



MASTER OF LIBRARY AND INFORMATION SCIENCE (M.Lib.I.Sc.)

TANSCHÉ SYLLABUS FOR THE ACADEMIC YEAR 2023-24



**PG & RESEARCH DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE
BISHOP HEBER COLLEGE (AUTONOMOUS), TIRUCHIRAPPALLI-620017**

**PG & RESEARCH DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE
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| TANSCHER REGULATIONS ON LEARNING OUTCOMES-BASED CURRICULUM FRAMEWORK FOR POSTGRADUATE EDUCATION | |
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| Programme | M.Lib.I.Sc., |
| Programme Code | |
| Duration | PG - Two Years |
| Programme Outcomes (Pos) | <p>PO1: Problem Solving Skill Apply knowledge of Management theories and Human Resource practices to solve business problems through research in Global context.</p> <p>PO2: Decision Making Skill Foster analytical and critical thinking abilities for data-based decision-making.</p> <p>PO3: Ethical Value Ability to incorporate quality, ethical and legal value-based perspectives to all organizational activities.</p> <p>PO4: Communication Skill Ability to develop communication, managerial and interpersonal skills.</p> <p>PO5: Individual and Team Leadership Skill Capability to lead themselves and the team to achieve organizational goals.</p> <p>PO6: Employability Skill Inculcate contemporary business practices to enhance employability skills in the competitive environment.</p> <p>PO7: Entrepreneurial Skill Equip with skills and competencies to become an entrepreneur.</p> <p>PO8: Contribution to Society Succeed in career endeavors and contribute significantly to society.</p> <p>PO 9 Multicultural competence Possess knowledge of the values and beliefs of multiple cultures and a global perspective.</p> <p>PO 10: Moral and ethical awareness/reasoning Ability to embrace moral/ethical values in conducting one's life.</p> |

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| Programme Specific Outcomes (PSOs) | <p>PSO1 – Placement</p> <p>To prepare the students who will demonstrate respectful engagement with others’ ideas, behaviors, beliefs and apply diverse frames of reference to decisions and actions.</p> <p>PSO 2 - Entrepreneur</p> <p>To create effective entrepreneurs by enhancing their critical thinking, problem solving, decision making and leadership skill that will facilitate startups and high potential organizations.</p> <p>PSO3 – Research and Development</p> <p>Design and implement HR systems and practices grounded in research that comply with employment laws, leading the organization towards growth and development.</p> <p>PSO4 – Contribution to Business World</p> <p>To produce employable, ethical and innovative professionals to sustain in the dynamic business world.</p> <p>PSO 5 – Contribution to the Society</p> <p>To contribute to the development of the society by collaborating with stakeholders for mutual benefit.</p> |
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| Semester-I | Credit | Hours | Semester-II | Credit | Hours | Semester-III | Credit | Hours | Semester-IV | Credit | Hours |
|--|--------|-------|--|--------|-------|--|--------|-------|---|--------|-------|
| Core-I | 5 | 7 | Core-IV | 5 | 6 | Core-VII | 5 | 6 | Core-XI | 5 | 6 |
| Core-II | 5 | 7 | Core-V | 5 | 6 | Core-VIII | 5 | 6 | Core-XII | 5 | 6 |
| Core – III | 4 | 6 | Core – VI | 4 | 6 | Core – IX | 5 | 6 | Project with viva voce | 7 | 8 |
| Elective - I Discipline Centric | 3 | 5 | Elective – III Discipline Centric | 3 | 4 | Core – X | 4 | 6 | Elective - VI (Industry / Entrepreneurship) 20% Theory 80% Practical | 3 | 4 |
| Elective-II Generic: | 3 | 5 | Elective -IV Generic : | 3 | 4 | Elective - V Discipline Centric | 3 | 3 | Skill Enhancement course / Professional Competency Skill | 2 | 4 |
| | | | NME I | 2 | 4 | NME II | 2 | 3 | Extension Activity | 1 | |
| | | | | | | Internship/ Industri | 2 | - | Extra Credit | 2 | 2 |

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|--------------------------------|-----------|-----------|--|-----------|-----------|----------------|-----------|-----------|----------------|-----------|-----------|
| | | | | | | al Activity | | | Course: VLO | | |
| | 20 | 30 | | 22 | 30 | | 26 | 30 | | 23 | 30 |
| Total Credit Points -91 | | | | | | | | | | | |

Component wise Credit Distribution

| Credits | Sem I | Sem II | Sem III | Sem IV | Total |
|--|--------------|---------------|----------------|---------------|--------------|
| Part A | 18 | 18 | 18 | 18 | 72 |
| Part B | | | | | |
| (i)Discipline– Centric/Generic Skill | 2 | 2 | 2 | 2 | 8 |
| (ii)Soft Skill | 2 | 2 | 2 | 2 | 10 |
| (iii)Summer Internship/ Industrial Training | | | 2 | | |
| Part C | | | | 1 | 1 |
| Total | 22 | 22 | 24 | 23 | 91 |

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Choice Based Credit System (CBCS), Learning Outcomes Based Curriculum Framework (LOCF) Guideline
Based Credits and Hours Distribution System for all Post – Graduate Courses including Lab Hours

| Sem. | Part | Course | Course Title | Course Code | Hours / week | Credits | Marks | | |
|------|--------|-------------------|---|-------------|--------------|---------|-------|-----|-------|
| | | | | | | | CIA | ESE | Total |
| I | Part A | Core Paper I | Foundations of Library and Information Science | P23LS101 | 7 | 5 | 25 | 75 | 100 |
| | | Core Paper II | Information Sources | P23LS102 | 7 | 5 | 25 | 75 | 100 |
| | | Core Paper III | Knowledge Organisation Theory | P23LS103 | 6 | 4 | 25 | 75 | 100 |
| | | Elective I | Management of Library and Information Centres | P23LS1:A | 5 | 3 | 25 | 75 | 100 |
| | | Elective II | Information and Communication Technology | P23LS1:B | 5 | 3 | 25 | 75 | 100 |
| | | | | | 30 | 20 | | | |
| II | Part A | Core Paper IV | Information Systems and Services | P23LS204 | 6 | 5 | 25 | 75 | 100 |
| | | Core Practical I | Knowledge Organisation Practice I (Classification) | P23LS2P1 | 6 | 5 | 40 | 60 | 100 |
| | | Core Practical II | Knowledge Organisation Practice II (Cataloguing and Metadata) | P23LS2P2 | 6 | 4 | 40 | 60 | 100 |

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|-------------|--------|--------------------|---|--------------|-----------|----------|-----------|-----------|------------|
| | | Elective III | Library Automation and Digital Library (Theory) | P23LS2:A | 4 | 3 | 25 | 75 | 100 |
| | | Elective IV | Knowledge Management | P23LS2:B | 4 | 3 | 25 | 75 | 100 |
| | | NMEC I | Digital Information Resources | P23LS2E1 | 4 | 2 | 25 | 75 | 100 |
| | | | | | 30 | 22 | | | |
| III | Part A | Core Paper V | Information Retrieval System | P23LS305 | 6 | 5 | 25 | 75 | 100 |
| | | Core Paper VI | Research Methods | P23LS306 | 6 | 5 | 25 | 75 | 100 |
| | | Core Practical III | Library Automation Practice | P23LS3P3 | 6 | 5 | 40 | 60 | 100 |
| | | Core Practical IV | Digital Library Software Practice | P23LS3P4 | 6 | 4 | 40 | 60 | 100 |
| | | Elective V | Marketing of Information Products and Services | P23LS3:A | 3 | 3 | 25 | 75 | 100 |
| | | NMEC II | Technical Writing | P23LS3E2 | 3 | 2 | 25 | 75 | 100 |
| | | Internship | Internship / Industrial Activity | P23LS3I1 | -- | 2 | 100 | -- | 100 |
| | | | | | 30 | 26 | | | |
| IV | Part A | Core Paper VII | Informetrics | P23LS407 | 6 | 5 | 25 | 75 | 100 |
| | | Core Paper VIII | Corporate Library and Information System | P23LS408 | 6 | 5 | 40 | 60 | 100 |
| | | Core Project | Core Project with Viva Voce | P23LS4PJ | 8 | 7 | 40 | 60 | 100 |
| | | Elective VI | Web Technology | P23LS4:A | 4 | 3 | 25 | 75 | 100 |
| | | SEC | Soft Skills for Library Professionals | P23LS4S1 | 4 | 2 | 100 | -- | 100 |
| | | Extension Activity | Extension Activity | P23ETA4 1 | -- | 1 | -- | -- | -- |
| | Part B | VLO | The Big Picture | P23VLO4 1 | 2 | 2 | 100 | -- | 100 |
| Flying High | | | P23VLO4 2 | | | | | | |
| | | | | | 30 | 25 | | | |

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| | |
|------------------------|-------------|
| Total Credits : | 91+2 |
|------------------------|-------------|

Total 91 Credits for PG Courses

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| METHODS OF EVALUATION | | |
|------------------------------|--|------------------|
| Internal Evaluation | Continuous Internal Assessment Test | 25 Marks |
| | Assignments / Snap Test / Quiz | |
| | Seminars | |
| | Attendance and Class Participation | |
| External Evaluation | End Semester Examination | 75 Marks |
| Total | | 100 Marks |
| METHODS OF ASSESSMENT | | |
| Remembering (K1) | <ul style="list-style-type: none"> • The lowest level of questions require students to recall information from the course content • Knowledge questions usually require students to identify information in the textbook. | |
| Understanding (K2) | <ul style="list-style-type: none"> • Understanding of facts and ideas by comprehending, organizing, comparing, translating, interpolating and interpreting in their own words. • The questions go beyond simple recall and require students to combine data together | |
| Application (K3) | <ul style="list-style-type: none"> • Students have to solve problems by using / applying a concept learned in the classroom. • Students must use their knowledge to determine an exact response. | |
| Analyze (K4) | <ul style="list-style-type: none"> • Analyzing the question is one that asks the students to break down something into its component parts. • Analyzing requires students to identify reasons, causes or motives and reach conclusions or generalizations. | |
| Evaluate (K5) | <ul style="list-style-type: none"> • Evaluation requires an individual to make judgment on something. • Questions to be asked to judge the value of an idea, a character, a work of art, or a solution to a problem. • Students are engaged in decision-making and problem – solving. • Evaluation questions do not have single right answers. | |
| Create (K6) | <ul style="list-style-type: none"> • The questions of this category challenge students to get engaged in creative and original thinking. • Developing original ideas and problem solving skills | |

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SEMESTER - I

| | | | | | |
|--|--|-----------------|----------|----------|----------|
| Course code: P23LS101 | FOUNDATION OF LIBRARY AND INFORMATION SCIENCE | L | T | P | C |
| Core/Elective/Supportive | CORE I | - | - | - | 5 |
| Pre-requisite | Library Professionals may learn to Library and Information Science | | | | |
| Course Objectives: At the end of completing this course, students will have basic knowledge on library and information science. | | | | | |
| The main objectives of this course are to: | | | | | |
| <ol style="list-style-type: none"> 1. Know the nature of information and its characteristics 2. Understand communication concepts 3. Gain knowledge on types of library associations, legislation and promoters of service. | | | | | |
| Expected Course Outcomes: | | | | | |
| On the successful completion of the course, student will be able to: | | | | | |
| 1 | Remember the nature of information | | | | K1 |
| 2 | Understand the channels of communication | | | | K2 |
| 3 | apply the five laws of library science | | | | K3 |
| 4 | Analyze the library movements | | | | K4 |
| 5 | Evaluate the library schools | | | | K5 |
| K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create | | | | | |
| Unit:1 | Information: Nature, Property and Scope | 14 hours | | | |
| Notion and nature of Information: Definition: data, information, knowledge and wisdom characteristics of information; various patterns & models of information - Growth of information, information transfer cycle; Impact of socio-economic changes. | | | | | |
| Unit:2 | Concepts of Communication | 14 hours | | | |
| Concepts of Communication: Concept, definition, theories and models, channels of communication: Barriers of communication. | | | | | |
| Unit:3 | Types of Library and Library Associations | 14 hours | | | |

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| Library: Types, Five Laws of Library Science and their implications; librarianship; Role of Professional Associations: National and International – ILA, IASLIC, IATLIS, IFLA, ALA, and FID. Professional ethics of Library | | |
| Unit:4 | Library Legislation | 14 hours |
| Library movement & legislation in India- Model Library Bill, Delivery of Books and Newspaper Act – Intellectual Property Rights – Information Policy, Right to Information. | | |
| Unit:5 | Promoters of Library Services | 14 hours |
| Promoters of Library and Information Services – UNESCO, RRRLF, Library Networking and Consortia, Information Science as discipline – Evolution, growth and development of LIS Schools in India – Current Trends. | | |
| Unit:6 | Contemporary Issues | 2 hours |
| Expert Lectures, Online Seminars - Webinars | | |
| | Total Lecture hours | 72 hours |
| Text Book(s) | | |
| 1 | Khanna, J.K. Library and Society. Kurushektra: Research Publication, 1987. | |
| 2 | Ranganathan, S.R. Five Laws of library science. Vikas, New Delhi, 1957. | |
| Reference Books | | |
| 1 | Atherton, .Pauline. Handbook of Information, system and services. Paris: UNESCO, 1977. | |
| 2 | Benge, R.C. Libraries and cultural change. London: Clive Bingley, 1983. | |
| 3 | Gravey, William. D. Communication: Essence of Science facilitating information exchange among libraries, Scientists, Engineers and students. Oxford: Perganton Press, 1979. | |
| Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.] | | |
| 1 | https://www.mooc-list.com/instructor/helen-tibbo | |
| 2 | https://www.mooc-list.com/certificate/yes-verified-certificate-paid?page... | |
| 3 | https://www.mooc-list.com/tags/logic | |
| 4 | https://www.youtube.com/watch?v=iOI4Q-TbhA4 | |

| Mapping with Programme Outcomes | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| CO1 | S | S | M | S | S | M | S | M | M | S |
| CO2 | M | S | S | L | M | S | M | M | S | M |
| CO3 | S | M | M | S | S | M | L | M | M | S |
| CO4 | M | S | S | M | M | S | M | L | S | M |
| CO5 | L | M | M | S | M | M | S | L | M | S |

*S-Strong; M-Medium; L-Low

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|--|---|----------------------------|----------|----------|----------|-----------------|
| Course code | P23LS102 | INFORMATION SOURCES | L | T | P | C |
| Core/Elective/Supportive | CORE II | | - | - | - | 5 |
| Pre-requisite | Students should know the basic knowledge of information sources and services | | | | | |
| Course Objectives: | | | | | | |
| <ol style="list-style-type: none"> 1. Learn about the information sources and services, different types of resources and different types of services which are included in the field of library and information science in detail 2. Develop evaluative skills for selecting both in print and electronic information sources; 3. Train the students to use the major information sources to answer day-to-day user enquiries | | | | | | |
| Expected Course Outcomes: | | | | | | |
| On the successful completion of the course, student will be able to: | | | | | | |
| 1. | Known different types of documentary & non-documentary sources | | | | | K1 |
| 2. | Understand, identify and explore the different types of information sources | | | | | K2 |
| 3. | Provide library services using sources such as blogs, portals, wikies, subject gateways, digital libraries | | | | | K3 |
| 4. | Explore, collate and facilitate access to the electronic resources, such as e-journals, e-books, databases and institutional repositories | | | | | K4 |
| 5. | Identify different types of users and their needs. | | | | | K5 |
| K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create | | | | | | |
| Unit:1 | Basics of Information Sources | | | | | 14 hours |
| Sources of information and their characteristics Documentary and Non-documentary sources and types – print, non-print and electronic sources; categories of information sources. Evaluation criteria for information sources. | | | | | | |
| Unit:2 | Types of Documentary , Non-Documentary Sources | | | | | 14 hours |
| Documentary Primary Secondary Sources – Tertiary Sources – Non-Documentary Sources: Human and institutional sources of information, government ministries and departments, R&D organizations, learned societies, publishing houses, archives, data banks, information analysis centers, referral centers, and institutional websites. | | | | | | |

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| Unit:3 | Electronic Resources Overview | 14 hours |
| Electronic Resources: Overview, concept, definition, evolution, need, characteristics, benefits and drawbacks – E-Resource life cycle. | | |
| Unit:4 | Electronic Resource Management Systems (ERMS) | 14 hours |
| Electronic Resource Management Systems (ERMS): Selecting, acquiring/ subscription/ purchasing, implementation, evaluation and renewing electronic resources/ cancellation. Techniques for Electronic Resource Management (TERMS), Strategic planning for ERM – Media and Format Migration | | |
| Unit:5 | Electronic Information Sources and Databases | 14 hours |
| Internet Information Resources – PLOS, DOAJ, E- Books, Open Access Resources, Open Educational Resources. Listserve, Subject Gateways.. Databases (Full text, Citation and Bibliographic): ACM Digital Library, IEEE/IEE Electronic Library Online (IEL), Emerald, EBSCO, PsycINFO, Elsevier Science, PubMed Central, J-Gate, JSTOR, Web of Science, Scopus, SciFinder Scholar, , and RePEc. Criteria for the evaluation of information sources – print and electronic | | |
| Unit:6 | Contemporary Issues | 2 hours |
| Expert Lectures, Online Seminars - Webinars | | |
| | Total Lecture hours | 72 hours |
| Text Book(s) | | |
| 1. | Bopp, Richard E. (2011). Reference and Information Services: an Introduction. 4th ed. Santa Calif.: Libraries Unlimited, | |
| 2. | Sewasingh: Hand book of International Sources on Reference and Information New Delhi: Crest Publication,2001 | |
| 3. | Sharma,J.S & Grover, D.R : Reference Service and Sources of Information, New Delhi: EssEss, 1998. | |
| 4. | Singh, Gurudev. (2013). Information sources, services, and systems. New Delhi: PHI Learning Pvt. Ltd. ISBN – 9788120346390 | |
| 5. | Subramanayam, K : Scientific and Technical Information Resources, New Delhi: | |
| Reference Books | | |
| 1. | Choudhury, G. G. (2001). <i>Information Sources and Searching on the World Wide Web</i> . London: Facet Publishing. | |
| 2. | G. G. Chowdhry and Sudatta Chowdhury: Searching CD-ROM and Online Information Sources. London : Facet Publishing, 2001. | |
| 3. | G.G. Chowdhury and Sudatta Chowdhury. Information Sources and Searching on the World Wide Web. London : Facet Publishing, 2001. | |

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|---|---|
| 4. | Guha, B. (1999). <i>Documentation and Information Services</i> (2nd ed.). Calcutta: World Press. Ikoja-Odongo, Robert, and Janneke Mostert. (2006) "Information seeking behaviour: |
| 5. | Kumar (P.S.G).Ed. Indian Encyclopedia of Library & Information Science. New Delhi: S. Chand & Co., 2001. |
| 6. | Smith, L. C., & Wong, M. A. (Eds.). (2016). <i>Reference and Information Services: An Introduction: An Introduction</i> . ABC-CLIO. |
| Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.] | |
| 1. | eprints.rclis.org/19405/1/ALIS%2059(4)%20247-279%20(1).pdf |
| 2. | www.inflibnet.ac.in Epg pathsala |
| 3. | http://www.expertsmind.com/questions/qualities-of-indexing-and-abstractingperiodicals-30121941.aspx |
| 4. | www.ejil.org/about/services.php? |

| Mapping with Programme Outcomes | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| CO1 | S | S | M | M | M | M | M | M | L | L |
| CO2 | S | S | S | S | S | S | S | S | M | M |
| CO3 | S | S | S | S | S | S | M | M | M | S |
| CO4 | S | S | S | S | M | M | S | S | S | S |
| CO5 | S | S | S | S | S | S | S | S | S | S |

*S-Strong; M-Medium; L-Low

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|---|---|--------------------------------------|----------|----------|-----------------|----------|
| Course code | P23LS103 | KNOWLEDGE ORGANIZATION THEORY | L | T | P | C |
| Core/Elective/Supportive | Core III | | - | - | - | 4 |
| Pre-requisite | Understanding of the basics of grouping Purpose of libraries | | | | | |
| Course Objectives: At the end of completing this course, students will have basic knowledge on theory and practice of classification. | | | | | | |
| The main objectives of this course are to: | | | | | | |
| 1. Discuss the principles and philosophy of library classification and cataloguing theory To explain the need for technical processing of library materials. | | | | | | |
| 2. Explain the steps in technical processing. | | | | | | |
| 4. Describe the need for notation in library classification and cataloguing | | | | | | |
| 5. Propose library classification and cataloguing as foundation study of librarianship; to expose some limitations and problems of library classification. | | | | | | |
| Expected Course Outcomes: | | | | | | |
| On the successful completion of the course, student will be able to: | | | | | | |
| 1. | The learners will gain knowledge about the categorization of the universe of knowledge | | | | | K1 |
| 2. | The students understand about the arrangement of materials in such a way that subject specialization is maintained. | | | | | K2 |
| 3. | The students will be able to carry out arrangement of documents to facilitate easy storage and retrievals and attain satisfaction of user needs | | | | | K3 |
| 4. | Analyze and compare of various methods of Classification | | | | | K4 |
| 5. | Evaluate the proper usage of Classification in various libraries | | | | | K5 |
| K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create | | | | | | |
| Unit:1 | Library Classification | | | | 14 hours | |
| Concept, Purpose, Functions - Canons and Postulates - Knowledge Classification and Book Classification - Notation: Meaning, Need, Functions, Types, Qualities, Call number Universe of Knowledge: Nature, Attributes - Subject: Meaning, Types (Basic, Compound, Complex)- | | | | | | |
| Unit:2 | Subject Formation and Laws of Classification | | | | 14 hours | |
| Modes of Subject Formation - Universe of Knowledge as Mapped in Different Classification Schemes (DDC and CC,), Normative Principles of Classification - Canons, Laws, Principles and their implications. Fundamental categories - Facet Sequences: Phase - Facet analysis - | | | | | | |
| Unit:3 | Catalogue and Law of Catalogue | | | | 14 hours | |

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| Meaning, Purpose, Structure, types and Functions, Normative Principles of Cataloging -Canons Laws Principles and their Implications. | | |
| Unit:4 | Types and Standard of Catalogue | 14 hours |
| Types of Catalogues -Physical Forms- Inner Forms- Subject Catalogues, Sear's List Chain Indexing. subject heading lists; thesauri and vocabulary control, Formats and Standards – ISBDs; MARC 21, Dublin Core, ISO 2709, UNIMARC, CCF and National formats. | | |
| Unit:5 | Catalogue Arrangement | 14 hours |
| Centralized and Co-operative Cataloguing - Union Catalogue- Arrangement and Filing of Entries. Organization of digital resources Metadata standards Dublin core, Mark up languages; DOI (Digital Object identifier) | | |
| Unit-6 | Contemporary Issues | 2hours |
| Expert Lectures, Online Seminars – Webinars. | | |
| | Total Lecture hours | 72 hours |
| Text Book(s) | | |
| 1 | Krishan Kumar (1980). Theory of library classification ERd.2,New Delhi Vikas. | |
| 2 | Kumar :PSG.(2003). Knowledge organization Information Processing and Retrieval theory Delhi:BR | |
| 3 | Ramalingam,MS. (2000) Library Cataloguing and classification system Delhi Kalpaz. | |
| 4 | Ramalingam,SR(1957 &1965) Prolegomena to library classification Ed2, London LA | |
| 5 | Srivastav. A.P.(1993) Theory of Knowledge Classification in Librarires New Delhi sage | |
| Reference Books | | |
| 1 | Krishna Kumar , Theory of Classification 4 th Rev.Ed, Delhi, Vikas Publishing House 1988. | |
| 2 | Kumar .PSG Knowledge organization Information Processing and Retrieval theory Delhi:BR 2003 | |
| 3 | Ranganathan.S.R. Prolegomena to Libray classification Ed3.Bangalore SRELS,2006 | |
| 4 | Sinha Suresh C and Dhiman Anil K. Prolegomena to Universe of Knowledge New Delhi EssEss, 2002 | |
| 5 | Srivastav, A. P Theory of knowledge classification in Libraries New Delhi sage 1933. | |
| Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.] | | |
| 1 | http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=21 | |
| 2 | https://www.tutorialspoint.com/public_library_management/public_library_management_knowledge_organization.htm | |

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| 3 | https://www.youtube.com/watch?v=ttFJZgNdryQ |
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| Mapping with Programme Outcomes | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| CO1 | S | S | M | S | S | M | S | S | M | S |
| CO2 | S | S | L | S | S | S | S | M | L | S |
| CO3 | S | M | M | S | S | L | S | S | S | S |
| CO4 | S | S | S | M | S | M | M | S | S | S |
| CO5 | S | S | M | M | M | S | S | S | S | S |

***S-Strong**; M-Medium; L-Low

**PG & RESEARCH DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE
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| | | | | | | |
|---|---|--|----------|----------|----------|-----------------|
| Course code | P23LS1:A | MANAGEMENT OF LIBRARY AND INFORMATION CENTRE | L | T | P | C |
| Core/Elective/Supportive | | Core | - | - | - | |
| Pre-requisite | | Management knowledge may learn to Library and Information Center | | | | |
| Course Objectives: At the end of completing this course, students will have knowledge on Management of Libraries and Information Centers. | | | | | | |
| The main objectives of this course are to: | | | | | | |
| <ol style="list-style-type: none"> 1. To provide knowledge on library management 2. To enable students to understand the various sections and their routine 3. To facilitate students to plan libraries and to understand library governance | | | | | | |
| Expected Course Outcomes: | | | | | | |
| On the successful completion of the course, student will be able to: | | | | | | |
| 1 | Student can remember the management concepts | | | | | K1 |
| 2 | Students can understand the various sections in library | | | | | K2 |
| 3 | Students can apply the methods of subscription | | | | | K3 |
| 4 | Students can analyze the library staff formula | | | | | K4 |
| 5 | Students can create and evaluate the library building | | | | | K5 |
| K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create | | | | | | |
| | | | | | | |
| Unit:1 | Introduction to Management | | | | | 14 hours |
| Management: Definition, Concept, Schools of Management Thought, Functions of Management | | | | | | |
| | | | | | | |
| Unit:2 | Various Sections in Library | | | | | 14 hours |
| Various sections in a Library- Routine work Acquisition, Evidence and Pattern based Acquisition, Technical, Circulation, Maintenance, Reference and Binding Sections- Books selection: Need and purpose, Principles and theories, Book selection tools, Weeding out. | | | | | | |
| | | | | | | |
| Unit:3 | Routine of the Periodical and Circulation Sections | | | | | 14 hours |
| Periodical Selection, methods of subscription, recording methods and problems in periodical procurement- Charging and discharging methods- Maintenance: Shelving methods, shelf rectification, stock verification- Binding and preservation. | | | | | | |
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| Unit:4 | Library Governance | 14 hours |
| Library Governance- Library authority and Library committee, need and functions-. Library Finance: Sources of finance; Budgeting techniques, cost benefit analysis. Human resources management. | | |
| Unit:5 | Planning of Library | 14 hours |
| Planning- Library Building, Furniture and equipment, - Library rules and regulations, Annual report - Library statistic Green Library Technology Building. | | |
| Unit:6 | Contemporary Issues | 2 hours |
| Expert Lectures, Online Seminars - Webinars | | |
| | Total Lecture hours | 72 hours |
| Text Book(s) | | |
| 1 | Mittal, RL Library Administration : Theory and Practice . 5 th ed. Delhi . Metropolitan ,1984. | |
| 2 | Narayana , G.J. Library and Information Management , New Delhi PHI 1991. | |
| 3 | Ranganathan , S.R. : Library administration . 2 nd ed. Bombay : Asia | |
| 4 | Sharma , J.S. Library Organization . New Delhi : Vikas, 1978. | |
| Reference Books | | |
| 1 | Katz, W.A. Collection development , the selection of materials for libraries . New York . Holt, Rinohart and Winston, 1980. | |
| 2 | Krishan Kumar : Library Administration and Management. New Delhi: Vikas, 1987. | |
| Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.] | | |
| 1 | https://www.mooc-list.com/length/3-weeks?page=23 | |
| 2 | https://www.mooc-list.com/?page=1%20 | |
| 3 | https://www.mooc-list.com/.../business-technology-management- specialization | |

| Mapping with Programme Outcomes | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| CO1 | S | S | M | S | S | M | S | M | M | S |
| CO2 | M | S | S | M | L | S | M | M | S | M |
| CO3 | S | M | M | S | S | M | S | L | M | S |
| CO4 | M | S | S | M | M | S | M | M | S | L |
| CO5 | L | M | M | S | M | M | S | M | M | S |

*S-Strong; M-Medium; L-Low

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|---|---|---|----------|----------|----------|-----------------|
| Course code | P23LS1:B | INFORMATION AND COMMUNICATION TECHNOLOGY | L | T | P | C |
| Core/Elective/Supportive | Elective II | | - | - | - | 3 |
| Pre-requisite | Students should know the basic knowledge of communication technology | | | | | |
| Course Objectives: | | | | | | |
| <ol style="list-style-type: none"> 1. Train the students in applying Information and Communication Technology in Libraries and Information Centres. 2. Acquire skills required for handling different operating systems and use application software for office management. 3. Understand the concepts of communication and networking technologies. | | | | | | |
| Expected Course Outcomes: | | | | | | |
| On the successful completion of the course, student will be able to: | | | | | | |
| 1. | Remember the concept of information communication technology. | | | | | K1 |
| 2. | Understand the computer software's. | | | | | K2 |
| 3. | Identify the communication tools and techniques. | | | | | K3 |
| 4. | Design library networks: Internal and external networks; network functions. | | | | | K4 |
| 5. | Evaluate internet protocols, standard and security. | | | | | K5 |
| K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create | | | | | | |
| Unit:1 | Components of ICT | | | | | 14 hours |
| Information and Communication Technology: Need and Purpose-Components - Application ICT in Libraries and Information Centres - Computer Hardware, Storage Devices; Input and Output Devices. | | | | | | |
| Unit:2 | Computer Software | | | | | 14 hours |
| System Software and Application Software; Programming Concepts, Operating Systems: Windows & LINUX / UNIX. Working with Windows. | | | | | | |
| Unit:3 | Telecommunication Technology | | | | | 14 hours |
| Communication Technology: Telecommunication - Transmission media: Switching, Band with, Multiplexing, Modulation Protocols - Wireless Communication tools and techniques: Fax, Tele Conferencing, Video Conferencing, Teletext, Video Text and Bulletin Board Services. | | | | | | |
| Unit:4 | Networking Technology | | | | | 14 hours |
| Networking Technology: Concept, Topologies - Types: LAN, WAN and MAN, Internet-Intranet, Integrated service digital network (ISDN) – Open system inter connection (OSI). | | | | | | |

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| Unit:5 | Internet Protocols, Standards and Security | 14 hours |
| Internet protocols and standards – HTTP, SHTTP, FTP, SMTP, TCP/IP, URI, URL. Data security, Networking security, Firewalls, Cryptographic techniques, Anti-virus software, Anti-spyware, Intrusion detection system. | | |
| Unit:6 | Contemporary Issues | 2 hours |
| Expert Lectures, Online Seminars - Webinars | | |
| | Total Lecture hours | 72 hours |
| Text Book(s) | | |
| 1. | Bansal, S.K. (2005). <i>Information Technology and Globalisation</i> , New Delhi: A.P.H. Pub corporation. | |
| 2. | Basandra, S.K. (2002). <i>Computers Today and Globalisation</i> , New Delhi:Golgotia. | |
| 3. | Poliwali, R.S, (2002) <i>Information Resources for library and information technology</i> Navyug Books International. | |
| 4. | Anil Dhiman, K & Yashodarani, (2014) <i>Learn information and reference source and services</i> , ESS ESS Publications. | |
| 5. | Chakravarthi RC, <i>Information technology and library science</i> , Pacific, New Delhi, 2011. | |
| 6. | Cheran Srivasta, <i>Fundamentals of information technology</i> , Kalyani, New Delhi, 2000. | |
| 7. | Jain, VK <i>Information technology for digital library management</i> , Atlantic, New Delhi, 2008. | |
| 8. | Jesiwol, S <i>Information technology today</i> , Golgotia, New Delhi, 2004. 5. Kumar PSG. <i>Information technology basis</i> , B.R., New Delhi, 2000. | |
| 9. | Leon, Alexis <i>Fundamentals of information technology</i> , Vikas, New Delhi, 1999. 7. | |
| 10. | Manak. Sunders, R. (2000). <i>Computers Today</i> . (Edition 2), John Wiley. | |
| 11. | Satyanarayana, R. (2005). <i>Information Technology and its facets</i> . Delhi | |
| Reference Books | | |
| 1. | Sathaiah,B, (1999) <i>Information technology in university libraries</i> , Commonwealth Publishers Pvt. Ltd | |
| 2. | Theresabala,T, Ratnakumari,C & Rani,B.A, (2001) <i>Information technology and library automation</i> , Commonwealth Publishers pvt. Ltd | |
| 3. | Nadhoni Ashok, K, <i>Information technology</i> , BPB New Delhi, 2008. 8. Satya Narayana. | |
| 4. | Information Technology, Cosmo, New Delhi, 1998. 9. Utpal K Banarjee <i>Information technology for common Man</i> , D von Nostrond, New York, 1992. | |
| 5. | Deeson, Eric (2000). <i>Managing with information technology</i> , Great Britan: Kogan page Ltd. | |
| 6. | Forrester W.H. (2002) & Rowlands, J.L. <i>The online searcher's compansion</i> . London: LA. | |
| Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.] | | |
| 1. | www.inflibnet.ac.in Epg pathshala | |

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| Mapping with Programme Outcomes | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| CO1 | S | S | M | M | M | M | M | M | L | L |
| CO2 | S | S | S | S | S | S | S | S | M | M |
| CO3 | S | S | S | S | S | S | M | M | M | S |
| CO4 | S | S | S | S | M | M | S | S | S | S |
| CO5 | S | S | S | S | S | S | S | S | S | S |

***S-Strong**; M-Medium; L-Low

**PG & RESEARCH DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE
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SEMESTER – II

| Course code | P23LS204 | INFORMATION SYSTEMS AND SERVICES | L | T | P | C |
|---|---|-------------------------------------|---|---|---|-----------------|
| Core/Elective/Supportive | Core IV | | - | - | - | 5 |
| Pre-requisite | Must have basic knowledge on various subjects/sub class of the given subject | | | | | |
| Course Objectives: At the end of completing this course, students will have basic knowledge on Information Systems and Services | | | | | | |
| The main objectives of this course are to: | | | | | | |
| <ol style="list-style-type: none"> 1. To learn about the information systems and different types of information services 2. To evaluative both National and International information centres 3. To train the students to use the major networks and contemporary library services | | | | | | |
| Expected Course Outcomes: | | | | | | |
| On the successful completion of the course, student will be able to: | | | | | | |
| 1 | Understand the concept and types of information systems. | | | | | K2 |
| 2 | Apply the different types of information services in libraries. | | | | | K3 |
| 3 | Analyse the National and International Information Centres. | | | | | K4 |
| 4 | Evaluate the National and International Information Networks. | | | | | K4 |
| 5 | Analyse the mobile based information services in library and information centers. | | | | | K5 |
| K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create | | | | | | |
| Unit:1 | Information Systems | | | | | 14 hours |
| Information System: Concepts, Characteristics, Types and Functions; National Knowledge Commission (NKC), National Mission on Libraries (NML). | | | | | | |
| Unit:2 | Information Services | | | | | 14 hours |
| Information Services & Reference Service: Definition, Need and Types; CAS, SDI, Indexing, Abstracting, Bibliography, Translation and Referral Services; Information Products: Preparation and Compilation | | | | | | |
| Unit:3 | Information Centres | | | | | 14hours |
| National Information Centres- NIScPR, NASSDOC, SENDOC, and DESIDOC. International Information Centres - INIS, AGRIS, MEDLARS, BIOSIS and ENVIS. | | | | | | |
| Unit:4 | Information Networks | | | | | 14 hours |
| National Information Systems and Networks- INFLIBNET, DELNET, JANET, ERNET, MANLIBNET, and National Knowledge Network (NKN). | | | | | | |

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|---|---|-----------------|
| Unit:5 | Contemporary Library Services | 14 hours |
| Mobile based library services, Virtual Reality, Augmented Reality, Web based services, Alert Services and market space. | | |
| Unit-6 | Contemporary Issues | 2hours |
| Expert Lectures, Online Seminars - Webinars | | |
| | Total Lecture hours | 72 hours |
| Text Book(s) | | |
| 1. | Singh, G. (2013). <i>Information Sources, Services and Systems</i> . PHI Learning Pvt. Ltd | |
| 2. | Sharma, J.S & Grover, D.R : Reference Service and Sources of Information, New Delhi: EssEss, 1998. | |
| 3. | Singh, Gurudev. (2013). Information sources, services, and systems. New Delhi: PHI Learning Pvt. Ltd. ISBN – 9788120346390 | |
| Reference Books | | |
| 1. | Devarajan, G., & Pulikuthel, J. K. (2011). <i>Information Access, Tools, Services and Systems</i> . Ess Ess Publications | |
| 2. | Kumar, P. S. G. (2004). Library and Users: Theory & Practice: (Papers VIII of UGC Model Curriculum). BR Publishing Corporation. | |
| 3. | Kumar, P.S.G. (2004). Information Analysis, Repacking, Consolidation and Information Retrieval: (papers X & XI of UGC Model Curriculum). BR Publishing Corporation. Kumar, P.S.G. (2004) Information Sources and Services: Theory & Practice: (papers VI & VII of UGC Model Curriculum). BR Publishing Corporation. | |
| 4. | Kumar, P. S. G. (2004). Information Technology: Applications: (papers XIII& XIV of UGC Model Curriculum). BR Publishing Corporation. | |
| Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.] | | |
| 1. | http://www.nmlindia.nic.in (accessed 25 July 2020) | |
| 2. | https://epgp.inflibnet.ac.in | |
| 3. | https://whc.unesco.org (accessed 25 July 2020) | |
| 4. | https://www.nic.in/services/cloud/nic-net-2 (accessed 25 July 2020) | |

| Mapping with Programme Outcomes | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| CO1 | S | S | M | M | M | M | M | M | L | L |
| CO2 | S | S | S | S | S | S | S | S | M | M |
| CO3 | S | S | S | S | S | S | M | M | M | S |
| CO4 | S | S | S | S | M | M | S | S | S | S |

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|-----|---|---|---|---|---|---|---|---|---|---|
| CO5 | S | S | S | S | S | S | S | S | S | S |
|-----|---|---|---|---|---|---|---|---|---|---|

*S-Strong; M-Medium; L-Low

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|--|--|---|----------|----------|----------|-----------------|
| Course code | P23LS2P1 | KNOWLEDGE ORGANIZATION Practice – I (Classification) | L | T | P | C |
| Core/Elective/Supportive | Core Practical I | | - | - | - | 5 |
| Pre-requisite | The ability to know the various terms used in any given subject and bibliographical terms | | | | | |
| Course Objectives: At the end of completing this course, students will have basic knowledge on library classification practice. | | | | | | |
| The main objectives of this course are to: | | | | | | |
| 1. Classification, list out and describe according to a consistent plan , the Print resources available in the library. | | | | | | |
| 2. Direct the users to similar materials | | | | | | |
| 3. Record the collection of the library | | | | | | |
| 4. Indicate the location of the resources | | | | | | |
| Expected Course Outcomes: | | | | | | |
| On the successful completion of the course, student will be able to: | | | | | | |
| 1 | Know which information from a bibliographic data is to be included in the entry | | | | | K1 |
| 2 | Understand how the information is presented on a classifying entry or in a how the entries should be sorted in the classification. | | | | | K2 |
| 3 | Classify the class and book entries of library Classification | | | | | K3 |
| 4 | Understand the various methods of Classification the reading in any library | | | | | K4 |
| 5 | Evaluate the Classification procedure in any library | | | | | K5 |
| K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6– Create | | | | | | |
| Unit 1 | Colon Classification | | | | | 24 hours |
| 6 th Edition | | | | | | |
| Unit 2 | Dewey Decimal Classification | | | | | 24 hours |
| 23 rd Edition | | | | | | |
| Unit 3 | Universal Decimal Classification | | | | | 24 hours |
| 3 th Edition | | | | | | |
| Unit 4 | Contemporary Issues | | | | | 2hours |
| Expert Lectures, Online Seminars – Webinars. | | | | | | |
| | Total Lecture hours | | | | | 72 hours |
| Text Book(s) | | | | | | |
| 1 | Kumar, P S G (2003).Knowledge Organization: Information Processing and Retrieval Practice. New Delhi: B.R Publishing | | | | | |

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| | |
|---|--|
| 2 | Ranganathan, S. R (1963). Colon Classification. 6 th ed. Bangalore: Sarada Ranganathan Endowment for Library Science. |
| 3 | Khanna, J K (1982). Colon Classification; Theory and Practice. New Delhi: EssEss |
| 4 | Chan, Lois Mai [et al.] (1996). Dewey decimal classification: A Practical Guide. 2nd ed. revision for DDC-21. Albany, New York: Forest Press |
| 5 | Sachdev, Mohan Singh (1983). Colon Classification; Theory and Practice. New Delhi: Sterling |
| 6 | British Standard Institution (2000). Universal Decimal Classification London: British Association of Social Workers |

Reference Books

| | |
|---|--|
| 1 | Mitchell, Joan S (2003). Dewey decimal classification and Relative Index. 22 nd ed. 4 Vol. New York: Forest Press |
| 2 | Comaromi, John P (1989). Dewey decimal classification and Relative Index. 20 th ed. 4 Vol. New York: Forest Press |
| 3 | Custer, Benjamin A. (1979). Dewey decimal classification and Relative Index. 19 th ed. 3 Vol. New York: Forest Press. |
| 4 | Comaromi, John P. and Satija, M.P. (1990). Exercises in the 20th Edition of the Dewey decimal classification. New Delhi: Sterling. |
| 5 | British Standard Institution (2000). Universal Decimal Classification London: British Association of Social Workers |

Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]

| | |
|---|---|
| 1 | http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=21 |
| 2 | https://www.tutorialspoint.com/public_library_management/public_library_management_knowledge_organization.htm |
| 3 | https://www.youtube.com/watch?v=ttFJZgNdryQ |
| 4 | http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=21 |
| 5 | https://www.tutorialspoint.com/public_library_management/public_library_management_knowledge_organization.htm |
| 6 | https://www.youtube.com/watch?v=ttFJZgNdryQ |

Mapping with Programme Outcomes

| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| CO1 | S | S | S | S | S | S | S | S | S | S |
| CO2 | S | S | M | S | S | S | S | S | S | S |
| CO3 | S | S | S | S | M | S | M | S | S | M |
| CO4 | S | S | S | S | S | S | S | S | S | S |
| CO5 | S | S | S | S | S | M | S | S | S | S |

*S-Strong; M-Medium; L-Low

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| Course code | P23LS2P2 | KNOWLEDGE ORGANIZATION Practice –II (Cataloguing and Metadata) | L | T | P | C |
|---|---|--|---|---|-----------------|----------|
| Core/Elective/Supportive | Core Practical II | | - | - | - | 4 |
| Pre-requisite | The ability to know the various terms used in any given subject and bibliographical terms | | | | | |
| Course Objectives: At the end of completing this course, students will have basic knowledge on library cataloguing practice. | | | | | | |
| The main objectives of this course are to: | | | | | | |
| <ol style="list-style-type: none"> 1. List out and describe forms of catalogue to the print and non-book materials 2. Direct the users to similar materials 3. Record the collection of the library 4. Indicate the location of the resources | | | | | | |
| Expected Course Outcomes: | | | | | | |
| On the successful completion of the course, student will be able to: | | | | | | |
| 1 | Understand how the information is presented on a catalogue entry or in a cataloguing record and how the entries should be sorted in the catalogue | | | | | K2 |
| 2 | Classify the main and added entries of library catalogue | | | | | K2 |
| 3 | Understand the various methods of cataloguing the reading /Audio visual material in the library | | | | | K3 |
| 4 | Analyse and differentiate the manual and MARC cataloguing | | | | | K4 |
| 5 | Create a catalogue entry using various tags | | | | | K6 |
| K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6– Create | | | | | | |
| | Anglo American Catalogue Rules - II | | | | 35 hours | |
| Cataloguing of Books, Non-Book Materials and Periodicals according to Anglo American Catalogue Rules - II (AACR-II). | | | | | | |
| | MARC 21 | | | | 35 hours | |
| Cataloguing of Books, Non-Book Materials and Periodicals according to MARC 21 (Metadata) | | | | | | |
| Unit-6 | Contemporary Issues | | | | 2hours | |
| Expert Lectures, Online Seminars – Webinars. | | | | | | |
| | Total Lecture hours | | | | 72 hours | |
| Text Book(s) | | | | | | |
| 1 | Krishna Kumar (1980). Theory of library classification ERd.2,New Delhi Vikas. | | | | | |
| 2 | Kumar PSG. (2003). Knowledge organization Information Processing and Retrieval theory Delhi: BR | | | | | |

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|---|---|
| 3 | Ramalingam,MS. (2000) Library Cataloguing and classification system Delhi Kalpaz. |
| 4 | Srivastava. A.P.(1993) Theory of Knowledge Classification in Libraries New Delhi sage |
| Reference Books | |
| 1 | Krishna Kumar (1980). Theory of library classification ERd.2, New Delhi Vikas. |
| 2 | Kumar PSG. (2003). Knowledge organization Information Processing and Retrieval theory Delhi: BR |
| 3 | Ramalingam,MS. (2000) Library Cataloguing and classification system Delhi Kalpaz. |
| 4 | Srivastava. A.P.(1993) Theory of Knowledge Classification in Libraries New Delhi sage |
| Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.] | |
| 1 | http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=21 |
| 2 | https://www.tutorialspoint.com/public_library_management/public_library_management_knowledge_organization.htm |
| 3 | https://www.youtube.com/watch?v=ttFJZgNdryQ |
| 4 | http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=21 |
| 5 | https://www.tutorialspoint.com/public_library_management/public_library_management_knowledge_organization.htm |
| 6 | https://www.youtube.com/watch?v=ttFJZgNdryQ |

| Mapping with Programme Outcomes | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| CO1 | S | S | S | S | S | S | S | S | S | S |
| CO2 | S | S | M | S | S | S | S | S | S | S |
| CO3 | S | S | S | S | M | S | M | S | S | M |
| CO4 | S | S | S | S | S | S | S | S | S | S |
| CO5 | S | S | S | S | S | M | S | S | S | S |

*S-Strong; M-Medium; L-Low

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| | | | | | | |
|---|--|--|----------|----------|-----------------|----------|
| Course code | P23LS2:A | LIBRARY AUTOMATION AND DIGITAL LIBRARY (THEORY) | L | T | P | C |
| Core/Elective/Supportive | Elective III | | - | - | - | 3 |
| Pre-requisite | Basic understanding of Computers and their applications in a library. | | | | | |
| Course Objectives: At the end of completing this course, students will have basic knowledge on library automation and digital library softwares. | | | | | | |
| <ol style="list-style-type: none"> 1. To know the concept, functions of library automation and digital library software. 2. Understand the design and development of digital libraries and institutional repositories. 3. To evaluate suitable library automation software and digital library software to build library collection. | | | | | | |
| Expected Course Outcomes: | | | | | | |
| On the successful completion of the course, student will be able to: | | | | | | |
| 1. | Understand the basic concept, origin and Development of Library Automation and Digital Library Standards | | | | | K2 |
| 2. | Apply the different modules of automation software. | | | | | K3 |
| 3. | Analyze the different between open source and commercial Software. | | | | | K4 |
| 4. | Develop the digitalization process and digital storage of documents | | | | | K4 |
| 5. | Evaluate various digital library software's | | | | | K5 |
| K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 – Create | | | | | | |
| Unit:1 | Library Automation and digital library | | | | 14 hours | |
| Basic concepts, definition, need and functions, planning and implementation of library automation and digital library-Library automation and Digital library Standards. | | | | | | |
| Unit:2 | Library Automation | | | | 14 hours | |
| Automation of in-house operations –Acquisition, Cataloguing, Circulation, Serials, OPAC and Administration and Reports Generation. | | | | | | |
| Unit:3 | Automation Software | | | | 14 hours | |
| Automation Software-WINISIS, Java ISIS; Open Source : Koha, NewGenLib; Commercial : LIBSYS, and SOUL. | | | | | | |
| Unit:4 | Digitalization Process | | | | 14 hours | |
| Digitalization Process, Digital Storage Mechanism, Digital Library Architecture Management and Standards, Digital Archives and Preservation and Naming of files | | | | | | |
| Unit:5 | Digital Collection Management | | | | 14 hours | |
| Collection Building, Access, Management; Institutional Repositories, Overview of Digital Library Software: GSDL, DSpace, E-Prints. | | | | | | |
| Unit-6 | Contemporary Issues | | | | 2 hours | |

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| | | | | | | |
|--|---|-----------------------------|----------|----------|-----------------|----------|
| Course code | P23LS2:B | KNOWLEDGE MANAGEMENT | L | T | P | C |
| Core/Elective/Supportive | ELECTIVE IV | | - | - | - | 3 |
| Pre-requisite | Management of Knowledge may learn to Knowledge Management | | | | | |
| Course Objectives: At the end of completing this course, students will have knowledge on Knowledge Management. | | | | | | |
| The main objectives of this course are to: | | | | | | |
| <ol style="list-style-type: none"> 1. Helps students to codify and organize knowledge 2. Assist in learning knowledge transfer and sharing 3. Make students to understand to tools for knowledge management | | | | | | |
| Expected Course Outcomes: | | | | | | |
| On the successful completion of the course, student will be able to: | | | | | | |
| 1 | Student can remember the Knowledge Management concepts | | | | | K1 |
| 2 | Students can understand the knowledge creation models | | | | | K2 |
| 3 | Students can apply the knowledge mapping | | | | | K3 |
| 4 | Students can analyze the knowledge sharing | | | | | K4 |
| 5 | Students can create and evaluate the legal and ethical issues | | | | | K5 |
| K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create | | | | | | |
| Unit:1 | Introduction to Knowledge Management | | | | 14 hours | |
| Knowledge Management: Concept and definitions – Need for Knowledge Management in the emerging and changing business environment – Understanding Knowledge; Types of knowledge – changing role of library and Information professionals. | | | | | | |
| Unit:2 | Creation and Capturing | | | | 14 hours | |
| Knowledge creation and capturing: knowledge creation model – capturing tacit Knowledge. | | | | | | |
| Unit:3 | Codification and Organization | | | | 14 hours | |
| Knowledge codification and organization: Knowledge base -knowledge mapping, decision trees, decision tables, frames etc. | | | | | | |
| Unit:4 | Transfer and Sharing | | | | 14 hours | |
| Knowledge transfer and sharing steps in knowledge transfer. Knowledge transfer in E – world, role of internet E – Business / E – commerce. | | | | | | |
| Unit:5 | Tools | | | | 14 hours | |
| Tools for Knowledge Management– neural networks data mining – legal and ethical issues in Knowledge Management | | | | | | |
| Unit:6 | Contemporary Issues | | | | 02 hours | |
| Expert Lectures, Online Seminars - Webinars | | | | | | |
| | Total Lecture hours | | | | 72 hours | |

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| Text Book(s) | |
|---|---|
| 1 | Ramesh Babu, B, Ed. (et al.) Knowledge Management: Today and Tomorrow- 2003. |
| 2 | Awad, E.M & G.H.M – Knowledge Management, 2004. |
| 3 | Shemon, Lee – Managing the Modern Document 2001. |
| Reference Books | |
| 1 | Robert, W.S. – “Knowledge everywhere” Knowledge Management 2001. |
| 2 | Hayes – Roth, F. and Jacob stein, N- State of Knowledge based systems 1994. |
| Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.] | |
| 1 | https://www.mooc-list.com/university-entity/hkpolyux |
| 2 | https://www.mooc-list.com/tags/public-library |
| 3 | https://www.mooc-list.com/tags/knowledge-management |

| Mapping with Programme Outcomes | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| CO1 | S | S | S | S | S | M | S | S | S | S |
| CO2 | S | S | M | S | S | S | M | S | S | S |
| CO3 | S | S | M | S | S | S | M | S | M | S |
| CO4 | S | M | S | M | S | S | S | M | S | S |
| CO5 | M | S | S | S | L | S | M | S | S | L |

*S-Strong; M-Medium; L-Low

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| | | | | | | |
|--|--|--------------------------------------|----------|----------|-----------------|----------|
| Course code | P23LS2E1 | DIGITAL INFORMATION RESOURCES | L | T | P | C |
| Core/Elective/Supportive | NMEC I | | - | - | - | 2 |
| Pre-requisite | Student should know the basic concept of digital information resources | | | | | |
| Course Objectives: | | | | | | |
| The main objectives of this course are to: | | | | | | |
| <ol style="list-style-type: none"> 1. Know the nature of Digital information Sources and Services 2. Assist to learn various Open Educational Resources and Union Catalogues 3. Gain knowledge on Social Networking Sites as well as Academic Social Networking Sites | | | | | | |
| Expected Course Outcomes: | | | | | | |
| On the successful completion of the course, student will be able to: | | | | | | |
| 1. | Understand the concept, features and types of Digital Information Resources | | | | | K2 |
| 2. | Analyze the different kinds of digital information services like ePGPathshala, N-LIST. | | | | | K4 |
| 3. | Identify the different source of information available in digital format. | | | | | K4 |
| 4. | Evaluate the scope , collections and coverage of NDLI | | | | | K5 |
| 5. | Creates the awareness among LIS students about the important and the impacts of social networking sites. | | | | | K6 |
| K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create | | | | | | |
| Unit:1 | Introduction to Digital Information Resources | | | | 07 hours | |
| Digital Information Resources: Nature, Features and Types, Subject Gateways, Subject Directories and Web Portals. | | | | | | |
| Unit:2 | Digital Information Services | | | | 07 hours | |
| National Library and Information Services Infrastructure for Scholarly Content (N-LIST): Collections, Coverage and Access. | | | | | | |
| Unit:3 | Open Educational Resources | | | | 07 hours | |
| Swayam, SwayamPrabha and Spoken Tutorials, Collections, Coverage and Access, OER Commons, OASIS and Open Textbooks. | | | | | | |
| Unit:4 | NDLI & Union Catalogues | | | | 07 hours | |
| National Digital Library of India (NDLI), INDcat, and WorldCat: -Collections, Coverage and Access. | | | | | | |
| Unit:5 | Networking Sites | | | | 07 hours | |

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| | | |
|--|---|-----------------|
| Web 2.0 and Library 2.0; Social Networking Sites: Blogs, WIKIS and Wikipedia, Academic Social Networking Sites: Research Gate, Academia.edu. | | |
| Unit:6 | Contemporary Issues | 01 hours |
| Expert lectures, online seminars - webinars | | |
| | Total Lecture hours | 36 hours |
| Text Book(s) | | |
| 1. | Churchill, Daniel Digital Resources for Learning, 2017. ISBN - 9789811037757 | |
| 2. | Baker, David & Ellis, Lucy (Eds) Future Directions in Digital Information Predictions, Practice, Participation. ISBN - 9780128221440 | |
| 3. | Shaw, Marie Keen Library Technology and Digital Resources, 2015. ISBN - 9781442256453 | |
| Reference Books | | |
| 1. | Jeyapragash, B Academic Social Networking and Online Tools for Research, 2017. ISBN: 978-81-932961-5-8 | |
| 2. | Thanuskodi, S. Challenges and Opportunities of Open Educational Resources Management, 2020. ISBN 0- 9781799835615. | |
| Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.] | | |
| 1. | https://www.mooc-list.com/tags/resources | |
| 2. | https://onlinecourses.nptel.ac.in/noc23_cs69 | |
| 3. | https://swayam.gov.in/about | |

| Mapping with Programme Outcomes | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| CO1 | L | L | S | S | L | S | S | S | M | S |
| CO2 | L | M | S | L | H | H | S | M | S | L |
| CO3 | M | S | M | S | M | S | M | S | S | L |
| CO4 | M | M | S | L | M | S | L | L | S | M |
| CO5 | H | H | M | H | H | M | S | M | S | M |

*S-Strong; M-Medium; L-Low

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SEMESTER - III

| | | | | | | |
|---|--|-------------------------------------|----------|----------|-----------------|----------|
| Course code | P23LS305 | INFORMATION RETRIEVAL SYSTEM | L | T | P | C |
| Core/Elective/Supportive | Core V | | - | - | - | 5 |
| Pre-requisite | Must have basic knowledge on various subjects/sub class of the given subject | | | | | |
| Course Objectives: At the end of completing this course, students will have basic knowledge on Information storage and retrieval | | | | | | |
| The main objectives of this course are to: | | | | | | |
| <ol style="list-style-type: none"> 1. Provide knowledge on Information Storage and Retrieval system. 2. To educate students on modern IRS 3. To enable documents retrieval by using different search strategies. Retrieve documents precisely by using different search strategies | | | | | | |
| Expected Course Outcomes: | | | | | | |
| On the successful completion of the course, student will be able to: | | | | | | |
| 1 | The Students will know the importance of IRS and the process of IRS | | | | | K1 |
| 2 | To understand the concept of information storage & Retrieval | | | | | K2 |
| 3 | To apply Illustrate information retrieval models | | | | | K3 |
| 4 | To analyze information retrieval systems | | | | | K4 |
| 5 | To compare and evaluate the database searching method | | | | | K5 |
| K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create | | | | | | |
| Unit:1 | Information Processing and Retrieval: | | | | 14 hours | |
| Information Storage and Retrieval, Concepts, Definition and Types –Impact of various schemes of classification – CC- DDC - UDC | | | | | | |
| Unit:2 | Indexing Languages and Vocabulary Control | | | | 14 hours | |
| Indexing Languages concepts and Types –Thesaurus – Need – Steps in compilation.- Bibliographic Control : UBC - UAP | | | | | | |
| Unit:3 | Indexing Systems | | | | 14hours | |
| Indexing Systems Concepts, Definition and Types –Pre Co-ordinate and Post Co-ordinate indexing – PRECIS,– Chain Indexing – Uniterm Indexing – Title indexes : KWIC - KWOC etc., – Citation Indexing : Engineering Village, Proquest , SCOPUS, etc | | | | | | |
| Unit:4 | Search Strategies | | | | 14 hours | |
| Search and Search Statements - Formulation of Search Strategies – Tools and Techniques – Boolean Logic | | | | | | |
| Unit:5 | Evaluation of IRS | | | | | |

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| Evaluation of Indexing Systems - Criteria for Evaluation of IRS – Recall – Precision – Specificity – Exhaustively – Information Retrieval Models | |
| Unit-6 | Contemporary Issues |
| Expert Lectures, Online Seminars - Webinars | |
| | Total Lecture hours |
| | 72 hours |
| Text Book(s) | |
| 1. | Information Storage and Retrieval by <u>Robert R. Korfhage</u> 1 January 2006 |
| 2. | Information Storage and Retrieval Systems: Theory and Implementation 2e by Gerald J. Kowalski 1 January 2009 |
| 3. | Introduction to Information Retrieval by Manning Christopher D. (Author), <u>Raghavan Prabhakar</u> (Author), <u>Schütze Hinrich</u> (Author) |
| Reference Books | |
| 1. | Atchison, Jean and Gilchrist, Alan. Thesaurus Construction: A Practical Manual, London: ASLIB. 1972 |
| 2. | Chowdhry, G. G. Introduction to Modern Information Retrieval. 2nd ed. London: Facet, 2003 |
| 3. | Foskett, A.C. The Subject Approach to Information. 4th Ed. London: Clive Bingley, 982 |
| 4. | Lancaster, F. W. Information Retrieval Systems: Characteristics, Testing and Evaluation. 2nd Ed., 197 |
| 5. | Ranganathan, S. R. Prolegomena to Library Classification. Vol. 1. Bangalore: SRELS, 1967. |
| 6. | Salton, G. Automatic Information Organization and Retrieval, 1968. |
| 7. | Stokes, Adrian. Concise Encyclopedia of Information Technology. 3rd Ed. Hants Wild Wood, 198 |
| Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.] | |
| 1. | http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=21 |
| 2. | https://www.tutorialspoint.com/public_library_management/public_library_management_knowledge_organization.htm |
| 3. | https://www.youtube.com/watch?v=ttFJZgNdryQ |

| Mapping with Programme Outcomes | | | | | | | | | | |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| CO1 | S | S | S | S | M | M | MM | M | M | M |
| CO2 | S | S | S | S | M | M | M | M | L | L |
| CO3 | S | S | S | S | S | S | M | M | L | L |
| CO4 | S | S | S | S | S | S | S | S | S | S |
| CO5 | S | S | S | S | S | S | S | S | S | S |

*S-Strong; M-Medium; L-Low

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| | | | | | | |
|--|--|-------------------------|----------|----------|-----------------|----------|
| Course code | P23LS306 | RESEARCH METHODS | L | T | P | C |
| Core/Elective/Supportive | Core VI | | - | - | - | 5 |
| Pre-requisite | Students should know the basic knowledge of research | | | | | |
| Course Objectives: | | | | | | |
| <ol style="list-style-type: none"> 1. To develop a research orientation among the students and acquaint them with fundamentals of research methods. 2. The course aims at introducing them to the basic concepts used in research and to scientific social research methods and their approach. 3. It includes discussions on sampling techniques, research design, techniques of analysis, research report writing methods and teaches how to write a research proposal. | | | | | | |
| Expected Course Outcomes: | | | | | | |
| On the successful completion of the course, student will be able to: | | | | | | |
| 1. | Remember the basic concept of the research | | | | | K1 |
| 2. | Gain knowledge of the research process | | | | | K2 |
| 3. | Apply suitable research methods & techniques to solve library management problems and issues | | | | | K3 |
| 4. | Develop necessary critical thinking skills in order to evaluate different research approaches utilized in the library services | | | | | K4 |
| 5. | Demonstrate knowledge and understanding of data analysis and interpretation in relation to the research process. | | | | | K5 |
| K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create | | | | | | |
| Unit:1 | Basics of Research | | | | 14 hours | |
| Research Meaning, Fundamental of Research Concept, Types and Significance – Research Problem – Identification, Selection and Formulation – Literature Review – Sources, Process, and Limitations – Logic and Scientific Method. | | | | | | |
| Unit:2 | Research Design | | | | 14 hours | |
| Definition, Need, Types and Components – Hypothesis – Definition, Formulation, Types and Testing – Sampling – Concept and Need of study population and Sampling, Types of Sampling Techniques – Probability and Non- Probability, Derivation of Sample, Sample Bias and Error – Preparation of a Research Proposal – Components and Steps. | | | | | | |
| Unit:3 | Research Methods | | | | 14 hours | |
| Survey, Experimental, Case-study, Historical, and Scientific – Sources of Data – Primary, Secondary, and Tertiary – Data Collection Tools - Questionnaire, Interview, Observation, Delphi – Measures and Scaling Techniques. | | | | | | |

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| Unit:4 | Tools for Research | 14 hours |
| Need and Importance, Descriptive and Inferential Statistics – Measures of Central Tendency – Standard Deviation – T-Test, Chi-Square, ANOVA, Correlation Analysis – Introduction to SPSS and its applications. | | |
| Unit:5 | Presentation and Reporting | 14 hours |
| Presentation of Data-Tables, Charts and Figures- Interpretation, Inferences-Deductive and Inductive- Report Writing- Components and Evaluation of a Research Report- Style Manuals- Chicago, MLA, APA – Introduction to Reference Manager – Ethics in Research and Publication. Trends in Library and Information Science Research-Metric Studies in LIS. | | |
| Unit:6 | Contemporary Issues | 02 hours |
| Expert Lectures, Online Seminars - Webinars | | |
| | Total Lecture hours | 72 hours |
| Text Book(s) | | |
| 1. | Goode, W.J & Hatt, P.K (1989). <i>Method of Social Research</i> . McGraw Hill. Auckland. | |
| 2. | Krishna Kumar (1992). <i>Research methods in library in social science</i> . Vikas, New Delhi. | |
| 3. | Charles, H. et.al (1993). <i>Research Methods in Librarianship: Techniques and Interpretations</i> . New Delhi, Sage. | |
| Reference Books | | |
| 1. | Auger (1961). <i>Current trends in scientific research</i> . UNESCO, Paris. | |
| 2. | Bundy.M.L & Wasserman.P (1970). <i>Reader in research methods in librarianship; techniques and interpretation: academic</i> , New York. | |
| 3. | Busha, Charles, H. and Harter, Stephen, S (1980). <i>Research Methods in Librarianship</i> . | |
| 4. | Downs, R.B & Down, E (1966). <i>How to do library research</i> .University of Illinois Press, Urbana. | |
| 5. | Gopal, M.H (1990). <i>An introduction to research procedure in social sciences</i> . Asia, Bombay. | |
| 6. | Leedy, Paul, D. and Ormrod Jeanne Ellis (2016). <i>Practical research : planning and design</i> , University of northern, Colorado | |
| 7. | Slatter, Margaret (1990). <i>Research, methods in library and information science</i> . London, L.A. | |
| 8. | Tabuer, M.F and Stephens, I.R (1968). <i>Library surveys</i> . Columbia University Press, New York. | |
| Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.] | | |
| 1. | https://onlinecourses.swayam2.ac.in/cec20_mg14/preview | |

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| Mapping with Programme Outcomes | | | | | | | | | | |
|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| CO1 | S | S | M | M | M | M | M | M | L | L |
| CO2 | S | S | S | S | S | S | S | S | M | M |
| CO3 | S | S | S | S | S | S | M | M | M | S |
| CO4 | S | S | S | S | M | M | S | S | S | S |
| CO5 | S | S | S | S | S | S | S | S | S | S |

*S-Strong; M-Medium; L-Low

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| | | | | | | |
|---|--|--|----------|----------|-----------------|----------|
| Course Code | P23LS3P3 | LIBRARY AUTOMATION PRACTICE | L | T | P | C |
| Core/Elective/Supportive | | Core Practice III | - | - | - | 5 |
| Pre-requisite | | Students should know basic of computer and typing skills | | | | |
| Course Objectives: | | | | | | |
| 1. To enable students to gain hands on experience using library automation software packages. 2. To design and develop database using any software packages available in the market 3. To design and develop digital collections and management systems in library. | | | | | | |
| Expected Course Outcomes: | | | | | | |
| On the successful completion of the course, student will be able to: | | | | | | |
| 1. | Remember various library computerized services | | | | | K1 |
| 2. | Understand the basics of KOHA Software. | | | | | K4 |
| 3. | Discover the functions of KOHA Library Automation Software. | | | | | K4 |
| 4. | Discover the functions of NewGenLib Library Automation Software. | | | | | K6 |
| 5. | Apply the modules in Automation, Acquisition, Cataloguing and Circulation using NewGenLib Software | | | | | K6 |
| K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create | | | | | | |
| Unit:1 | Koha | | | | 35 hours | |
| Installation - Administration - Acquisition – Cataloguing -Patrons – Circulation – Serial Controls- Report Generation | | | | | | |
| Unit:2 | NewGenLib | | | | 35 hours | |
| Installation - Administration - Acquisition – Cataloguing -Patrons – Circulation – Serial Controls Report Generation | | | | | | |
| Unit | Contemporary Issues | | | | 02hours | |
| Expert lectures, online seminars - webinars | | | | | | |
| | Total Lecture hours | | | | 72 hours | |
| Text Book(s) | | | | | | |
| 1. | Amit Gupta and Savitra Sirohi (2010) Koha 3 Library Management System, Packt Publishing, ISBN: 9781849510820 | | | | | |
| 2. | Clayton, Marlene (2018). <i>Managing library automation</i> . 2nd ed. London: | | | | | |
| Reference Books | | | | | | |

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| | |
|---|--|
| 1. | Mishra, Vinod Kumar (2016). <i>Basics of library automation, Koha library management software and data migration: Challenges with case studies</i> . New Delhi: EssEss Publications. |
| 2. | Theresabala, T, Ratnakumari, C & Rani, B.A, (2001) <i>Information technology, and library automation</i> , Common wealth Publishers pvt. Ltd |
| 3. | Poliwali, R.S, (2001) <i>Information resources for library and information technology</i> , Navug Books International. |
| 4. | Anil Dhiman, K & Yashodarani, (2014) <i>Leran information and reference sources and services</i> , ESS ESS Publications. |
| Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.] | |
| 1. | www.inflibnet.ac.in Epg pathsala |
| 2. | http://debian.koha-community.org/koha |

| Mapping with Programme Outcomes | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| CO 1 | S | S | M | M | M | M | M | M | L | L |
| CO 2 | S | S | S | S | S | S | S | S | M | M |
| CO 3 | S | S | S | S | S | S | M | M | M | S |
| CO 4 | S | S | S | S | M | M | S | S | S | S |
| CO 5 | S | S | S | S | S | S | S | S | S | S |

*S-Strong; M-Medium; L-Low

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|--|---|---------------------------------|----------|----------|-----------------|----------|
| Course Code | P23LS3P4 | DIGITAL LIBRARY PRACTICE | L | T | P | C |
| Core/Elective/Supportive | Core Practice IV | | - | - | - | 5 |
| Pre-requisite | Students should know basic of computer and typing skills | | | | | |
| Course Objectives: | | | | | | |
| <ol style="list-style-type: none"> 1. To enable students to gain hands on experience using digital library software packages. 2. To design and develop database using any digital library software packages available in the market 3. To design and develop digital collections and management systems in library. | | | | | | |
| Expected Course Outcomes: | | | | | | |
| On the successful completion of the course, student will be able to: | | | | | | |
| 1 | Understand the basics of open source digital library software. | | | | | K4 |
| 2 | Customise the digital library software to develop the digital library collection. | | | | | K4 |
| 3 | Create, design & develop communities and sub- communities using DSpace | | | | | K6 |
| 4 | Design Institutional Repository using E-Prints | | | | | K5 |
| 5 | Develop Digital Library Collection using Wordpress | | | | | K6 |
| K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create | | | | | | |
| Unit:1 | DSpace: Digital Library Software | | | | 17 hours | |
| Digital Library Collection-Collection Building | | | | | | |
| Unit:2 | EPrints: Digital Library Software | | | | 17 hours | |
| Digital Library Collection-Collection Building | | | | | | |
| Unity 3 | Word Press | | | | 17 hours | |
| web content management – Creating websites – library collection management | | | | | | |
| Unit 4 | Drupal - CMS | | | | 17 hours | |
| web content management – Creating websites – library collection management | | | | | | |
| Unit 5 | Contemporary Issues | | | | 02hours | |
| Expert lectures, online seminars - webinars | | | | | | |
| | Total Lecture hours | | | | 72 hours | |
| Text Book(s) | | | | | | |
| 1 | Andrews, J. (2010). Digital libraries. London: Ashgate. | | | | | |

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| | |
|---|---|
| 2 | Gopal, K. (2000). Digital libraries in electronic information era |
| Reference Books | |
| 1 | Lesk, M. (1996). Understanding digital libraries (2 nd ed.). San Francisco: Moragan Kaufman. |
| 2 | Pitkin, G. M. (ED.) (1996). The National electronic library: A guide to the future for library managers. London: Greenwood Press. |
| 3 | Cornish, G.P. (1990). Copyright interpreting the law for libraraies and archives. London: Library associations. |
| 4 | Dahl, M.V., Banarjee, k., & Spalti. M. (2006). Digital libraries: Integrating contents and systems. |
| Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.] | |
| 1. | www.inflibnet.ac.in Epg pathsala |
| 2. | https://www.tutorialspoint.com/drupal/index.htm |
| 3. | WWW.dspace.org |
| 4. | https://www.eprints.org |
| 5. | https://www.tutorialspoint.com/wordpress/index.htm |

| Mapping with Programme Outcomes | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| CO1 | S | S | M | M | M | M | M | M | L | L |
| CO2 | S | S | S | S | S | S | S | S | M | M |
| CO3 | S | S | S | S | S | S | M | M | M | S |
| CO4 | S | S | S | S | M | M | S | S | S | S |
| CO5 | S | S | S | S | S | S | S | S | S | S |

*S-Strong; M-Medium; L-Low

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| | | | | | | |
|---|---|---|----------|----------|-----------------|----------|
| Course code | P23LS3:A | MARKETING OF INFORMATION PRODUCTS AND SERVICES | L | T | P | C |
| Core/Elective/Supportive | ELECTIVE V | | - | - | - | 3 |
| Pre-requisite | Students should know basic of marketing of information products and services. | | | | | |
| Course Objectives: At the end of completing this course, students will have knowledge on marketing of information products and services. | | | | | | |
| The main objectives of this course are to: | | | | | | |
| 1. Explain the evolution of various information products. | | | | | | |
| 2. Discuss the effect of various information services. | | | | | | |
| 3. Explain the need for marketing of information. | | | | | | |
| Expected Course Outcomes: | | | | | | |
| On the successful completion of the course, student will be able to: | | | | | | |
| 1 | Student can understand the marketing of information. | | | | | K1 |
| 2 | Students can understand the marketing model and matrix | | | | | K2 |
| 3 | Students can apply the marketing mix | | | | | K3 |
| 4 | Students can understand the marketing plan & research | | | | | K4 |
| 5 | Students can understand the information industry | | | | | K5 |
| K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create | | | | | | |
| Unit:1 | Marketing of Information | | | | 14 hours | |
| Information as a Resource: Economics of Information; Marketing concepts - Corporate Mission; Marketing Strategies | | | | | | |
| Unit:2 | Marketing Model and Matrix | | | | 14 hours | |
| Portfolio Management BCG Matrix Model; Product Market Matrix; Product Life Cycle, Pricing Models. ANSOFF Matrix SWOT Analysis, bran Management and Advertising. | | | | | | |
| Unit:3 | Marketing Mix | | | | 14 hours | |
| Meaning need, purpose and types of marketing Mix; Kotlers Four “Cs”; McCarthy’s Four “Ps” Recent trends on marketing mix, Break even analysis | | | | | | |
| Unit:4 | Marketing Plan & Research | | | | 14 hours | |
| Marketing Plan & Research: Corporate Identity, marketing plan: Marketing Research. Market Segmentation and Targeting; Geographic and Demographic Segmentation; Behavioral and Psychographics Segmentation; User Behavior and Adoption | | | | | | |
| Unit:5 | Information Industry | | | | 14 hours | |
| Information industry - marketing of information Product & Services. E-Marking concepts Benefits, classification and issues. Implementing and evaluating programs in Marketing. | | | | | | |
| Unit:6 | Contemporary Issues | | | | 02 hours | |
| Expert Lectures, Online Seminars - Webinars | | | | | | |
| | Total Lecture hours | | | | 72 hours | |

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| Text Book(s) | |
|---|---|
| 1 | Anderson, A.R. Advancing library marketing. Journal of Library Administration. 1(3), 1980, pp. 17 32. |
| 2 | Bellardo, T. and Waldhart, T J. Marketing products and services in academic libraries, Libri. 27(3), 1977. pp. 181 194 |
| 3 | Berry J. The test of the marketplace. Library Journal. 104. Sept. 1979. pp. 1605. |
| Reference Books | |
| 1 | Anderson, W. T. Jr., Bentley, C. C. and Sharpe, L K IV. Multi-dimensional marketing: Managerial, societal, and philosophical. Austin TX: Austin Press 1976. |
| 2 | Dragon, A C. Marketing the library. Wilson library bulletin. 53, 1979, pp. 498 500. |
| 3 | Eisner, J, ed. Beyond PR: Marketing for libraries. A Library Journal Special Report, 1981. |
| Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.] | |
| 1 | https://idl-bnc-idrc.dspacedirect.org/ |
| 2 | https://www.researchgate.net/ |
| 3 | http://www.lisbdnetwork.com/ |

| Mapping with Programme Outcomes | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| CO1 | M | S | S | S | S | M | S | M | M | S |
| CO2 | S | M | M | M | M | S | M | S | M | M |
| CO3 | S | S | M | S | S | S | M | M | M | S |
| CO4 | S | M | S | M | S | S | S | M | S | S |
| CO5 | M | S | S | S | L | S | M | S | M | M |

*S-Strong; M-Medium; L-Low

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| | | | | | | |
|---|--|--------------------------|----------|----------|-----------------|----------|
| Course code | P23LS3E2 | TECHNICAL WRITING | L | T | P | C |
| Core/Elective/Supportive | NMEC II | | - | - | - | 2 |
| Pre-requisite | Knowledge of writing, editing and presentation | | | | | |
| Course Objectives: At the end of completing this course, students will have knowledge on technical writing on Library and Information Science. | | | | | | |
| The main objectives of this course are to: | | | | | | |
| <ol style="list-style-type: none"> 1. To equip the learner with the knowledge of technical documents and reports 2. To enhance ability of writing, editing and presentation of research proposals and reports | | | | | | |
| Expected Course Outcomes: | | | | | | |
| On the successful completion of the course, student will be able to: | | | | | | |
| 1 | To know the need, purpose, nature of audience of technical commendation | | | | | K1 |
| 2 | To understand various types of technical documents and pre-writing and editing methods | | | | | K2 |
| 3 | To apply the standards and formats in preparing testing the technical documents | | | | | K3 |
| 4 | To build the ability of preparing proposals and correspondence | | | | | K4 |
| 5 | To design the technical manuals and draft the methods of writing proposals | | | | | K5 |
| K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create | | | | | | |
| Unit:1 | Technical Communication | | | | 14 hours | |
| Definition, purpose, characteristics-Audience-Centered communication, Description and effectiveness-Legal and ethical communication, Description and importance-Implicit and explicit rules of communication. | | | | | | |
| Unit:2 | Technical Documents | | | | 14 hours | |
| Types of technical documents-Prewriting: Determining purpose, Analyzing audience, choosing channels of communications, writing tone and voice, word choice, language, paragraph structure, Effective visual design-Editing: corrections, proof readers and revision techniques-Role of editors. | | | | | | |
| Unit:3 | Elements of Technical Documents | | | | 14 hours | |
| Title, Heading, Summary, Abstract, definition, description, conclusion, glossary, Usability testing-Participant recruiting, Roles of testing, Test planning. | | | | | | |
| Unit:4 | Technical Reports | | | | 14 hours | |
| Types in informal, formal-Business reports and proposals-Business correspondence-Technical resumes and letters. | | | | | | |
| Unit:5 | Technical Instructions | | | | 14 hours | |
| Technical Methods- Methods of writing proposals. | | | | | | |
| Unit:6 | Contemporary Issues | | | | 02 hours | |
| Expert Lectures, Online Seminars - Webinars | | | | | | |

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| | | Total Lecture hours | 72 hours |
|---|---|----------------------------|-----------------|
| Text Book(s) | | | |
| 1 | Sajitha Jayaprakesh, Technical writing: Management Perspective | | |
| 2 | Raj Mohan Joshi, Writing skills for Technical Purposes, Isha Book, Delhi, 2006 | | |
| 3 | Seetharaman S, Guidelines for Technical Writing for Librarians & Information Professionals, Ess Ess, New Delhi, 2015 | | |
| 4 | Daniel G. Riordan and Steven E Pauley, Technical Report writing Today, Biztantra, New Delhi, 2004 | | |
| 5 | Sharon J Gerson and Steven M. Gerson, Technical Writing, Pearson Education, New Delhi, 2009. | | |
| Reference Books | | | |
| 1 | Michael H Markel and Mike Markel, Technical Communication, Ill.Ed. St Martins Publisher, Bedford , 2012 | | |
| 2 | Meenakshi Raman and Sangeetha Sharma, Technical Communication: Principles and Practice, 3 rd ED, Oxford University Press, London, 2015 | | |
| Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.] | | | |
| 1 | http://writingassist.com | | |
| 2 | http://site.lugaza.edu.ps | | |
| 4 | http://batchlibretestes.org | | |

| Mapping with Programme Outcomes | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| CO1 | S | S | S | S | S | M | S | S | S | S |
| CO2 | S | S | S | S | M | S | S | S | S | M |
| CO3 | S | S | S | S | S | S | M | L | S | S |
| CO4 | S | M | M | S | S | S | S | S | S | S |
| CO5 | S | S | L | S | S | S | S | M | S | S |

*S-Strong; M-Medium; L-Low

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| Course code | P23LS3I1 | INTERNSHIP AND FIELD WORK | L | T | P | C |
|--|-----------------|----------------------------------|----------|----------|----------|----------------|
| Core/Elective/Supportive | | | - | - | - | 2 |
| Pre-requisite | | | | | | |
| <p>Course Objectives: During the internship program, the student shall have to:</p> <ol style="list-style-type: none"> 1. Work in a practical environment and to get hands on experience in handling online databases, handling library management software, practical work related to the library resources and services. 2. Procurement of Library Materials-purchase policy (Book and periodicals both print and online) 3. Process of subscription of journal and periodical both manual & online. 4. Processing of Library Materials 5. Shelving and Circulation Policy 6. Communication Knowledge 7. Knowledge Expansion | | | | | | |
| <p>Expected Course Outcomes: At the end of the internship, the student should be able to:</p> <ol style="list-style-type: none"> 1. Acquire complete professional skills-set matching the expectations of the employer and Gained professional confidence with a high level knowledge and skills set in managing a library 2. To obtain the knowledge about precise enunciation of user needs, information retrieval with recall and precision document delivery, user study reports, user education programming and service delivery and statistical report generation. 3. Attain the knowledge of library budget preparation and presentation for both traditional and digital environment 4. Attain the knowledge of the library technical processing works; render effective information services with traditional and digital environment 5. Developing professional excellence on supervising and controlling digital library division management, material management, staff management, and overall safety and security management 6. Equip sufficient knowledge about internet resources, information harvesting, compilation of online bibliographies and maintenance of Public Relations. 7. Acquire the knowledge of creating academic or industrial libraries including institutional repository. | | | | | | |
| | | Total Lecture hours | | | | 72 hrs. |

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| Mapping with Programme Outcomes | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| CO1 | S | S | M | M | M | M | M | M | L | L |
| CO2 | S | S | S | S | S | S | S | S | M | M |
| CO3 | S | S | S | S | S | S | M | M | M | S |
| CO4 | S | S | S | S | M | M | S | S | S | S |
| CO5 | S | S | S | S | S | S | S | S | S | S |

***S-Strong**; M-Medium; L-Low

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SEMESTER - IV

| | | | | | | |
|--|---|---------------------|----------|----------|-----------------|----------|
| Course code | P23LS407 | INFORMETRICS | L | T | P | C |
| Core/Elective/Supportive | Core VI | | - | - | - | 5 |
| Pre-requisite | Students will be required to understand and apply basic concepts of descriptive and inferential statistics. | | | | | |
| Course Objectives: At the end of completing this course, students will have knowledge on literature measuring techniques. | | | | | | |
| The main objectives of this course are to: to prepare students for professional practice in the design, application, and evaluation of (a) Evaluative studies of scholarly productivity and popularity, (b) Link-based information retrieval systems and library services, and (c) Descriptive and predictive studies of disciplinary structure. | | | | | | |
| Expected Course Outcomes: | | | | | | |
| On the successful completion of the course, student will be able to: | | | | | | |
| 1. | Make confident and successful use, in the generation, analysis, and presentation of bibliometric data, of a wide range of tools, standards, and techniques | | | | | K1 |
| 2. | Appreciate, and communicate to others, the needs and preferences of information seekers, collections managers, information systems designers, and research policymakers | | | | | K2 |
| 3. | Participate actively in contemporary debates about bibliometric theory and practice. | | | | | K3 |
| 4. | critical analyses of the efficiency and effectiveness of citation databases | | | | | K4 |
| 5. | Conduct critical evaluations of the impact and influence of documents, authors, journals, and fields | | | | | K5 |
| K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create | | | | | | |
| Unit:1 | Metrics Evaluation | | | | 14 hours | |
| Concept, Evolution & Definitions – Classifications, Librametry, Bibliometrics, Scientometrics, Informetrics, Cybermetrics, Webmetrics, Wikimetrics, Open source metrics, Journals metrics and Alt metrics. | | | | | | |
| Unit:2 | Growth of Literature | | | | 14 hours | |
| Growth of Literature – Information Explosion/Publication Explosion | | | | | | |

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| | | |
|--|---|-----------------|
| Unit:3 | Metric Laws | 14 hours |
| Bibliometrics Laws – Bradford, Zipf, Lotka, Price, Circulation Theory | | |
| Unit:4 | Citation Analysis | 14 hours |
| Citation Analysis – Forms of citation – Self Citation, Bibliographic coupling, Co-Citation, Journal Citation Report. | | |
| Unit:5 | Indicators. | 14 hours |
| Quantitative and qualitative indicators. Hi-Index, G-Index, Cited-Half life, citing half life . i10index, i20index science indicators, web impact assessment link analysis. | | |
| Unit:6 | Contemporary Issues | 02 hours |
| Expert lectures, online seminars - webinars | | |
| | Total Lecture hours | 72 hours |
| Text Book(s) | | |
| 1. | Author Co-citation Analysis: Quantitative Methods for Mapping the International Structure of an Academic Discipline , 2008 | |
| 2. | De Bellis, Nicola. 2009. Bibliometrics and citation analysis: From the Science Citation Index to cybermetrics. Lanham, MD: Scarecrow Press. | |
| 3. | Bibliometrics : New Dimensions and Latest Trend, Srivastava R, Alfa Publications 2011. | |
| Reference Books | | |
| 1. | Bibliometric and Citation Analysis from the Science Citation Index to Cybermetrics, 2009 | |
| 2. | Measuring Academic Research: How to Undertake a Bibliometric Study – 2009, Ana Abdres, Chendos Publishing | |
| Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.] | | |

| Mapping with Programme Outcomes | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| CO1 | S | S | S | S | L | S | M | S | S | M |
| CO2 | S | S | M | M | S | M | S | S | M | S |
| CO3 | M | M | S | S | S | S | M | L | M | M |
| CO4 | M | M | L | S | M | S | S | M | S | M |
| CO5 | S | S | M | M | S | M | S | S | S | L |

***S-Strong**; M-Medium; L-Low

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| | | | | | | |
|--|---|--|----------|----------|----------|-----------------|
| Course code | P23LS408 | CORPORATE LIBRARIES AND INFORMATION SYSTEMS | L | T | P | C |
| Core/Elective/Supportive | Core VII | | - | - | - | 5 |
| Pre-requisite | Knowledge of different types of libraries and their functions | | | | | |
| Course Objectives: At the end of completing this course, students will have knowledge on information products, services and develop skill set for managing the corporate libraries. | | | | | | |
| The main objectives of this course are to: | | | | | | |
| <ol style="list-style-type: none"> 1. Understand the nature and functions of Corporate Libraries 2. Analyse the different products, services of Corporate Librarians 3. Apply the skills for efficient functions of Corporate Libraries | | | | | | |
| Expected Course Outcomes: | | | | | | |
| On the successful completion of the course, student will be able to: | | | | | | |
| 1 | Explain the concept, nature, structures and functions of corporate library | | | | | K2 |
| 2 | Distinguish different type of information products and sources. | | | | | K2 |
| 3 | Determine the essential skills required to the knowledge managers. | | | | | K5 |
| 4 | Summaries the various computerized information services offered to the corporate library users. | | | | | K6 |
| 5 | Develop the tools for e-governance, e-learning tools and e-metrics. | | | | | K4 |
| K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create | | | | | | |
| Unit:1 | Corporate library | | | | | 14 hours |
| Introduction- Definition, Need, Nature and Functions of corporate Libraries and Information centers. Learning resources, Types of corporate Libraries and types of users and their Information need. Business school Libraries case analysis. | | | | | | |
| Unit:2 | Collection Development | | | | | 14 hours |
| Collection Development: Objectives and Purpose. Advantages of collection development planning, Implementation and evaluation. Book selection principles and policies, Procedures and problems. Information searching and access. Use of various search techniques | | | | | | |
| Unit:3 | Skills Sets | | | | | 14hours |
| Team Building, Leadership Skills, Problem Solving, Project Management, Stress Management, Time Management, Presentation, Negotiation, and Marketing Skills. | | | | | | |
| Unit:4 | Information Services and Products | | | | | 14 hours |
| Abstracting and Indexing: SDI, CAS, Mail Alerting, Electronic Bulletin Board; Information | | | | | | |

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| | | |
|--|---|-----------------|
| Condensation and Consolidation; Computerised Information Services: Mail Alerting and Web Archives, Innovative Library Services, and CSR Activities. | | |
| Unit:5 | Corporate Communications | 14 hours |
| Corporate communications systems and tools-newsletter. Bulletins, preparing for organizing events, Social talks, Conference, News briefs, Press releases, Editing, Reporting. Knowledge management in corporate Libraries. | | |
| Unit-6 | Contemporary Issues | 2hours |
| Expert Lectures, Online Seminars - Webinars | | |
| | Total Lecture hours | 72 hours |
| Reference books: | | |
| 1. | Anil Kumar Dhiman (2008). A Handbook of Special Libraries,.Ess Ess Publication | |
| 2. | Baby M.D. (2000). Changing Trends in Library and Information science. Ess Ess Publication | |
| 3. | Bailey Russell, D.(2012).Transforming Library service through Information Commons. Indiana Publishing House. | |
| Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.] | | |
| 1. | https://epgp.inflibnet.ac.in/ahl.php?csrno=21 | |
| 2. | https://youtu.be/Wqapgxxo09M | |
| 3. | https://youtu.be/vZapCv4t_Xg | |

| Mapping with Programme Outcomes | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| CO1 | S | S | S | M | S | S | S | S | S | S |
| CO2 | S | M | S | S | S | S | S | S | S | S |
| CO3 | M | S | S | L | S | S | S | L | L | S |
| CO4 | S | S | M | S | S | M | S | S | S | S |
| CO5 | S | S | S | S | S | S | S | L | S | S |

*S-Strong; M-Medium; L-Low

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| | | | | | | |
|---|--|--|---|----------|----------|----------------|
| Course code | P23LS4PJ | PROJECT WITH VIVA – VOCE | L | T | P | C |
| Core/Elective/Supportive | | | - | - | - | 7 |
| Pre-requisite | | Knowledge of Research Methods and Techniques | | | | |
| Course Objectives: At the end of completing this course, students will have knowledge on the application of research methods and techniques in library and information science | | | | | | |
| The main objectives of this course are to: | | | | | | |
| 1.To develop the skills on research methods with field experience | | | | | | |
| 2. Apply quantitative and qualitative measures to evaluate the research out come | | | | | | |
| 3.To evaluate the libraries services, staff and users through surveys | | | | | | |
| Expected Course Outcomes: | | | | | | |
| On the successful completion of the course, student will be able to: | | | | | | |
| 1 | To know the ways and means of selecting research topics | | | | | K1 |
| 2 | To understand the methods and techniques to adopted for library science research | | | | | K2 |
| 3 | To apply statistical tools for analysis the data | | | | | K3 |
| 4 | To discuss the research outcome through analysis and interpretation | | | | | K4 |
| 5 | To create research reports in standard format | | | | | |
| K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create | | | | | | |
| | | | PROJECT AND COMPREHENSIVE VIVA – VOCE - 100 MARKS | | | |
| | | | Total Lecture hours | | | 72 hrs. |

| Mapping with Programme Outcomes | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| CO1 | S | S | M | M | M | M | M | M | L | L |
| CO2 | S | S | S | S | S | S | S | S | M | M |
| CO3 | S | S | S | S | S | S | M | M | M | S |
| CO4 | S | S | S | S | M | M | S | S | S | S |
| CO5 | S | S | S | S | S | S | S | S | S | S |

*S-Strong; M-Medium; L-Low

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| | | | | | | |
|--|---|-----------------------|----------|----------|-----------------|----------|
| Course code | P23LS4:A | WEB TECHNOLOGY | L | T | P | C |
| Core/Elective/Supportive | Elective VI | | - | - | - | 3 |
| Pre-requisite | Students should know basic of web technology. | | | | | |
| Course Objectives: At the end of completing this course, students will have knowledge on web technology.. | | | | | | |
| The main objectives of this course are to: | | | | | | |
| 1. Explain the evolution of Internet and Web | | | | | | |
| 2. Discuss the functions and features of the Web browsers and Search Engines | | | | | | |
| 3. Differentiate the Websites based on the way they function and categorize them based on the content and the client it caters to. | | | | | | |
| Expected Course Outcomes: | | | | | | |
| On the successful completion of the course, student will be able to: | | | | | | |
| 1 | Student can understand the web technology. | | | | | K1 |
| 2 | Students can understand the web browser and services | | | | | K2 |
| 3 | Students can understand the mark-up languages and scripting languages | | | | | K3 |
| 4 | Students can understand the websites tools and techniques | | | | | K4 |
| 5 | Students can understand the different types search engines | | | | | K5 |
| K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create | | | | | | |
| Unit:1 | Web Technology – An Overview | | | | 14 hours | |
| Web Servers, Web Clients – Distributed Information System and Services – Web 2.0, Lib 2.0, Semantic Web, Cloud Computing. Use of Web Server (e.g., Microsoft IIS, Apache Web Server). | | | | | | |
| Unit:2 | Web Browsers and Services | | | | 14 hours | |
| History, Function, Features of Browsers (IE, Firefox, Chrome); Command Line Browser (e.g., CURL); Browser Developer Tool (e.g., Chrome). | | | | | | |
| Unit:3 | Mark-up Languages and Scripting Languages | | | | 14 hours | |
| Functions & Features of HTML, XML, DHTML, XHTML, CSS, JavaScript, CGI, PHP, Perl, Python or other scripting languages | | | | | | |
| Unit:4 | Websites | | | | 14 hours | |
| Tools and Techniques; Types of Websites, Web contents, Static web contents, Dynamic Web Contents – MySQL, PostgreSQL. MVC (Model, View, Control) architecture; Information Architecture. | | | | | | |
| Unit:5 | Search Engines | | | | 14 hours | |
| Types, Features, Functions, Evaluation – Search Algorithms – Security Issues – Database Connectivity. Open Source Search Engines (e.g., Lucence). | | | | | | |
| Unit:6 | Contemporary Issues | | | | 02 hours | |
| Expert Lectures, Online Seminars - Webinars | | | | | | |

**PG & RESEARCH DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE
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| | | Total Lecture hours | 72 hours |
|---|---|----------------------------|-----------------|
| Text Book(s) | | | |
| 1 | Dash, N. K., Mishra, S., Senthilnathan, S., and Misra, P. K. (2018). Block 1: Communication Technology: Basics. | | |
| 2 | Godbole , Achyut (2003). Web Technologies: TCP/IP to Internet Application Architectures. New Delhi: Tata McGraw-Hill Education | | |
| 3 | Kavanagh, M. J., and Johnson, R. D. (Eds.). (2017). Human resource information systems: Basics, applications, and future directions. Sage Publications. | | |
| Reference Books | | | |
| 1 | Kumar, R. (2017). Application of Cloud Computing Technology in Libraries. | | |
| 2 | Pedley, Paul (2001). The invisible Web: Searching the hidden parts of the Internet. London: Aslib-IMI. | | |
| 3 | White, C. M. (2016). Social media, crisis communication, and emergency management: Leveraging Web 2.0 technologies. CRC press. | | |
| Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.] | | | |
| 1 | https://developer.mozilla.org/ | | |
| 2 | https://www.coursera.org/ | | |
| 3 | http://www.freebookcentre.net/ | | |

| Mapping with Programme Outcomes | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| CO1 | S | S | M | M | M | M | M | M | L | L |
| CO2 | S | S | S | S | S | S | S | S | M | M |
| CO3 | S | S | S | M | S | S | S | M | L | S |
| CO4 | S | S | S | S | S | S | S | S | S | S |
| CO5 | S | S | S | S | S | S | S | S | S | S |

*S-Strong; M-Medium; L-Low

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| | | | | | | |
|---|--|--|----------|----------|-----------------|----------|
| Course code | P23LS4S1 | SOFT SKILLS FOR LIBRARY PROFESSIONALS | L | T | P | C |
| Core/Elective/Supportive | SEC | | - | - | - | 2 |
| Pre-requisite | Acquired knowledge on time saving techniques and developing overall Professional personality. | | | | | |
| Course Objectives: | | | | | | |
| The main objectives of this course are to: | | | | | | |
| 1.Help the Students comprehend the various facets of soft skills and different types of communication as a means to develop their professional personality | | | | | | |
| 2. Help the students develop Leadership qualities, Motivation and Professional efficiency. | | | | | | |
| 3.Help the students to develop their reporting and presentation skills | | | | | | |
| 4. Help the students to understand facets related to work culture and Time Management skill, Reading and Writing skills. | | | | | | |
| Expected Course Outcomes: | | | | | | |
| On the successful completion of the course, student will be able to: | | | | | | |
| 1 | Acquired knowledge on the basics of verbal and written communication. | | | | | K1 |
| 2 | Understood the components of Visual and Tele communication. | | | | | K2 |
| 3 | Develop Skills to use digital gadgets and internet communication | | | | | K3 |
| 4 | To analysis the applicability of various skills in library and information centers | | | | | K4 |
| 5 | Create a model of soft skills required for the best practices in libraries and information centers | | | | | K5 |
| K1 - Remember; K2 - Understand; K3 - Apply; K4 - Analyze; K5 - Evaluate; K6 - Create | | | | | | |
| Unit:1 | Soft Skills | | | | 14 hours | |
| Soft Skills: Concept and its Significance; Communication Skills: What, Why, How? Why Communication fails? How to be an Effective Communicator? Mastering the Process of Communication, Oral Communication Skills, Body Language, Optimistic Approach, Managing Conflicts, Gaining Confidence, Methods of Communication: One Way and Two Way Communication; Verbal – Modes, Oral and Written, Nonverbal Communication – Categories and Features; Formal and Informal Communication; Visual Communication, Telecommunication and Internet | | | | | | |
| Unit:2 | Listening and Speaking Skills | | | | 14 hours | |
| What, Why? Why we don't listen? How to develop our Listening Skills? Speaking - What is speaking? Accepting invitation to speak, Setting Objectives; Know your Audience, Research the Material, Planning and Writing, Use of Audiovisual aids, Delivering speech, Style of speech and improvement. | | | | | | |
| Unit:3 | Reading and Writing Skills | | | | 14 hours | |
| What is reading? Purpose of reading, Types of reading, Reading ways, 4R Method and SQ3R Method; Writing – Written Communication, Stages in Effective Writing, Styles of Writing – Choice of Words | | | | | | |

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| | | |
|---|---|-----------------|
| and Phrases, Sentence Structure and length, Paragraph Structure and Length, Principles of Paragraph, Characteristics of Good Writing and Basic tools of writing. | | |
| Unit:4 | Time Management Skills | 14 hours |
| Understanding Time Management, Time Management Principles – Identifying Time Loss, Urgency and Importance, Effective Decision Making, Setting your Goals, and Defining Your Objectives; | | |
| Unit:5 | Time Saving Techniques | 14 hours |
| Organizing your Work Space, and Communicating Effectively; Dealing with Stress – Understanding Overload, and Negotiating your Workload; Practical Time Planning – Planning your Day, Using Activity Network, Critical Path Analysis, Effective Resource Sharing and Preparing Planning Diagrams | | |
| Unit:6 | Contemporary Issues | 02 hours |
| Expert Lectures, Online Seminars - Webinars | | |
| | Total Lecture hours | 72 hours |
| Text Book(s) | | |
| 1 | Amer, Beverly. Soft Skills at Work: Technology for Career Success, Cengage Learning, 2008, pp90. | |
| 2 | Butterfield, Jeff. Written Communication: Soft Skills for Digital Work Place, Cengage Learning, 200, pp134. | |
| 3 | Rao, M.S. Soft Skills Enhancing Employability: Connecting Campus with Corporate. K. International Pvt Ltd, 2010, pp 256. | |
| Reference Books | | |
| 1 | Mitchell, Geana Watson. Essential Soft Skills for Success in the Twenty First Century Workforce as perceived by Alabama Business/marketing Educators. ProQuest, 2008, pp134 | |
| 2 | Klaus, Peggy. The Hard Truth about Soft Skills: Work Place Lessons Smart People Wish They'd Learned Sooner. Collins, 2008, pp208. | |
| Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.] | | |
| 1 | http://www.sessionlab.com | |
| 2 | www.skillconvered .com | |
| 4 | https://yptoolsbox.unescapsdd.org | |

| Mapping with Programme Outcomes | | | | | | | | | | |
|--|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|
| COs | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
| CO1 | M | S | S | S | S | M | S | M | M | S |
| CO2 | S | M | M | M | M | S | M | S | M | M |
| CO3 | S | S | M | S | S | S | M | M | M | S |
| CO4 | S | M | S | M | S | S | S | M | S | S |
| CO5 | M | S | S | S | L | S | M | S | M | M |

*S-Strong; M-Medium; L-Low