



(Master of Library and Information Science) (Library and Information Science)
(M.L.I.Sc.) (Library and Information Science) Semester II

Course Code	PA02CLIB51	Title of the Course	Information Storage and Retrieval
Total Credits of the Course	5	Hours per Week	5

Course Objectives:	<ol style="list-style-type: none"> 1. To understand the concept of indexing. 2. To get acquainted with different types of vocabulary control devices. 3. To get an insight into the provisions in a thesaurus and methodology of its constructions with reference application of computers. 4. To recognize different tools and techniques associated with the artificial intelligences based subject indexing systems. 5. To explore the strengths and weaknesses of different indexing techniques
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Course Content		
Unit	Description	Weightage* (%)
I	Cataloguing & Subject Indexing: Principles of Subject Cataloguing: Assigning Subject Heading Using Library of Congress Subject Heading & Sears List of Subject Heading Etc. Pre-& Post Co-Ordinate Indexing & Citation Indexing	25%
II	Indexing Languages & Vocabulary Control: Indexing Languages: Types & Characteristics Vocabulary Control: Tools of Vocabulary Control Structure & Construction of an IR Thesaurus, Design and Development of IR Thesaurus Trends In Indexing Assigned Indexing Practice Derived Indexing Practice Formulation of Search Strategy Search Engines Federated Search Aggregators Subject Gateways New Trends: Semantic Web, OWL (Ontology Web Language)	25%
III	Information Retrieval: IR Models, Basic Models, Models Based On Theory, Tools And Recent Models; Search Strategies: Evaluation of Information Retrieval Systems; Trends In IR Models New Trends: Data Storage and Data Management – Features and contribution of AI (ML + DL), IoT in Intelligent Data Management.	25%
IV	Abstract & Abstracting: Concept, Purpose & Its Usefulness: Characteristics of Good Abstract Types Abstracting Procedure Standards & Guidelines For Preparing Abstract Automatic Abstracting.	25%





Teaching-Learning Methodology	Classroom Teaching; Seminar, Assignment; Project work; Practical
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Acquire knowledge on concepts and terminologies in Information Processing and Retrieval Theory.
2.	Understand and apply various Indexing systems and Bibliographic Description Standards
3.	Apply search strategies to locate and retrieve required information.
4.	Differentiate the past, present and current practice of Information and Data Storage and Retrieval tools and techniques.
5.	Understand the marketable value of information products and services.
6.	Applies the principles, approaches and methods of marketing in the Library Environment.

References	
1.	Foskett (AC). The Subject Approach to Information. 4th Ed. London: Bingley, 1982.
2.	Chowdhary (GG). Introduction to Modern Information Retrieval. 2nd Ed. London: Facet Publishing, 2003. Gopinath (MA). Construction of Depth Version of Classification: A Manual. New Delhi. Wiley Eastern Limited, 1986.
3.	Gorman (GE) Ed. Meta Data Application for Management, London, Facet Publishing, 2003.
4.	Harter (Stephen P.). Online Information Retrieval: Concept, Principles and Techniques, Orlando, Academic Press, 1978.





5.	Hepas (ITS). Information Retrieval: Computational and Theoretical Aspects. New York, Academic Press. 1978.
6.	Houghton (Bernard) and Convey (John). Online Information Retrieval Systems: An Introductory Manual to Principles and Practices. 2nd Ed. London Clive Bingley, 1984.
7.	Houghton (Bernad) Ed. Computer Based Information Retrieval Systems. London, Clive Bingley, 1968.
8.	Atchison (Jean) and Gilchrist (Alan). Thesaurus Construction: A Practical Manual. London: Aslib. 1972.
9.	Lancaster (F Wilfrid). Information Retrieval Systems: Characteristics, Testing and Evaluation. 2nd Ed. New York: Wiley, 1979.
10.	Ranganathan (S R). Prolegomena to Library Classification V1, Bangalore, Sarda Ranganathan Endowment for Library Science, 1967. Page 14 of 21
11.	Ravichandra Rao (I K). Library Automation DRTC, Refresher Seminar (14) 1983.
12.	Rowley (Jennifer E). Abstracting and Indexing. Aldorshot: Gower, 1997.
13.	Salton (G) Automatic Information Organisation and Retrieval, 1968.
14.	Seetaram (S). Information Consolidation and Repackaging. Y. K. Publishers.
15.	Simmons (P) and Hopkins (A). CCF: The Common Communication Format. Paris: UNESCO, 1984.
16.	Stokes (Adrian). Concise Encyclopaedia of Information Technology. 3rd Ed. Hants Wild Weed, 1986.
17.	UNESCO. CCF. Paris: UNESCO. 1988.
18.	Vickery (B C). Techniques of Information Retrieval. London: Butterworths, 1970.
19.	Vickery (B C). Information Systems; 1973.

On-line resources to be used if available as reference material

On-line Resources

Korfhage, R.R., 1997. *Information storage and retrieval*. John Wiley & Sons, Inc.
Link: <https://dl.acm.org/doi/abs/10.5555/260869>

Martin, C.W., Reid, F.S., Forbus, G.L., Adams, S.M., Shannon, C.P. and Pirpich, E.A., E Systems Inc, 1996. *Mass data storage and retrieval system*. U.S. Patent 5,504,873.
Link: <https://patentimages.storage.googleapis.com/5a/0f/32/3a1cc33cb611db/US5504873.pdf>





(Master of Library and Information Science) (Library and Information Science)
(M.L.I.Sc.) (Library and Information Science) Semester II

Course Code	PA02CLIB52	Title of the Course	Information Storage and Retrieval - Practical
Total Credits of the Course	5	Hours per Week	5

Course Objectives	<ol style="list-style-type: none">1. To make the students hands-on practice of the various indexing system.2. To explore the different tools and techniques of search strategies for efficient and effective Information System.3. To enhance understanding of AI in respect to Data and Information Retrieval.
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Course Content		
Unit	Description	Weightage (%)
1.	Preparation of Abstracts (50%) Preparation of Index (50%)	100

Teaching Learning Methodology	Class Room Teaching; Practical Work through Computer Lab; Use of Resources through Central Library; PPT Presentation; Online Teaching; Through off campus Library Visit and Study Tour; Seminar & Presentation Mode
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination (As per CBCS R.6.8.3.)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3.)	15%
3.	University Examination	70%





Course Outcomes: Having completed this course, the learner will be able to

1.	Aware of various indexing system.
2.	Prepare and present techniques of search strategies.
3.	Scale up the similarities and differences between current and Future AI based Information System.

Suggested References:

Sr.No.	References
1.	Egozi, O., Markovitch, S., & Gabrilovich, E. (2011). Concept-based information retrieval using explicit semantic analysis. <i>ACM Transactions on Information Systems (TOIS)</i> , 29(2), 1-34.
2.	Paralic, J., & Kostial, I. (2003). Ontology-based information retrieval. In <i>Proceedings of the 14th International Conference on Information and Intelligent systems (IIS 2003)</i> , Varazdin, Croatia (pp. 23-28).
3.	Soni, S., & Roberts, K. (2021). An evaluation of two commercial deep learning-based information retrieval systems for covid-19 literature. <i>Journal of the American Medical Informatics Association</i> , 28(1), 132-137.
4.	Birdwell, J. D., Wang, T. W., Icov, D. J., Horn, S. P., & Rader, M. S. (2013). <i>U.S. Patent No. 8,375,032</i> . Washington, DC: U.S. Patent and Trademark Office.

On-line Resources to be used if available as reference material

On-line Resources

https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=AI+based+information+retrieval+manual&btnG=

<https://epgp.inflibnet.ac.in/>

<http://egyankosh.ac.in/>

<https://ndl.iitkgp.ac.in/>

<https://www.vmou.ac.in/slm>

<https://baou.edu.in/syllabus-slm-e-books>

http://spuvvn.edu/administration/service_centres/library/collection/index.php

<https://nios.ac.in/online-course-material/sr-secondary-courses/library-and-information-science.aspx>





(Master of Library and Information Science) (Library and Information Science)
(M.L.I.Sc.) (Library and Information Science) Semester II

Course Code	PA02CLIB53	Title of the Course	Research Methodology and Statistical Techniques
Total Credits of the Course	5	Hours per Week	5

Course Objectives:	<ol style="list-style-type: none"> 1. To understand methodological way of inquiring leading to research. 2. To develop a skill to identify an analytical and logical way of explorations. 3. To identifies the organization and planning of deliberated inquiry/research 4. To familiarize with tools and techniques of academic research 5. To acquainted with the skillset of statistical application for research 6. To practice on research report writing and scholarly publication 7. To know the world of scholarly publication and its matrices
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Course Content		
Unit	Description	Weightage* (%)
I	<p>Research: Concept, Meaning and Process of Research Types of Research-Fundamental and Applied including interdisciplinary and Multi-disciplinary approach. Research and development of scholarship. Trends in LIS Research</p> <p>Research Design: Conceptualization and operationalization Types of research design. Identification and formulation of problem. Hypothesis: nominal and operational definition. Designing research proposal. Literature review</p>	25
II	<p>Research Methods & Techniques: Scientific methods Historical methods Descriptive methods Survey methods and case study methods. Experimental methods and Delphi methods. Data collection techniques Questionnaire Interview Observation schedules</p>	25
III	<p>Data analysis and Interpretation Scaling and Measurements Descriptive static-measures of central tendency mean, mode and median Classification and tabulation Measurement of dispersion. Variance and covariance Standard deviation Graphical presentation: Bar diagram. Line graph, Histograms, Pie-chart. Testing of Hypothesis : Z-T test, Chi-square test Use of IT in Data Analysis: SPSS[Overview]</p>	25





IV	Research Reporting Synopsis Structure, style, concepts Guideline for research reporting Style manuals: Chicago-MLA-APA etc. Citation & methods of Research evaluation. Impact Factor, h-index Ethical aspects of research. Plagiarism	25
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Teaching-Learning Methodology	Classroom Teaching; Seminar, Assignment; Dissertation / Project work / Practical (Book Review, Review of Published Research Papers)
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Identifies the difference between Craftsmanship and Creativity in Research
2.	Differentiate the typology of Research – Discipline wise, Content wise, Approach Wise
3.	Prepare to be a research scholar using different problem of study
4.	Apply ethical sense in Research pursuance.
5.	Understand and apply statistical methods to scale up the research problem
6.	Explain the basics of research its methods, types and design.
7.	Interpret various data collection, analysis and interpretation techniques.
9.	Discuss about basics of research reporting and prepare a research report.





Suggested References:

Sr. No.	References
1.	Busha (Charles H). "Research Methods" In Encyclopedia of Library and Information Science. Vol.25, 254-293; Kent, Allen, Harold And Daily, Jay Sd. New York: Marcel Dekker.
2.	Connaway, L. S., & Powell, R. R. (2010). <i>Basic research methods for librarians</i> . ABC-CLIO.
3.	Gopal, M. H. (1970). <i>An Introduction to Research Procedure in Social Sciences</i> . Asia Publishing House.
4.	Grogan (D T). <i>Science and Technology and Information to Literature</i> .
5.	Goode, W. J., & Paul, K. (1952). <i>HATT, Methods in Social Research</i> .
6.	Kawatra, P. S. (2000). <i>Textbook of information science</i> . APH Publishing.
7.	Krishna Kumar. (1992) <i>Research Methods in Library and Information Science</i> .Vikas.
8.	Line, M. B. (1982). <i>Library surveys; an introduction to the use, planning procedure and presentation of surveys</i> (No. 04; C, Z665 L5.).
9.	Ravichandara Rao, I. K. (1985) <i>Qualitative Methods for Library and Information Science</i> . Wiley Eastern.
10.	Simon, J. L. (1989). <i>Basic Research Methods in Social Science: The Art of Empirical Investigation</i> .
11.	Simpson (Is). <i>Basic Statistics for Librarians</i> , 1988.
12.	Stevens (Rolland E). <i>Research Methods in Librarianship</i> , London, Bingley, 1971.
13.	Warb (Patricia Layzell) Ed. <i>Introductory Guide to Research in Library and Information Studies in the UK</i> London Library Association, 1975.

On-line resources to be used if available as reference material

On-line Resources

Goddard, W. and Melville, S., 2004. *Research methodology: An introduction*. Juta and Company Ltd.

Link:

https://books.google.com/books?hl=en&lr=&id=bJQJpsU2a10C&oi=fnd&pg=PA1&dq=Research+Methodology&ots=Xuo5TdBT9i&sig=upyf5A1gknXuxBI_VIWAOZ9458E





(Master of Library and Information Science) (Library and Information Science)
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Course Code	PA02CLIB54	Title of the Course	Dissertation / Digitization / Project - Practical
Total Credits of the Course	5	Hours per Week	5

Course Objectives	<ol style="list-style-type: none">1. To explore the various tools and techniques for the systematic investigation in the field of study.2. To undergone testing and examine the real-life issues for the solution in the field related to Library and Information Science.3. To enhance understanding and application of AI in respect to LIS research.
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Course Content		
Unit	Description	Weightage (%)
1.	Dissertation / Digitization / Project	100

Teaching Learning Methodology	Class Room Teaching; Practical Work through Computer Lab; Use of Resources through Central Library; PPT Presentation; Online Teaching Through off campus Library Visit and Study Tour; Seminar & Presentation Mode
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	University Examination	100%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Be a scholar of pursuit in the LIS and allied field.
2.	Prepare and employ systematic and sophisticated techniques of search and research.
3.	Scale up between current area of research and horizon of quest in the LIS and allied area of





interest of AI based future.

Suggested References:	
Sr. No.	References
1.	Egozi, O., Markovitch, S., & Gabrilovich, E. (2011). Concept-based information retrieval using explicit semantic analysis. <i>ACM Transactions on Information Systems (TOIS)</i> , 29(2), 1-34.
2.	Paralic, J., & Kostial, I. (2003). Ontology-based information retrieval. In <i>Proceedings of the 14th International Conference on Information and Intelligent systems (IIS 2003), Varazdin, Croatia</i> (pp. 23-28).
3.	Soni, S., & Roberts, K. (2021). An evaluation of two commercial deep learning-based information retrieval systems for covid-19 literature. <i>Journal of the American Medical Informatics Association</i> , 28(1), 132-137.
4.	Birdwell, J. D., Wang, T. W., Icove, D. J., Horn, S. P., & Rader, M. S. (2013). <i>U.S. Patent No. 8,375,032</i> . Washington, DC: U.S. Patent and Trademark Office.

On-line Resources to be used if available as reference material
On-line Resources
https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=AI+based+information+retrieval+manual&btnG=
https://epgp.inflibnet.ac.in/
http://egyankosh.ac.in/
https://ndl.iitkgp.ac.in/
https://www.vmou.ac.in/slm
https://baou.edu.in/syllabus-slm-e-books
http://spuvvn.edu/administration/service_centres/library/collection/index.php
https://nios.ac.in/online-course-material/sr-secondary-courses/library-and-information-science.aspx





(Master of Library and Information Science) (Library and Information Science)
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Course Code	PA02ELIB51	Title of the Course	Information Technology
Total Credits of the Course	5	Hours per Week	5

Course Objectives:	<ol style="list-style-type: none">1. Students explain the concept of Database and Database Management Systems2. Students explain Metadata3. Students demonstrate data mining4. Students illustrate data warehousing5. Students explain World Wide Web Consortium6. Students recognise the concept of electronic / digital information7. Students illustrate digitization process and summarise various problems8. Students recognise various input devices such as OCR and Scanners and explain its use in libraries and information centres9. Students illustrate different file formats10. Students classify various types of E-documents and explain their benefits11. To introduce communication tools and techniques.12. To provide the students basic knowledge electronic information.13. To illustrate the Internet and explain about data security.14. To develop familiarity with use of Internet in libraries.15. To recognize various publications of government and to explore possibility to develop a model to organize documents published in vernacular language.
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Course Content		
Unit	Description	Weightage* (%)
1.	Database & Database Management System: Meta data Data Mining Data Warehousing World Wide Web Consortium	25
2.	Electronic / Digital Information:	25





	<p>Meaning and Concept Digitization : Concept, Procedures and Problems Input devices : OCR, Scanners Formats : JPEG, GIF/BMP, Audio Formats MPEG, MP3, WAV E - Documents : Concept of E - Books and E – Journals Government Digital Information Management Impact of Libraries and Information Centers and Users</p>	
3.	<p>Communication : An overview of Tools and Techniques: E-Mail, Videotext, Tele Conferencing, Video Conferencing, VOIP [Voice Over IP], Hyper Media, Bulletin Board Service Mark-up Languages : HTML, XML, DHTML, SGML Protocols: Definition, Concept, Types: General, TCP/IP, OSI, SMTP, Telnet, FTP, HTTP, and Z39.50.</p>	25
4.	<p>Internet Communication: Internet as a Communication Tool, Facilities for Communication Internet Connectivity: Dial up, Leased, ISDN, Digital Subscriber Lines (DSL) Data Security: Concept, Need, Purpose Virus - Definition, Effect Security methods: Firewall, Anti-Virus Software SPAM Web 2.0, Lib 2.0 : Overview</p>	25

Teaching-Learning Methodology	Classroom Discussion; Practical Work in Computer Lab; Study Tour; Internship; Field Work at University Library (Bhaikaka Library)
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%





Course Outcomes: Having completed this course, the learner will be able to	
1.	Distinguish the concept of Database and Database Management Systems
2.	Demonstrate various types of metadata
3.	Elaborate various models of Data mining
4.	Explain the components, characteristics and architecture of data warehouse
5.	Carry out digitization process and illustrate various problems
6.	Explain the practical application of various input devices such as OCR and Scanners
7.	Explore various file formats and distinguish them based on characteristics
8.	Demonstrate various e-documents such as E-Book and E-Journals
9.	Extend basic concept of computer networks and use of Internet in libraries.
10.	Interpret the role of digital libraries and process of digitization.
11.	Classify communication tools and techniques.
12.	Comprehend the concept of ICT and its application in libraries.
13.	Develop a model to organise various documents of government published in vernacular language

Suggested References:	
Sr. No.	References
1.	Bandhyopadhyay, S (1994). <i>Information technology for growth and prosperity</i> . New Delhi: Tata McGraw-Hill.
2.	Basandra, S. K. (2002). <i>Computers today</i> . New Delhi: Galgotia.
3.	Bavakutty M., Yeeran M.C.K & Muhammed Salih I.K. (Ed.) (2002), <i>Library Co-operation in a Networked World</i> , New Delhi: Ess ESS Publication
4.	Bulow, A. E. (2011). <i>Preparing collection for digitization</i> . London: Facet





	Publication.
5.	Black, U. (1994). Emerging communication technologies. New Delhi: Prentice-Hall India.
6.	Bornman, H., & Von Solms, S. H. (1993). Hypermedia, multimedia and hypertext: definitions and overview. The Electronic Library, 11(4/5), 259-268
7.	Botto (Francis). Multimedia, Cd-Rom & Compact else: a guide for users and developers. New Delhi: Galgotia, 1993
8.	Burke, John J. (2009). Neal-Schuman Library technology vompanion. Third Edition. New York: Neal-Schuman Publishers
9.	Caro, Susanne (2016). Digitizing your collection: public library success stories. American Library Association (Accessible through Bhaikaka Library at SPU only)
10.	Date, C.J. (2000). An Introduction to Database Systems. 7th ed. Boston, MA, USA: Addison-Wesley Longman
11.	Dunham, M. (2006). Data mining introductory and advanced topics. New Delhi: New Age International Publication.
12.	Elmasri, Ramez and Navathe, Shamakant B. (2007). Fundamentals of Database Systems. 5th ed. Boston: Pearson/Addison Wesley
13.	Forouzan Behrouz A. and Fegan, Sophia Chung, (2008) Data Communications and Networking, New Delhi: Tata McGraw-Hil Publishing Company Limited.
14.	Hillman, D. I. (2009). Metadata practice. New Delhi: Ess Ess Publication.
15.	Jain, V.K., (2009) Information Technology: For Digital Library Management and Automation. New Delhi: Atlantic Publishers & Distributors
16.	Kumar, P.S.G. (2004), Information Technology: Applications, Delhi: B.R. Publishing.
17.	Leon, A. & Leon, M. (1999). Fundamentals of information technology (2nd ed.). New Delhi: Vikas Publishing
18.	Marshal, F. & Kulkarni, L.G. (2009). Computer networking and the internet. 5th ed. New Delhi: Pearson Education.
19.	Mishra, P. N. (2010). Database management systems and digital libraries. New Delhi: Alfa Publication.
20.	Prasanna, Kumar H.E., and Mudhol, Mahesh V. (2002), Multimedia: Its application





	in Library and Information Science, New Delhi: Ess Ess Publication
21.	Rahman, H. (2009). Data mining applications for empowering knowlege societies. Hershey: IGI Global.
22.	Satyanarayana, N.R. (2003), A Manual of Library Automation and Networking, Lucknow: New Royal Book Co.
23.	Silberschatz, A., Korth, H.F. and Sudarshan, S. 2006. Database System Concepts. 5th ed. Boston: McGraw-Hill International Higher Education.
24.	Singh, G. Digital libraries and digitization. New Delhi: Ess Ess Publication.
25.	Singh, Mahendra Pratap,(2004), Use of Information Technology in Library and Information Science, Delhi: Abhijeet Publications
26.	Sooryanarayana, P.S. and Mudhol Mahesh V., (2000), Communication Technology: Its Impact on Library and Information Sceience. New Delhi: Ess Ess Publications
27.	Tanenbaum, Andrew S., (2009), Computer Networks, New Delhi: Pearson Education
28.	Tripathi, Manish and Sharma B.K., (2011), Fundamentals of Information Communication Technology, Agra: Y.K. Publishers.
29.	Verma, K. (2007). Metadata and digtial library systems. New Delhi: Akanksha Publication House.
30.	Zeng, M. (2008). Metadata. London: Neal-Schyman Publication.
31.	Gravin, P. (Ed.) (2011). Government Information Management in the 21st Century: international perspectives. England: Ashgate Publishing Limited.
32.	मिश्रा, महेन्द्रकुमार, (2010) <i>कम्प्यूटर परिचय एवं सूचना प्रौद्योगिकी</i> , जयपुर: राज पब्लिशिंग हाउस.
33.	शर्मा, बी.के.और ठाकुर, यु.एम., (2008), <i>पुस्तकालय, सूचना विज्ञान एवं सूचना प्रौद्योगिकी: विवेचनात्मक अध्ययन</i> , आगरा: वाई.के. पब्लिशर्स.
34.	सिंह, आर.के., और सेंगर, सुनिता (2010), <i>आधुनिक पुस्तकालय नेटवर्क एवं सॉफ्टवेर अनुप्रयोग</i> , नई दिल्ली: युनिवर्सिटी पब्लिकेशन.
35.	सिंह, पंकज कुमार, (2011) <i>सूचना संचार प्रौद्योगिक एवं पुस्तकालय</i> , आगरा: वाई के. पब्लिसर्स.





36.	મકવાણા, જે. સી. (૨૦૧૯). <i>માહિતી સંચાર પ્રક્રિયા</i> . વલ્લભ વિદ્યાનગર: એ.એસ. એફ. કોમ્પ્યુટર્સ.
37.	ગજજર, પ્રિતેશ, <i>ઈન્ટરનેટ, અમદાવાદ: કમ્પ્યુટર વર્લ્ડ</i> .
38.	ચૌધરી, બિસ્વરૂપ રાય અને મિન્હાસ, દેવેન્દર સિંહ (૨૦૧૦) <i>ડાયનેમિક મેમરી કમ્પ્યુટર કોર્ષ</i> , ન્યુ દિલ્હી: ફ્યુઝન બુક્સ.
39.	પટેલ, સતીષ, (૨૦૧૫), <i>કમ્પ્યુટર નેટવર્ક, કુડાસણ, સતીષ પટેલ</i> .
40.	શુક્લ, સતીષ પ્રકાશ અને પાઠક, કલ્પેશ (૨૦૦૯), <i>કમ્પ્યુટર શિક્ષણ</i> , અમદાવાદ: વારિષેણ પ્રકાશન.

On-line resources to be used if available as reference material

On-line Resources

[BAOU Study Materials](https://baou.edu.in/syllabus-slm-e-books) (for Gujarati only) (<https://baou.edu.in/syllabus-slm-e-books>)

[Egyankosh of IGNOU](http://egyankosh.ac.in/) (<http://egyankosh.ac.in/>)

[EPGPathshala](http://epgp.inflibnet.ac.in/) (<http://epgp.inflibnet.ac.in/>)

[National Digital Library](https://ndl.iitkgp.ac.in/) (<https://ndl.iitkgp.ac.in/>)





(Master of Library and Information Science) (Library and Information Science)
(M.L.I.Sc.) (Library and Information Science) Semester II

Course Code	PA02ELIB52	Title of the Course	Information Technology – Practical
Total Credits of the Course	5	Hours per Week	5

Course Objectives:	<ol style="list-style-type: none">1. To explain basic concept of webpage creation.2. To give outline of various webpage packages, software and markup language coding.
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Course Content		
Unit	Description	Weightage* (%)
1.	Preparation of Websites	100

Teaching-Learning Methodology	Class Room Teaching; Practical Work through Computer Lab; Use of Resources through Central Library; PPT Presentation; Online Teaching; Through off campus Library Visit and Study Tour; Seminar & Presentation Mode
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Prepare webpage with the help of Dreamweaver and Microsoft FrontPage.
2.	Extend the broad concept about how to prepare webpage.





Suggested References:

Sr. No.	References
1	Ray, West (2001). Dreamweaver Ultradev 4: The Complete Reference (With Cd) New Delhi: McGraw-hill education (India) ltd.
2	Goodman, Amanda L. (n.d.). The Comparative Guide To Wordpress In Libraries: A LITA Guide. Chicago: American Library Association.

On-line resources to be used if available as reference material

On-line Resources

https://domains.google/intl/en_in/get-started/website-design/

<https://colorlib.com/wp/templates/>

<https://wordpress.com/free/>

