

**Three/Four Yr. Degree Course
(Single Major & Double Minor with Research)
based on NEP-2020
LIBRARY & INFORMATION SCIENCE**



**(EFFECTIVE FROM SESSION 2026-27)
(BATCH: 2026-2029)**



SAMBALPUR UNIVERSITY
JYOTI-VIHAR, BURLA, SAMBALPUR, ODISHA-768019

The model curriculum and credit frame work for under graduate programmes as multiple entry and exit option with research and without research of National Education Policy-2020.

- I. **CERTIFICATE COURSE:** One Academic Year (First & Second Semester and Summer Vocational Course and Community Work) **44 CREDITS**
- II. **DIPLOMA COURSE:** Two Academic year (First, Second, Third & Fourth Semester and Summer Vocational Course and Community Work) **86 CREDITS**
- III. **3YR. DEGREE COURSE:** Three Academic Year (First, Second, Third, Fourth, Fifth & Sixth Semester and Community Work) **126 CREDITS**
- IV. **4YR. DEGREE COURSE (HONOURS):** Four Academic Year (First, Second, Third, Fourth, Fifth, Sixth, Seventh & Eighth Semester and Community Work) **166 CREDITS**
- V. **4YR. DEGREE COURSE (HONOURS WITH RESEARCH):** Four Academic Year (First, Second, Third, Fourth, Fifth, Sixth, Seventh & Eighth Semester and Community Work) **166 CREDITS**

Type of Course:

- I. **Major (Core-I):** is the subject of main focus and the degree will be awarded in that discipline.
- II. **Minor Stream (Core-II):** helps a student to gain a broader understanding knowledge beyond the major discipline. A student may gather 28 credits from a single subject
- III. **Multidisciplinary U.G. Programme (09 Credits):** Three introductory-level Multidisciplinary Course baskets are offered for students to choose any one from each semester outside of the subject/ discipline/ faculty: A group of related subject i.e., faculty (Arts/ Commerce/ Science). The student can opt three different subject/ course for each semester examination.
- IV. **Ability Enhancement Course (AEC 08 Credits):** Student are required to achieve competency in a Modern Indian Language (MIL) and in the English language with special emphasis on language and communication skills (not literary skill). Literature and Linguistic courses shall be offered in major core and minor stream. In lieu of Odia, a student may opt for only Sanskrit, Hindi or Urdu.
- V. **Skill Enhancement Course (SEC 09 Credits):** A student has to opt the Skill Enhancement courses from the basket as per the subject available in the institution. The students can opt for any one course for each semester examination and these courses are aimed at imparting practical skills, hands-on training, soft skills, etc., to enhance the employability of students.
- VI. **Value Added Course (VAC 12 Credits):** The VAC course basket are prearranged for the students to choose for each semester's examination.
- VII. **Summer Internship/Apprenticeship/Summer Project (04 Credits with 120 Hours):** Community Engagement and Services/ Field work/ Internship programme is mandatory for all students of 4th Semester undergraduate Programmes of NEP-2020 carrying 4 credits

which shall be completed in 120h (Students admitted in the session 2024-25 onwards) under affiliated colleges of Sambalpur University.

A. Internship: *A course requiring students to participate in a professional activity or work experience or cooperative education activity with an entity external to the education institution, normally under the supervision of an expert of the given external entity. A key aspect of the internship is induction into actual work situations.*

- Internships may be undertaken anywhere in India, subject to institutional approval and compliance with credit requirements.*

- Internships involve working with local industry, government or private organizations, business organizations, artists, crafts persons, NGOS, Private Sector organizations, Government / Public Sector institutions, Industries, MSMEs (Online or Offline) and similar entities to provide opportunities for students to actively engage in on-site experiential learning.*

- **Online / Digital Internship Opportunities:** Internship may also be undertaken in online or hybrid mode through recognized Government of India platforms, subject to institutional approval and fulfilment of credit requirements.*

- Students may undertake internships or field work through their own arrangement, subject to prior approval of the concerned HEI.*

B. Community Engagement and Services/ Field work: *Community Engagement activities shall be conducted through NSS. Students not enrolled under NSS may undertake community engagement projects / field work for 120h duration under the supervision of faculty members.*

- After completion of Internship students will collect an internship completion certificate from the organization / competent authority.*
- **Submission of Report and Evaluation:** Students opted for Internship/ Community engagement projects/ Field work are required to submit a report to the Institution for evaluation. Supporting documents like feedback from the host Organisation, geotagged photos and other relevant documents should be submitted with the report.*

One Academic Year: (1st & 2nd Semester and a Summer Vocational Course and Community Work)

Semester	Core-I	Core-II	Core-III	Multidisciplinary	AEC	SEC	VAC	Community Engagement & Field Work	Credit
I	2x4=8	1x4=4		1x3=3	1x4=4		1x3=3		22
II	2x4=8		1x4=4	1x3=3	1x4=4	1x3=3			22
Total	4x8=16	1x4=4	1x4=4	2x3=6	2x4=8	1x3=3	1x3=3		44

Table-II: Course Table Structure for Diploma Certificate Course: Exit after Second Academic Year

Two Academic Year: (1st, 2nd, 3rd & 4th Semester and a Summer Vocational Course and Community Work)

Semester	Core-I	Core-II	Core-III	Multidisciplinary	AEC	SEC	VAC	Community Engagement & Field Work	Credit
I	2x4=8	1x4=4		1x3=3	1x4=4		1x3=3		22
II	2x4=8		1x4=4	1x3=3	1x4=4	1x3=3			22
									44
III	3x4=12	1x4=4		1x3=3			1x3=3		22
IV	3x4=12		1x4=4						20
									42
Total	10x4=40	2x4=8	2x4=8	3x3=9	2x4=8	1x3=3	2x3=6		86

Table-III: Course Table Structure for Three Years Degree Course with Single Major and Two Minor

Semester	Core-I	Core-II	Core-III	Multidisciplinary	AEC	SEC	VAC	Community Engagement & Field Work	Credit
I	2x4=8	1x4=4		1x3=3	1x4=4		1x3=3		22
II	2x4=8		1x4=4	1x3=3	1x4=4	1x3=3			22
									44
III	3x4=12	1x4=4		1x3=3			1x3=3		22
IV	3x4=12		1x4=4					1x4=4	20
									42
V	3x3=12	1x4=4				1x3=3	1x3=3		22
VI	2x4=8		1x4=4			1x3=3	1x3=3		18
									40
Total	15x4=60	3x4=12	3x4=12	3x3=9	2x4=8	3x3=9	4x3=12	1x4=4	126

Table-IV: Course Table Structure for Three Years Degree Course with Double Major

III	3x4=12	2x4=8	1x3=3			1x3=3		26
IV	3x4=12	2x4=8					1x4=4	24
								50
V	3x3=12	2x4=8			1x3=3	1x3=3		26
VI	2x4=8	2x4=8			1x3=3	1x3=3		22
								48
Total	15x4=60	12x4=48	3x3=9	2x4=8	3x3=9	4x3=12	1x4=4	150

Table-V: Course Table Structure for Fourth Year Honours without Research

<i>Semester</i>	<i>Core-I</i>	<i>Core-II</i>	<i>Core-III</i>	<i>Multidisciplinary</i>	<i>AEC</i>	<i>SEC</i>	<i>VAC</i>	<i>Community Engagement & Field Work</i>	<i>Credit</i>
I	2x4=8	1x4=4		1x3=3	1x4=4		1x3=3		22
II	2x4=8		1x4=4	1x3=3	1x4=4	1x3=3			22
									44
III	3x4=12	1x4=4		1x3=3			1x3=3		22
IV	3x4=12		1x4=4					1x4=4	20
									42
V	3x3=12	1x4=4				1x3=3	1x3=3		22
VI	2x4=8		1x4=4			1x3=3	1x3=3		18

									40
VII	$4 \times 4 = 16$	$1 \times 4 = 4$							20
VIII	$4 \times 4 = 16$	$1 \times 4 = 4$							20
Total	$23 \times 4 = 92$	$5 \times 4 = 20$	$3 \times 4 = 12$	$3 \times 3 = 9$	$2 \times 4 = 8$	$3 \times 3 = 9$	$4 \times 3 = 12$	$1 \times 4 = 4$	166

Table-VI: Course Table Structure for Fourth Year Honours with Research

[illegible]

VII	3x3=12	2x4=8							20
VIII	2x4=8							Research 12	20
Total	20x4=80	5x4=20	3x4=12	3x3=9	2x4=8	3x3=9	4x3=12	16	166

COURSE AT A GLANCE (NEP-UG)

SUBJECT: LIBRARY & INFORMATION SCIENCE

ACADEMIC SESSION: 2026-29

CORE-I COURSE

Course Number	Semester	Course Title	Type of Paper P- Practical NP-Non- practical	Credit Hour	Maximum Weightage of Marks
Paper-I	Semester-I	FOUNDATION OF LIBRARY & INFORMATION SCIENCE	NP	4	100
Paper-II		INFORMATION AND COMMUNICATION	NP	4	100
Paper-III	Semester-II	INFORMATION SOURCES	NP	4	100
Paper-IV		INFORMATION SERVICES	NP	4	100
Paper-V	Semester-III	LIBRARY MANAGEMENT-1	NP	4	100
Paper-VI		COMPUTER FUNDAMENTALS	Theory with practical	4	100
Paper-VII		INTERNET & WEB TECHNOLOGY	Theory with practical	4	100
Paper-VIII	Semester-IV	ELECTRONIC INFORMATION RESOURCES	Theory with practical	4	100
Paper-IX		KNOWLEDGE ORGANISATION	NP	4	100
Paper-X		LIBRARY CLASSIFICATION PRACTICE	NP	4	100
Paper-XI	Semester-V	WEB BASED INFORMATION SERVICES	NP	4	100
Paper-XII		INFORMATION SYSTEM	NP	4	100
Paper-XIII		RESOURCE DESCRIPTION	NP	4	100
Paper-XIV	Semester-VI	LIBRARY CATALOGUING PRACTICE	NP	4	100
Paper-XV		LIBRARY MANAGEMENT-II	NP	4	100
Paper-XVI	Semester-VII	LIBRARY AUTOMATION	Theory with practical	4	100
Paper-XVII		DIGITAL LIBRARY SYSTEM	NP	4	100
Paper-XVIII		RESEARCH METHODOLOGY	NP	4	100
Paper-XIX		RESEARCH EVALUATION METRICS	NP	4	100

Paper-XX	Semester-VIII	LIBRARY SYTSTEM AND SPECIALISED SERVICES	NP	4	100
Paper-XXI		LIBRARY USERS AND INFORMATION LITERACY	NP	4	100
Paper-XXII		MARKETING OF LIBRARY PRODUCTS AND SERVICES	NP	4	100
Paper-XXIII		INFORMATION RETRIEVAL SYSTEM	NP	4	100

CORE-II/CORE-III COURSE

Course Number	Semester Core-II/ Core-III	Course Title	Type of Paper P-Practical NP(Non-ractical)	Credit Hour	Maximum Weightage of Marks
Paper-I	Semester-I/II	PAP-1: FOUNDATIONS OF LIBRARY & INFORMATION SCIENCE	NP	4	100
Paper-II	Semester-III/IV	PAP-III INFORMATION SOURCES	NP	4	100
Paper-III	Semester-V/VI	LIBRARY MANAGEMENT-I	NP	4	100

ABILITY ENHANCEMENT COURSE (AEC) UNDER NEP-2020

Sl. No.	Semester	Course	Credit hour (CH)	Full Mark
Paper-I	I	Odia/Hindi/Sanskrit/Urdu	4	100
Paper-II	II	English	4	100

MULTIDISCIPLINARY COURSE:

NOTE: THIS IS APPLICABLE FOR STUDENT ADMISSION FOR THE 2026-27 BATCH.

1. A basket of semester wise MDC Courses (**Table-I**) have been approved by Sambalpur University, which will be applicable to all the U.G. programme in the affiliated colleges under Sambalpur University.
2. Students have to opt for one subject in each semester from the semester- wise subject list provided in the basket.
3. During the counselling, students are to be encouraged to opt for courses outside their discipline/faculty. (A Group of related subjects, i.e., Faculty: Science/Arts/Commerce).

4. The students are expected to choose MDC from the subjects other than their major subjects. For example, a Home Science student cannot be allowed to opt MDC from Home Science and have to choose from any other Department.

NOTE: The student cannot opt for a course already chosen in earlier semester. Ex: The subject chosen by a student in the 1st Semester cannot be chosen in 2nd Semester and the subject chosen in 1st & 2nd semester cannot be chosen in 3rd semester.

Table -1: List of MDC Course at UG level

SEMESTER-I

MULTIDISCIPLINARY COURSE (MDC) UNDER NEP-2020					
Sl. No.	Department to teach	Semester Course	Type of Paper P- Practical NP-Non-practical	Credit hour (CH)	Full Mark
1.	Chemistry	Environmental Chemistry	NP	3	100
2.	Botany	Gardening and Vermicomposting	NP	3	100
3.	Economics	Economics in Everyday Life	NP	3	100
4.	History	History of Education in Modern India	NP	3	100
5.	Odia	□□□□□□□□□□ □□□□□□□□	NP	3	100
6.	Political Science	Political Process in India	NP	3	100
7.	English	Ethical Literature	NP	3	100
8.	Commerce	Financial literacy	NP	3	100
9.	Education	Educational Psychology	NP	3	100
10.	Mathematics	Discrete Mathematics	NP	3	100
11.	Sociology	Sociology for Social Workers	NP	3	100
12.	Physics	Biophysics	NP	3	100

SEMESTER-II

MULTIDISCIPLINARY COURSE (MDC) UNDER NEP-2020

Sl. No.	Department to teach	Semester Course	Type of Paper P- Practical NP-Non-practical	Credit hour (CH)	Full Mark
1.	Statistics	Survival Analysis and Biostatistics	NP	3	100
2.	Zoology	Apiculture	NP	3	100
3.	Education	Gender and Education	NP	3	100
4.	Geography/Geology	Climatology	NP	3	100
5.	Philosophy	Vedic Culture	NP	3	100
6.	Hindi	विज्ञापन अवधारणा और प्रयोजनमूलक अध्यन	NP	3	100
7.	Home Science	Food Science and Nutrition	NP	3	100
8.	Commerce	Fundamentals of Entrepreneurship and E-Commerce	NP	3	100
9.	Economics	Demography	NP	3	100
10.	Mathematics	Introduction to Programming with MATLAB	NP	3	100
11.	Political Science	Indian Administration	NP	3	100
12.	History/Geography	Sustainable Tourism	NP	3	100

SEMESTER-III

MULTIDISCIPLINARY COURSE (MDC) UNDER NEP-2020

Sl. No.	Department to teach	Semester Course	Type of Paper P- Practical NP-Non-practical	Credit hour (CH)	Full Mark
1.	Mathematics/Computer Science	Programming C++	NP	3	100
2.	Physics	Introduction to Spectroscopy	NP	3	100
3.	History/ Sanskrit	Indian Knowledge System	NP	3	100
4.	Political Science	Human Rights	NP	3	100
5.	Botany/Zoology	Environmental issues and Challenges	NP	3	100
6.	Commerce	Entrepreneurship Development and start up	NP	3	100
7.	Psychology	Health Psychology	NP	3	100
8.	Philosophy	Philosophy of Bhagavad Gita	NP	3	100
9.	Botany	Herbarium Preparations	NP	3	100
10.	Education	Educations Thinkers of Modern India	NP	3	100
11.	Sociology	Public Policy	NP	3	100
12.	Library & Information Science	Management of Libraries	NP	3	100

SKILL ENHANCEDMENT COURSE:

NOTE: THIS IS APPLICABLE FOR STUDENT ADMISSION FOR THE 2026-27 BATCH.

1. A basket of Skill Enhanced Course for various disciplines has been approved by the Sambalpur University and will be applicable to all undergraduate programme in the affiliated colleges under Sambalpur University.
2. A student may opt one SEC course form the basket during a particular semester, ensuring no repetition. Details of the SEC courses for each semester are provided in table-2.
3. *Artificial Intelligence has been offered as a compulsory course at 2nd semester Skill Enhancement Course.*

TABLE-2: LIST OF THE SEC COURSE AT UG LEVEL

SKILL ENHANCEDMENT COURSE (SEC) UNDER NEP-2020			
	SEMESTER-II	Credit hour (CH)	Full Mark
Paper- I	PERSONALITY DEVELOPMENT OR ELECTION STUDIES AND PUBLIC OPINION OR QUANTITATIVE AND LOGIAL THINKING OR ANALYTICAL THINKING AND LOGICAL RESONING OR RENEWABLE ENERGY AND ENERGY HARVESTING OR VERMICOMPOSTING OR PROJECT MANAGEMENT	3	100

SKILL ENHANCEDMENT COURSE (SEC)
UNDER NEP-2020

SEMESTER-V

Paper-II	ARTIFICIAL INTELLIGENCE Compulsory for all (Arts, Science & Commerce)	Credit hour (CH)	Full Mark
		3	100

SKILL ENHANCEDMENT COURSE (SEC)
UNDER NEP-2020

	SEMESTER-VI	Credit hour (CH)	Full Mark
Paper- III	LIFE SKILL EDUCATION OR QUANTITATIVE AND LOGICAL THINKING OR INCOME TAX E-RETURN FILING OR ORGANIC FARMING OR BIOFERTILIZERS OR TYPE SETTING IN LATEX OR FOOD FERMENTATION TECHNIQUES	3	100

VALUE ADDED COURSES (VAC)
UNDER NEP – 2020

1. The student will have to study one VAC course in each semester (I, III, V, VI) irrespective of their disciplines are reflected in Table-3.

TABLE-3: LIST OF THE VAC COURSE AT UG LEVEL

VALUE ADDED COURSES (VAC) UNDER NEP – 2020				
Paper	Semester	Course title	Credit	Marks
PAPER I	Semester-I	Environmental Studies and Disaster Management	3	100
PAPER II	Semester-III	Ethics & Values	3	100
PAPER III	Semester-V	Understanding Odisha	3	100
PAPER IV	Semester-VI	Creative Writing	3	100

Semester-I

Paper-I Foundations of Library & Information Science Course

Outcome:

- Understand the origin and development of libraries.
- Apprehend the five laws and their implications in ICT era.
- Recognize details about library legislation and Library Acts.
- Understand different types of national/international library organisation.
- Comprehend professionalism and professional ethics.

Unit-I:

Libraries: Definition, Origin and History, Historical Development of Libraries in India,

Committees and Commissions on Libraries in India, Role of Libraries in the Society, Types of Libraries — Academic, Public, Special and National, Library Public Relation and Extension Activities.

Unit-II:

Five Laws of Library Science, Library Legislations and Library Acts in India: The Press and Registration of Books Act; the Delivery of Books and Newspapers (Public Libraries) Act, Copyright Act and Right to Information Act.

Unit-III:

Library and Information Science Profession - Librarianship as a Profession, Professional Skills and Competences; Professional Ethics. Library and Information Science Education in India.

Contributions of Dr. S. R. Ranganathan to Library Profession in India.

Unit-IV:

Professional Associations - National — ILA, IASLIC, IATLIS; International — IFLA, ALA, CILIP, ASLIB, ARL, SLA; Role of UGC, RRRLF, UNESCO, National Knowledge Commission, and National Mission on Libraries in the Promotion and Development of Libraries.

Text Books

Suggested

Readings:

^v Khanna, J. K. (1984). Fundamentals of Library Organization. New Delhi: Ess Ess Publications ^v/ Ranganathan, S. R. (2006). Five Laws of Library Science. (Reprint). New Delhi: Ess Ess Publications.

^v/ Kumar, P. S. G. (2003). Foundation of Library and Information Science. New Delhi: BR Publishing.

Reference Books:

^v/ <https://eoankosh.ac.in/bitstream/123456789/35226/5/Unit-4.pdf> ^v/

<https://eoankosh.ac.in/bitstream/123456789/34898/1/Unit-2.pdf> ^v/

<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=9JW4FTxYrU+Wsr8x18vgiw==> ^v/

<https://ebooks.inflibnet.ac.in/eadhvavan/site/genre?id=Library%20and%20Information>

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Paper-2

Information and Communication

Course Outcome:

- Understand the theoretical aspects of information and communication channels and processes.
- Learn different ICT tools for smarter and faster communication of information. • Apprehend the knowledge of societal benefits of information communication.
- Unit-I:

Data, Information, Knowledge and Wisdom, Information Life Cycle - Generation, Collection, Storage and Dissemination.
Information Industry - Generators, Providers and Intermediaries.

Unit-2:

Information: Definition, Properties, Role of Information; Information Science - Relationship with other subjects, Information Society and Knowledge Society.

Unit-3:

Communication — Concept, Types, Theories, Models, Channels and Barriers; Economics of information vs. Information economy; Trends in Scholarly Communication

Unit-4:

Tools of Modern Communication: Social media, Asynchronous and Synchronous communication tools; direct messaging, Instant Messaging, Blogging, Email, Voice and Video Calling, Online Chatting Suggested Readings:

Reference Books

<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=9JW4FTxyrU+Ws8xl8> <https://egyankosh.ac.in/handle/123456789/7156>
<https://eboo.ks.inflibnet.ac.in/eadhyayan/site/genre?id=Librařy%20Oand%20Infermation%20Scie>

Semester-II

Paper-3

Information Sources

Course

- Understand different types of primary, secondary and tertiary information sources
- Identify and explore the use of different types of reference sources

Unit-I:

Information Sources - Nature, Characteristics, Format, and Types- Primary, Secondary and Tertiary; Documentary and Non-Documentary; Institutional sources, Human sources

Unit-II:

Primary Information Sources - Journals, Conference Proceedings, Patents, Standards, Theses & Dissertations, Trade Literature

Unit-III:

Secondary Information Sources (Print and Electronic) - Dictionaries, Encyclopedias, Bibliographies, Indexing & Abstracting, Statistical sources, Handbooks and Manuals; Tertiary Information Sources (Print and Electronic)- Directories, Year Books, Almanacs.

Unit-IV:

Reference Sources - Bibliographical, Biographical, Educational, Language and Geographical. Evaluation of Reference Sources

Suggested Reading:

Text Books:

✓/ Singh G. (2013). Information Sources, Services and Systems. PHI Learning Pvt. ✓/ Kumar, P S G. (2004). "Information Sources and Services ". Delhi; B.R.Publishing Corporation. ✓/ Kaul, H K (1999). "Library Resource Sharing and Networks ". New Delhi; Virgo

Reference Books:

✓/ <https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=9JW4FTxYrU+Wsr8x18vgiw==> ✓/

<https://eoankosh.ac.in/handle/123456789/32997>

<https://ebooks.inflibnet.ac.in/eadhyayan/site/genre?id=Library%20and%20>

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Paper-4

Information Services

Course

- Acquire skills in providing reference and information services.
- Analyse and develop various information services and products for different categories of users

Unit-I:

Information services - Definition, Need, Nature, Types and Function, Implications of Five Laws of Library Science, Community Information Services

Unit-II:

Abstracting services — Definition, Need, Types and Guidelines; Indexing services- Definition, need, process; Translation services- Definition, need, process; Literature search and selection of documents — search strategies

Unit-III:

Alerting Services - CAS, SDI, Inter Library Loan and Document Delivery Service Unit-IV:

Reference Services — Concept and Types- Short range and Long range reference service; Referral Services, Reference Service: Theories and tools

Suggested Reading:

Text Books:

✓/ Katz, A. (1992). Introduction to Reference Work. 2 V. 6th Ed. New York: McGraw Hill. ✓/ Krishan Kumar (1989).

Reference Service. New Delhi: Vikas.

✓/ Ranganathan, SR. (1960). Reference Service and Bibliography, Ed. 2. Bombay: UBS Publishing.

✓/ Bose, H. (1986). Information Service: Principles and Practice. New Delhi: Sterling.

Paper- 6

Semester-III

Library Management-I

- Understand basic management principles applied in Libraries o Know different library housekeeping operations and their flow of work
- Learn management practices with regard to human and financial resources.

Unit-I:

Management - Principles, Functions and Schools of thought. Book Selection Tools and Principles, Library Committee and its role and functions

Unit-II:

Library House Keeping Operations -; Library Acquisition, Technical Processing, Circulation, Serials Control, Maintenance and Stock Verification; Preservation and Conservation; Hazards and Control Measures of Library Materials.

Unit-III:

Human Resource Management — Planning, Job Analysis, Job Description, Job Evaluation, Selection, Recruitment, Motivation, Training and Development, Performance Appraisal; Staff Manual

Unit-IV:

Financial Management in Libraries - Sources of Finance, Resource Mobilisation, Budgeting Methods; Cost Effective and Cost Benefit Analysis, Annual Reports & Statistics; Library Authority and Committee.

Suggested Reading:

Text Books ✓/ Narayana, G. J. Fundamentals of Library Management. New Delhi: Prentice Hall.

Mittal, R.L. (1984). Library administration: Theory & practice. New Delhi:

Metropolitan.

✓/ Krishna Kumar (1991). Library Organization. New Delhi: Bikash Publish House.

Reference Books ✓

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<https://eoankosh.ac.in/handle/123456789/32992> ✓

[https://ebooks.inflibnet.ac.in/eadhyayan/site/genre/rare%20and%20Information%20Science](https://ebooks.inflibnet.ac.in/eadhyayan/site/genre/rare/Oand%20Information%20Science)

PAPER-7

Computer Fundamentals

Understand the basics of computer technology including both hardware and software

Acquainted with computer networks and telecommunication channels

Apply and work with MS Windows and Office tools

Unit-I:

Introduction to Computers: Characteristics, Generations and Classification-Super computers, mainframes, mini and microcomputers, Basic Architecture, Character Representation (ASCII, ISCII, Unicode) Computer Hardware: Input, Output & Storage devices

Unit-II:

Computer Software: System and Application software, Operating System- Types, functions, Programming Languages — Object Oriented, Procedural, High Level, Scripting; Web Languages. Open-Source vs. Commercial Software

Unit-III:

Computer Networks - Topologies, Types of Networks — LAN, MAN, WAN. Network Hardware Network interface card, hubs/switches, Gateways/Bridges, routers, modem

Unit-IV:

Telecommunication - Transmission Channels, Mode, and Media,
ISDN, PSDN, Multiplexing, Modulation, Standards and Protocols;
Wireless Communication — Media, Wi-fi, Li-fi, Satellite
Communication, Mobile Communication

Practical Component:

- Operating Systems
- Office Management Suite (Word Processing, Spreadsheet, Slide presentation)

Suggested
Reading

Text Books: Course Outcome:

✓ Nair, R. (2002). Accessing Information through Internet. New Delhi:
Ess Ess Publications. ✓

Rajaraman, V, (1999). Fundamentals of Computers. New Delhi:

Prentice Hall. Sinha, P. K. (2003). Computer Fundamentals. New
Delhi: BPB Publications.

Reference Books:

<https://egyankosh.ac.in/handle/123456789/32999> [https://epgp.inflibnet. ac in/Home/ViewSubject ? catid=9JW4FTxyl I-J+ Wsr8x18vgiw = ✓ https ://ebooks. inflibnet. ac in/eadhyayan/site/genre ?*id=Library%20and%20Informati*](https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=9JW4FTxyl-I-J+Wsr8x18vgiw)

Internet and Web Technologies

PAPER-7

- i. fundamentals of internet technologies, protocols and services
- ii. Acquainted with data security tools and technologies
- iii. Work with web browsers, email and videoconferencing applications

Unit-I:

Internet - Web browsers, WWW, E-mail; Subject directories, Search Engines, Meta and Entity Search engines

Unit-II:

Internet Protocols and Standards - HTTP, HTTPS, FTP, SMTP, TCP/IP, URI, URL, OSI Model, Client-Server Architecture, CGI, REST/API

Unit-III:

Hypertext, Hypermedia, Multimedia, Video conferencing, Virtual Reality, Augmented Technologies.

Unit-IV:

Data Security, Network Security, Firewalls, Cryptographic Techniques, Anti-virus software, Antispyware, Intrusion Detection System.

Practical Component:

- Use of web browsers for searching online information, simple, advanced search
- Use of Videoconferencing with Google meet
- Use of Email for sending and receiving message

SEMESTER-IV

Electronic Information Resources

- Familiar with different categories of information Resources in electronic & Web media
- Skilled in handling databases for retrieving information efficiently
- Able to evaluate e-resources for necessary validation and

ranking Unit-I:

E-resources: Definition, evolution, characteristics and types, E-Resource Life Cycle, Electronic

Resource Management- Concept, need and systems; Copyright and E-Resources, Copyright vs Copy left

Unit-II:

E-Books-Definition, Types, features, advantages and disadvantages;

E-Journals- Definition, Types, features, advantages and disadvantages; Selection policies and subscription models

Unit-III:

Databases: Bibliographic, Numeric, Full text, Multimedia; Open Access Databases (DOAJ,

DOAB, Open DOAR, ROAR), Citation Indexing Databases - WoS, Scopus, Google Scholar, Semantic Scholar, BASE, Open Alex

Unit-IV:

Web based information resources: Subject Gateways, Web Portals, Bulletin Boards, Discussion Forums /Groups; Evaluation of e-resources and Web Resources.

Practical Component:

- Searching for e-books and journals online
- Use of Google Scholar Database
- Evaluation of e-resources

Suggested Reading:

Text Books

✓ Cole, L. (2013). Electronic Resource Management: A Handbook. Facet Publishing.

✓ Holly, Y. (2008). Electronic Resource Management in Libraries: Research and Practice. IGI Global.

✓ Lee, S. D. Building an Electronic Resource Collection: A practical guide. London: Facet Publishing

Reference Books ^v

<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=9JW4FTxyrU+Wsr8x18vgiw==> ^v

<https://ebooks.inflibnet.ac.in/eadhyayan/site/genre?id=Library%20and%20Information%20Science>

[HTtps://ebooks.inflibnet.ac.in/eadhyayan/site/genre?id=Library%20and%20Information%20Science](https://ebooks.inflibnet.ac.in/eadhyayan/site/genre?id=Library%20and%20Information%20Science)

Paper-9

Knowledge Organization

- Understand the basic principles and theories of library classification
- Acquainted with subject representation techniques and faceted approaches knowledge organization
- Familiar with internationally adopted library classification system

Unit-I:

Definition, Need, Purpose and Functions of Classification, Basic Terminologies and historical perspectives, Basic Terminologies of Library Classification, Species of Library Classification Enumerative vs. Faceted, Call Number: Class Number, Book Number and Collection Number, Organization of Universe of knowledge, Classification vs Ontology

Unit-II:

Classification — Theories, Canons, and Principles; Taxonomies, Folksonomy, APUPA arrangement of subjects, Fundamental Categories, Phase Relations, Modes of Formation of Subjects

Unit-III:

Notations: Definition, Purpose, Types, Qualities, Canons of Notational Plane, Design of Depth Classification Scheme: Basic considerations and methodology

Unit-IV:

Dewey Decimal Classification (DDC): Salient Features, Structure and layout, organization-DDC Summaries, Relative Index, Table Schedules Summaries, Notation; Colon Classification: Salient features and Components. Facet analysis, principles, Phase Relations, Common Isolates

Suggested Reading:

Text Books:

✓/ Krishan Kumar (1980). Theory of Classification, 4 Ed. New Delhi: Vikas.

✓/ Kumar, P.S. G. (2003). Knowledge organization, Information processing and retrieval theory. Delhi: BR ✓/ Ranganathan, S.R. (1960). Colon Classification, 6th ed. Bangalore: Sarada Ranganathan Endowment for Library Science.

✓/ Ranganathan, S.R. (1957 & 1965). Prolegomena to Library Classification, Ed2, London: LA.

Reference Books:

✓/ <https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=9JW4FTxyrU+Wsr8x18vgiw==> ✓/
<https://ebooks.inflibnet.ac.in/eadhyayan/site/genre?id=Library%20and%0201nformation>

Course Outcome:

- Understand the structure and mapping of subjects in DDC
- Learn practical steps in classification of books
- Apply the knowledge and skills of classification in classifying library resources.

Unit-I:

Introduction to Three Summaries and Steps in Classifying Documents as per DDC-19th Edition, Classification of Simple Subjects

Unit-II:

Use of Schedules, add instructions for number synthesis,
Classification of complex subjects

Unit- III:

Use of the seven Tables and instructions to add the core numbers with numbers from different tables

Unit-IV:

Practical steps in using Colon Classification, Main Classes, Basic Classes, Facets and Isolates, Classification Simple Numbers

Suggested Reading:

Text Books:

✓/ Raju., A.A.N. (1985). Universal decimal and colon Classification.

- ✓/ Satija, M.P. and Comaromi, J.P. (1998). Exercises in the 21st Edition of Dewey decimal classification. New Delhi: Concept.
- ✓/ Dewy Decimal Classification System - 23rd Edition

Reference Books:

✓/

<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=9JW4FTxyrU+Wsr8x18vgiw==> ✓/
<https://egyankoshac.in/hand1e/123456789/3299>

SEMESTER-V

PAPER 11 Web based Information Services

- Acquired skills in providing Web based and mobile based library services.
- Use social networking tools for information communication and academic collaboration.
- Understand and apply discovery service tools in libraries

Unit-I:

Web based information services: Web 2.0 and 3.0 - Library 2.0- Concept, Characteristics, Components; Instant Messaging, RSS Feeds, Podcasts, Vod casts, Ask a Librarian

Unit-II:

Web-scale Discovery Services- Definition, Need, Purpose, Features, Mechanism, Discovery tools and Service Providers

Unit-III:

Mobile based Information Services and Tools — Mobile OPAC, Mobile Databases, Mobile Library Website, Library Apps, Mobile Library Instructions, Augmented Reality, SMS Alerts, Geo Location, Reference Enquiry, Chat Bot

Unit-IV:

Collaborative Services- Social Networks, Academics Social Networks, Social Tagging, Social Bookmarking

Suggested Readings:

Text Books:

- ✓/ Anderson, P. (2012). Web 2.0 and Beyond: Principles and Technologies. Chapman and Hall/CRC
- ✓ SuberP. (2012). Open Access. MIT Press
- ✓ Paliwal, P K. and Balkrishnan, S. (2001). "Systems and Practices of Effective Librarianship". New Delhi; Anmol Publications.

PAPER- 12 Information Systems

- Understand the fundamentals of information systems and their types
 - Known about information systems at national and international level
 - Understand resource sharing practices through library consortia
- Unit-I:

Information System: Basic Concept, Categories of information

systems: libraries, documentation centres, referral centres, information analysis centres, databanks etc. their structure and functions.

Unit-II:

National Information Systems and Networks: NISCAIR, DESIDOC, SENDOC, ENVIS, INFLIBNET, DELNET, NICNET, ERNET, National Knowledge Network (NKN),

Unit-UI:

International Information Systems and Networks: INIS, AGRIS, INSPEC, MEDLARS, BIOSIS, ERIC, Patent Information System (PIS), Biotechnology Information System (BIS).

Unit-IV:

Library Resource Sharing and Library Consortia — National-E-Sodh Sindhu, NKRC, FORSA, CeRA and International-ICOLC

Suggested Readings:

Text Books:

v/ Bose, K. (1994). "Information Networks in India: Problems and Prospects. " New Delhi Ess Ess Publications.

s/ Singh G. (2013). Information Sources, Services and Systems. PHI Learning Pvt v/ Kaul, H K (1992). "Library Networks: An Indian Experience ". New Delhi; Virgo Publications.

Reference Books:

v/

<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=9JW4FTxYrU+Wsr8x18vgiw— = v/>

<https://ebooks.inflibnet.ac.in/eadhyayan/site/genre?id=Libraw%20and%20informati on%20Science>

Y/ <https://ezyankosh.ac.in/handle/123456789/4857>

PAPER-13

Resource Description

1. basic principles and theories of library cataloguing
2. Acquainted with subject cataloguing, different types entries using AACR-II and CCC
3. Familiar with computerized cataloguing and metadata

standards Unit-I:

Catalogue: Concept, Purpose and Objectives of Library Catalogue, Forms of Catalogue: Outer and Inner Forms- Outer Forms: Conventional and Non-Conventional; Inner forms: Alphabetical, Classified and, Alphabetico-Classified Catalogue. Entries: Types, Formats & their functions, Data elements in different types of Entries

Unit-II:

Cannons and Principles; Centralized and Co-operative Catalogue; Library Cataloguing Codes: Basic Features of AACR-II and CCC; Subject Cataloguing- Concept, Objectives, General Principles, Subject Heading Lists & their features: Library of Congress Subject Headings (LCSH) and Sears List of Subject Headings (SLSH), Subject Cataloguing through Chain Indexing.

Unit-III:

Standards of Bibliographic Record Formats and Description — ISBD, MARC 21, CCF, RDA,

FRBR; Standards for Bibliographic Information Interchange & Communication — ISO 2709, Z39.50, Z39.71. Bibliographic data models (Library Reference Model of IFLA, BIBRAME 2.0) Unit-IV:

Metadata Standards: Dublin core; MARC21, METS, MODES, EAD•, Domain-specific metadata schemes (LRMI, LIDO, VRA Core etc.)

SEMESTER-VI

PAPER-14

LIBRARY CATALOGUING PRACTICE

structures and rules of AACR-II Code

Learn practical steps in cataloguing in different entry formats

Apply the knowledge and skills of cataloguing in creating catalogue records for library resources.

Unit-I:

AACR-2R: Cataloguing of Titles with Single Author and multiple authors (Both Main and Added entries)

Unit-II:

AACR-2R: Cataloguing of Titles of Edited volumes, composite books, multi volume publications (Both Main and Added entries)

Unit-III:

AACR-2R: Cataloguing of Titles with corporate authorship (Both Main and Added entries)

Unit-IV:

AACR-2R: Cataloguing of Non-book materials- cartographic materials and audio-visual materials (Both Main and Added entries)

Library Management — II

- Understand modern management concepts and strategies
- Learn principles of knowledge management Unit-I:

Management Information System (MIS), MBO, Change Management, Disaster Management, Crisis Management.

Unit-II:

Total Quality Management (TQM) - Concepts, Principles and Techniques, Six Sigma; Evaluation of Services of Libraries and Information Centers, Quality Indicators: ISO 9000, LibQUAL+, COUNTER, SUSHI .

Unit-III:

Project Management- SWOC, PEST, PERT / CPM. Unit-IV:

Knowledge Management — Principles, Tools, Components and Architecture.

Suggested Readings:

Text Books:

✓/ Singh, M. (1983). Library and information management: Theory and practice. Delhi: IBT. ✓/ Singh, R. S. P. (1990). Fundamentals of library administration and management. Delhi:

Prabhat Publications.

✓/ Stuart, R. D. & Moran, B. B. (2013). Libraries and information center management. 8th ed.

London: Libraries Unlimited.

Reference Books

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✓/ <https://eoankosh.ac.in/handle/123456789/4791> ✓/

<https://ebooks.inflibnet.ac.in/eadhvayan/site/genre?id=Library%20and%20informatics%20on%20Science>

SEMESTER-VII

PAPER-16

Library Automation

- Understand process and concept of automated housekeeping operations in libraries
- Acquaint with the planning and selection of software and hardware for library automation ■ Analyse various standards used for automation of library operations
- Acquaint with current computing technologies related to library automation

Unit-I:

Library Automation: Definition, purpose and different automated housekeeping operations, Planning, Selection of Hardware and Software, Implementation and Evaluation

Unit-II:

Study of Individual Automation Software Packages and their features: Koha, SOUL and E-Gra Unit-III:

Standards for Library Automation; Barcode, RFID, QR Code, Biometric, Smartcard: Features and Applications.

Unit-IV:

Application of Artificial Intelligence, Expert Systems and Robotics

in Libraries; Social Mobile Analytics Cloud (SMAC); Cloud Computing

Practical Component:

Hands on experience with Library Management

- Software Koha Installation
- Customization
- Working with different modules

Suggested Readings:

Text Books:

- ✓/ Haravu, L. J. (2004). Library automation design, principles and practice. New Delhi: Allied Publishers.
- ✓ Pandey, S. K. (2000). Organization of Library Automation. New Delhi: Anmol Publications.
- ✓/ Reddy, S. (2001). Automated Management of Library Collections. New Delhi: Ess Ess-

PAPER-17

Digital Library Systems

- Understand the concept of digital library and its architecture, standards and formats
 - Acquaint with the process of creation of digital libraries and institutional repositories
 - Create an awareness on management of digital resources and their preservation
 - Familiar with digitization techniques and apply these techniques in digitization of library materials

Unit-I:

Digital Library: Genesis, Characteristics, Types, Architecture; Standards, Formats and Protocols, Persistent identifiers: DOI, CNRI handle, Orcid, ROR

Unit-II:

Digitization — Planning, Selection of Materials,

Hardware, Software, Process, Issues Unit-111:

Institutional Repositories - Need, Purpose, Types and Tools;
Institutional Repositories in India; ROAR, DOAR, Sherpa/R0MEO,
Sherpa/ Juliet

Unit-IV:

Digital Preservation - Need, Purpose, Standards, Methods,
Techniques, Projects (National and International)

Practical Component:

Hands on experience with Digital Library Software-

- GSDL and DSpace Installation
- Customization
- Functionality Suggested Readings:

Text Books:

✓/ Chowdhwy, G. G. (2003). Introduction to Digital Libraries.
London: Facet Publishing ✓/ ICADL: Tutorials on Digital
Libraries. Bangalore, 2001. 40 ✓/ Leona Carpenter, Simon
Shaw & Andrew Prescott: Towards the Digital Library.
London:
LA, 1998.

Lee, Stuart D: Digital imaging: A practical handbook. 2000.

Reference Books ✓/

<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=9JW4FTxyrU+Wsr8x18vgiw—=✓/>

[https://ebooks.inflibnet.ac.in/eadhyayan/site/genre?id=Library%20and%20Information %20Science](https://ebooks.inflibnet.ac.in/eadhyayan/site/genre?id=Library%20and%20Information%20Science)

PAPER-18

Research Methodology

- Understand the basic concept of research and research methods, types of research
- Acquaint with various research techniques and tools applicable to Library & Information Science
- Develop and apply the skills for data analysis and interpretation
- Acquire knowledge and skills for effective report writing

Unit-I:
Research - Concept, Purpose, Functions, Scope and Ethics; Types of Research—Basic and

Applied, Interdisciplinary and Multidisciplinary. Research Methods: Historical, Descriptive, Experimental and Delphi

Unit-II:

Research Design - Selection of Research Problem, Review of Literature; Formulation of Research Problem; Hypothesis — Formulation, Types and Testing, Sampling Techniques

Unit-III:

Methods of Data Collection: Questionnaire, Interview, Observation, Library Records, Scales and Checklist, Data Analysis and Interpretation - Presentation of Data; Statistical Methods/Techniques;

Unit-IV:

Research Report Writing and Citation Tools — Structure, Style, Contents, Guidelines; Style Manuals; Online Citation Tools; Reference Style Management Tools; Similarity Checking Tools; Evaluation of Research Report

Research Evaluation Metrics

PAPER-19

Understand different laws of bibliometrics and their application

- Familiar with different research evaluation metrics and their
- methods of calculation
- Acquaint with research ethics and
- awareness of research misconducts

Apply knowledge of research metrics to evaluate research productivity both an individual and institutional level

Unit-I:

Metric Studies in LIS — Bibliometrics- Laws of Bibliometrics- Lotka's Law, Bradford's Law, Zips Law, Scientometric, Webometrics, Altmetrics, Informetrics

Unit-II:

Concept of Citation, Citation count, Self-citation, Co-citation, Bibliographic Coupling, Journal Impact Factor, Citation and Quality Indicators: H-index, i10 - index, G-index

Unit-III:

Citation Databases: Web of Science, Scopus, ICI, Google Scholar, Publish or Perish, SCImago Journal and Country Rank, Webometric tools & techniques, Research impact analysis: IRINS

Unit- IV:
Principles of Research Ethics, Research Misconduct, definition, types: Falsification, Fabrication, Plagiarism, Conflict of Interest, and Salami Slicing, Plagiarism and its detection

Suggested Readings:

Text Books:✓ Sehgal, R. L. (1998). Applied statistics for Library science research. New Delhi: Ess Ess Publications.

✓/ Arora, P. N., & Arora, S. (2010). Comprehensive Statistical

Methods. New Delhi: S. Chand & Creswell, J. W. (2002).
Research Design: Qualitative, quantitative, and mixed method
approaches. New Delhi: SAGE Publications

Reference Books:

[https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=9JW4FTxyr
\(J+ Wsr8x18vgiw ==](https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=9JW4FTxyr(J+Wsr8x18vgiw==)

[https://ebooks.inflibnet.ac.in/eadhyayan/site/genre? d=Library%2
Oand%20Information%20Science](https://ebooks.inflibnet.ac.in/eadhyayan/site/genre?d=Library%20and%20Information%20Science)

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<https://egyankosh.ac.in/handle/123456789/4835>

SEMESTER-VIII

Paper-20

Library Systems and Specialised Services

Course Outcome:

- Understand features and function of academic, public, and special libraries.
- Familiar with specialized library systems in different domains of subjects.
- Acquaint with other forms of organizations related to libraries including Archive and Museums

Unit-I:

Library Systems- Academic, Public and Special- their distinguishing feature and functions

Unit-II:

Health Science Library System-Features and

Functions, Resources and services Unit-111:

Engineering, Technological, and Agricultural Library System-
Features and Functions, Resources and services

Unit-IV:

Archive, Museums and Oriental Library Systems- Features and Functions,
Resources and services

Suggested Readings:

Text Books:

✓ Raval, A. K. (2013). Handbook of Public Library System. Discovery Publishing House.

ISBN-9789350563854

Dayal, B. (2011). Managing Academic Libraries. Isha Books
ISBN- 978-8182055223 ✓ Hoffman, F & Wood, R. J. (2005).
Library Collection Development Policies: Academic, Public,
and Special Libraries, Scarecrow Press, ISBN- 978-0-8108-
5180-1

Reference : <https://nios.ac.in/media/documents/vocational/CLS/Certificate>

Course_in Library_Scie nce english/M1 PDF/MIL4.pdf
<https://egyankosh.ac.in/bitstream/123456789/33045/1/Unit-8.pdf>
<https://eoankosh.ac.in/bitstream/123456789/34898/1/Unit-2.pdf>
✓ <https://epgp.inflibnet.ac.in/epgpdata/uploads/epgpcontent/S000021LI/P000102/M004257/ET/1498804480ModuleIDSRL-l-etext-SpecialLibrawCharacteristicsandFunctions.pdf> [https://nios. ac. in/media/documents/SrSecL ibrary/L Ch- 002.pdf](https://nios.ac.in/media/documents/SrSecL ibrary/L Ch- 002.pdf) ✓
<https://ebooks.inflibnet.ac.in/lisp 12/chapter/history-and-development-of-speciallibraries/>

- Identify user communities and their information need
- Understand the concept of user education, user study and information literacy
- Apply and design different methods to promote user education and information literacy

Unit-I:

Composition of User Community, Classification of Users: Planners, Policy Makers, Managers,

R&D Personnel, People at Grass Root, Academics; Assessment of Information Needs of Users, Information Seeking Models

Unit-II:

User Study: Its Need, Types, benefits, and Steps in Planning User Studies, impact on LIS; Methods of Users' study- Questionnaire Method, Case Study Method & Interview Method, Observation Method and Survey Method

Unit-III:

User Education: Concept, need, Methods of User Education; Information Seeking Behaviour (OSB): Concept and Models.

Unit-IV:

Information Literacy: Meaning and Concept, Salient Features of Information Literacy, Digital Information literacy, Information Literacy Models

Suggested Readings:

Text Books:

✓/ Kumar, P.S.G. (2004) Library and users:

theory and practice. Delhi: B. R. Corporation

✓/ Laloo, B. T. (2002). Information need, information seeking behaviour and users ". New Delhi: EssEss publications .

✓/ Prasad, H. N. (1992). Information needs and users. Varanasi: Indian Bibliographic Center.

✓/ Ramaiah, L. S. et .al . (1997) Information and Society. New Delhi: EssEss publication.

Reference Books:

✓/

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<https://ebooks.inflibnet.ac.in/eadhyayan/site/genre?id=Library%20and%20Information%20Science>

PAPER-22

MARKETING OF LIBRARY PRODUCTS AND SERVICES

Course Outcome:

- Understand basic tenets of marketing and related concepts
- Learn about information marketing and its strategies
- Apply different techniques to develop information products and promote their marketing.

Unit-I:

Marketing- Meaning, importance, core concept, market segmentation, marketing mix, The 7Ps of marketing

Unit-II:

Information Marketing- Information as a

marketable commodity, Demand and Supply of
information, need for information marketing

Unit-III

LIS Products and Services -Pricing, Distribution
Channels and Communication Strategies,
Information Analysis, Consolidation and
Repackaging

Unit-IV:

Advertising, Sales Promotion, Public Relations and E-
Marketing/ Digital Marketing

Suggested Readings:

Text Books √/ Seetharama, S. (2015). Marketing in
Libraries and Information Centres. New
Delhi: Ess Ess Publications.

√/ Thomsett-Scott, B. C. (2013).

Marketing with Social Media. Facet
Publishing √/ Rowley, J. (2016).

Information marketing. (2nd ed.). New
York: Routledge.

√/ Dalkir, K. (2005). Knowledge management in theory and practice.
UK: Elsevier

Understand the concepts of information retrieval systems,
indexing systems and vocabulary control.

- Learn about information retrieval models and theories
- Evaluate different information retrieval systems and analyze their compatibility issues
- Unit-I:

Information Retrieval System (IRS): Definition, Concept, Components, Functions, and Qualities, ISRS Systems: Types of IRS- Design and Operation

Unit-II:

Indexing Systems and Techniques: Assigned - Pre-coordinate; Post-Coordinate; Derived- Titlebased; Vocabulary Control

Unit-III:

Classical Models of Information Retrieval: Basic Concept, Term matching vs. Similarity matching, Boolean Model, Vector Space Model, Probabilistic Model, Semantic search (Vectorization)

Unit-IV:

Evaluation of ISRS: Purpose, Criteria and Steps, Common Evaluation Measures: Recall vrs Precision; Compatibility of Information Storage and Retrieval-System: Areas of Compatibility, Retrieval metrics (F1 NDCG)

Suggested Readings:

Text Books ^{v/} Alberico, R. and Micco M. (1990).

Expert systems for reference and Information retrieval. West Port: Meckler.

^{v/} Chowdhury, G. G. (2003). Introduction to modern

Information retrieval. 2nd Ed.

London, Facet Publishing.

- ✓ Lancaster, F. W. (1968). Information retrieval systems, characteristics, testing and evaluation. London: Facet Publishing