14	3
4	Information needs and services- Special needs of lawyers and legal Professionals. Study of Law Information Centers (Local), Special Services, Planning and design. Preparation of rapports on Law Libraries (Local), Dissemination methods and techniques.	18	4
5	Legal Information System & Networks- Legal information System: National and International, Structure and their services, Legal Database and Digital Libraries, Resource and Networks of Legal Information.	17	5

Books Recommended:

1. Deborah Panella, Ellis Mount. Basics of Law Librarianship. Routledge Taylor and Francis Group, 1990.
2. Aycock Anthony. The Accidental Law Librarian. Information Today, Inc., 2013.
3. Primary Research Group Inc. Law Library Benchmarks, 2018-19 Edition. Primary Research Group, 2017.
4. Roy Balleste, Sonia Luna-Lamas, Lisa Smith-Butler. Law Librarianship in the Twenty-first Century. Scarecrow Press, 2007.

Master of Library and Information Science Semester-1

M. Lib I Sc	1	2
210IIS	**INDUSTRIAL INFORMATION SYSTEMS**	Elective

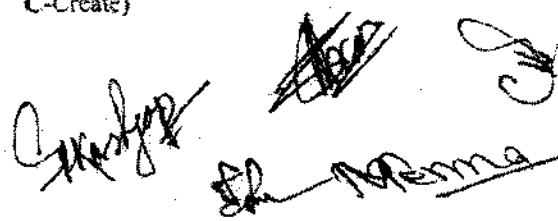| 5	5	1	0
100	25		75

Learning Objectives (LO):

The course aims to provide students with a deeper understanding of Industrial Information Systems, its growth and development, various types of industries and the role of libraries and information centers in planning and designing specialized information services. Develop their understanding of industrial networks and information systems.

Course Outcomes:

1	Explain Growth and Development of Industries & Industrialization Libraries, Industrial Growth in India, Type of Industries: Government and Non-Government, Role of Libraries and Information Center in Industries. Categories of Industrial Libraries.	C
2	Describe Industrial Information Resource Collections. Tread Literature, Patents. Standards, Technical Reports Bulletins.	U
3	Explain and describe Organizations and Management of Industrial Information. Special Classification Scheme and Indexing System. Planning and Designing Specialized information services and Products, System approach to Planning and Design and Implementation, Managing personal Skills and Finance.	AP
4	Evaluate Information needs and Services of Industrial Libraries. Special Classification Schemes and Indexing System, Case Studies and field Experience of local Industries. Preparation of Report of an Industrial Library Survey (Local). Marketing of Information, Computerized Information Service.	AP
5	Explain Industrial Information System and Network, Industrial Information Centers and Networks National and International (SENDOC). Structure and their services. Industrial Databases, Resource Sharing and Networking of Industrial Information Centers in India.	U

CL: Cognitive levels (R-Remember. U-Understanding, Ap-Apply, An-Analyze, E-Evaluate, C-Create)

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CO-PO/PSO Mapping for the course:

PO / CO															
3	3	3	3	2	3	3	2	3	3	2	3	2	3	3	2
3	3	3	3	2	1	3	2	1	3	3	2	2	-	2	1
3	3	3	3	2	1	1	3	-	3	3	2	3	2	2	2
3	3	3	3	2	-	3	2	-	3	3	3	-	3	1	1
3	3	3	3	2	-	-	2	3	3	2	3	2	2	3	3

"3" – Strong; "2" – Moderate; "1" – Low; "-" No Correlation

Detailed Syllabus:

1	Growth and Development of Industries & Industrialization Libraries, Industrial Growth in India. Type of Industries: Government and Non-Government, Role of Libraries and Information Center in Industries. Categories of Industrial Libraries.	13	1
2	Industrial Information Resource Collections, Tread Literature. Patents, Standards, Technical Reports Bulletins.	10	2
3	Organizations and Management of Industrial Information. Special Classification Scheme and Indexing System, Planning and Designing Specialized information services and Products, System approach to Planning and Design and Implementation. Managing personal Skills and Finance.	16	3
4	Information needs and Services of Industrial Libraries, Special Classification Schemes and Indexing System, Case Studies and field Experience of local Industries. Preparation of Report of an Industrial Library Survey (Local), Marketing of Information. Computerized Information Service.	18	4
5	Industrial Information System and Network, Industrial Information Centers and Networks National and International (SENDOC). Structure and their services, Industrial Databases, Resource Sharing and Networking of Industrial Information Centers in India.	15	5

Books Recommended:

1. G.H. Bantock. Culture. Industrialization and Education (Students Library of Education). Routledge & Kegan Paul Books. 1968.
2. Mountjoy, Alan B. Industrialization and developing countries (University Library). Hutchinson. 1975.
3. Boucher, Thomas O. Ali Yalçin. Design of Industrial Information Systems. Academic Press. Inc. 2006.
4. Pearlson, Keri. Carol Saunders. Managing and Using Information Systems. A Strategic Approach. John Wiley & Sons, Inc.2e/2003.
5. Turban, Efraim. Rainer. Potter. Introduction to Information Technology. John Wiley & Sons, Inc. 2e/2003.

Master of Library and Information Science Semester-1

M. Lib I Sc	1	2
211IPR2	**INFORMATION PROCESSING AND RETRIEVAL (PRACTICE-II)**	Elective
5	0	2	10
100	25	75

Learning Objectives (LO):

The course aims to provide students with the understanding of the concept of Library Catalogue, its forms and standards, and a deep understanding of information processing and retrieval. Prepare different catalogue entries for different types of information sources by understanding titles and analysing entry elements.

Course Outcomes:

1	Explain Cataloguing of Works of Single Authorship, Shared Authorship, Pseudonyms, Descriptive, Numbered, Parallel, Mixed Responsibilities.	U
2	Describe Cataloguing of Editorial Works, Composite Works, Multi-volume Works.	AP
3	Explain Cataloguing of Works of Corporate Authorship.	AP
4	Explain Cataloguing of Serial Publications.	C

CL: Cognitive levels (R-Remember, U-Understanding, Ap-Apply, An-Analyze, E-Evaluate, C-Create)

CO-PO/PSO Mapping for the course:

CO \ PO																
	3	3	2	1	2	1	3	-	2	3	3	-	2	3	2	2
	3	3	2	1	2	2	3	-	2	3	3	2	2	3	2	-
	3	3	2	1	-	2	3	-	2	3	3	2	3	1	2	-
	3	3	2	1	-	2	3	-	2	3	3	-	3	3	2	1

"3" – Strong; "2" – Moderate; "1" – Low; "-" No Correlation

Detailed Syllabus:

1	Cataloguing of Works of Single Authorship, Shared Authorship, Pseudonyms, Descriptive, Numbered, Parallel, Mixed Responsibilities.	15	1
2	Cataloguing of Editorial Works, Composite Works, Multi-volume Works.	13	2
3	Cataloguing of Works of Corporate Authorship.	10	3
4	Cataloguing of Serial Publications.	10	4

Books Recommended:

1. A. K. Varma. Anglo-American Cataloguing Rules-2. Central Book House, Raipur.1995.
2. Krishan Jumar. An Introduction to Cataloguing Practice. Vikash Publishing House, Delhi. 1981.
3. Ranganathan. S. R. Cataloguing Practice. Asia Publishing House, New York. 1974.
4. Sood. S. P. Practical AACR-2. Raj Publishing House, Jaipur. 1996.
5. शर्मा, महेंद्र नाथ. पुस्तकालय सूचीकरण के सिद्धांत. पंचशील प्रकाशन, जयपुर. 2013.

Programme Articulation matrix:

Following matrix depicts the correlation between all the courses of the programme and Programme outcomes

Course Code																
	√	√	√	√	√	√	√	x	√	√	√	√	√	√	x	√
	√	√	√	√	√	√	√	√	x	√	√	√	√	√	√	x
	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	x
	√	x	√	√	x	√	√	√	√	√	√	√	√	√	√	√
	x	√	√	√	√	√	√	√	x	√	√	√	x	x	√	√
	√	√	√	√	√	√	√	√	x	√	x	√	√	√	√	√
	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	√	√	x	x	√	√	√	x	√	√	√	√	√	√	√	√
	√	√	√	x	√	√	√	√	√	√	x	x	√	x	√	√
	x	√	√	x	√	√	√	√	√	√	√	x	√	√	√	√
	√	√	x	√	√	√	√	√	x	√	√	x	√	√	√	√
	√	√	√	√	√	x	√	√	√	√	x	√	√	√	√	√
	x	√	√	√	√	x	√	√	√	√	x	√	√	√	√	√
	√	√	√	√	√	x	√	√	x	√	√	√	√	√	√	√
	√	√	√	x	√	x	√	√	√	√	√	√	√	x	√	√
	√	√	√	√	√	x	√	√	x	√	√	√	√	x	x	√

No of courses mapping the PO/PSO																

Learning Outcome

After Studying this paper, Students shall be able to :

- To know about the various ancient literatures and their owners of different disciplines.
- To make the students understand the traditional knowledge and analyse it and apply it to their day-to-day life.
- Get to know the importance of Indian Literature and their salient features
- It seeks to promote interdisciplinary research on all aspect of IKS.
- The program helps students their communication and leadership skills.

Indian Knowledge system

Unit – 1: - Indian knowledge System

- Definition, Purpose, Concepts, Scope and Importance.
- Characteristics, History and developments.
- Key Elements of IKS, Design Principles in IKS.

Unit-2: Traditional Knowledge

- Definition, Purpose, Importance and their types.
- Use of Traditional Knowledge in daily life: Water Management techniques, Medical System, Agriculture Practices.

Unit 3: Research Aspects in IKS

- Interdisciplinary Research in IKS: Relevance of Yoga and Ayurveda, Philosophy, Ethics and Religion.

Unit 4: Universe of Knowledge as mapped in different schemes of Classification:

a. Expansive Classification Scheme – C.A. Cutter
b. Subject Classification Scheme- J. D. Brown
c. Bibliographic Classification – H. E. Bliss