



**DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE
UNIVERSITY OF SCIENCE AND TECHNOLOGY MEGHALAYA**

Programme Outcomes (PO), Programme Specific Outcomes (PSO) and Course Outcomes (COs)

PROGRAMME OUTCOMES (PO):

PO1: Knowledge of information and communication systems, to generate awareness about legal, social & ethical aspects about the subject both in local and global perspective.

PO2: Able to familiarize with the basic concepts of computers and networks with the theoretical and practical knowledge of ICT.

PO3: Develop skills and managerial techniques in efficient handling of library operations and activities.

PO4: Identify the importance of research and practice of ethical behavior in work.

PROGRAMME SPECIFIC OUTCOMES (PSO):

PSO1: To identify basic knowledge and skills of library management and administration.

PSO2: To make aware about the importance of Information Systems & Services through Library Networks and Resource Sharing

PSO3: To offer knowledge and understanding of information users, information needs and requirements through user education

PSO4: To familiarize with the basic elements of Digital Library and its components related to adoption and implementation.

COURSE OUTCOMES (COS):

MLS 101 Foundations of Library & Information Science

CO1: The students will be able to gain the basic philosophy of Library and Information Science

- CO2:** Understand the role, types and evolution of Library as a social institution
- CO3:** Familiarize with the Contribution of Dr.S.R. Ranganathan in the field of LIS and get acquainted with the Five Laws of Library Science.
- CO4:** Familiarize with the roles and responsibilities of professional associations in LIS profession
- CO5:** Acquaint the basic concepts of information and communication systems, to create awareness about legal, political& ethical aspects such systems in the global perspective.

MLS 102 Organization of Knowledge (Theory)

- CO1:** Enables to understand the basic theories of library classification and practical implication of the classification major schemes
- CO2:** Enables to know the structure and attributes of Universe of Knowledge
- CO3:** Understand the principles and practices of document description including electronic documents,
- CO4:** Apply the fundamentals of classification schemes in organizing knowledge resources
- CO5:** Familiarize with advanced information processing techniques,
- CO6:** Develop skills in subject analysis and proficiency in using standard schemes of classification and subject cataloguing

MLS 103 Foundations of Computer & Information Technology (Theory)

- CO1:** Acquaint the students with basic concepts of computers and networks with the basic theoretical knowledge of ICT
- CO2:** Understand various aspects of library automation
- CO3:** Develop skills in using computers and communication technologies
- CO4:** Identify major issues in the development of new technology in libraries such as digital and virtual libraries and discuss their implications
- CO5:** Familiarize with the standards connected with library networking

MLS 104 Foundations of Computer& Information Technology (Practical)

- CO1:** Apply fundamentals of computer & Information technology
- CO2:** Familiarize with different operating systems,
- CO3:** Apply Photoshop techniques in LIS activities
- CO4:** Implement power-point presentations, PDF creation
- CO5:** Develop e-library and digital library.

MLS 105 Organization of Knowledge (Practical)

- CO1:** Gain knowledge and skills in Library classification and cataloguing
- CO2:** Acquaint with practical knowledge of classifying and cataloguing library documents using Dewey Decimal Classification (DDC),

CO3: Acquaint with practical knowledge of classifying and cataloguing library documents using Colon Classification

CO4: Acquaint with practical knowledge of AACR2 & SLSH

CO5: Impart the basic knowledge on technical processing of print/non print materials

MLS 201 Management of Library and Information Centre

CO1: Acquire knowledge and skills related to management for increasing the efficiency, improving performance and maintaining total quality service

CO2: Know about the major schools of management and the basic theories of management

CO3: Understand current trends and practices in management and various techniques and principles of human relations problem solving

CO4: Introduction to a variety of leadership and management styles

CO5: Develop skills to perform library operations and to evaluate library and information center performance

CO6: Use of practical management techniques to achieve organizational effectiveness and efficiency

MLS 202 Information Source & Services

CO1: Know about different categories of Reference and Information sources,

CO2: Familiarize with standard reference and information sources in print, non- print and electronic media,

CO3: Acquire skills for providing reference and information services,

CO4: Develop skills for creating information products,

CO5: Develop competence in enhancing information handling skills of users.

MLS 203 Library Systems

CO1: Familiar with different types of libraries, professional associations & organizations

CO2: Develop a concept to Library Buildings and proper planning in today's context

CO3: Know about the law and legislations relating to public library and other laws and acts

CO4: Aware of the Intellectual Property Rights and related issues

CO5: Knowledge of preservation and conservation of library materials

MLS 204 Information & Communication and Information System

CO1: Acquire conceptual knowledge about value and use of Information

CO2: Familiarize the Information communication cycle and its steps

CO3: Enable to design and develop information system new/emerging areas/disciplines,

CO4: Explore feasibility of application of Information Technology and related aspects in their implementation.

CO5: Familiarize the national and global information systems & services

MLS 205 Organization of Knowledge (Practice + Project)

- CO1:** Classification of Documents requiring common subdivisions and other auxiliaries
- CO2:** Practical knowledge of classifying library documents using DDC
- CO3:** Practical knowledge of classifying library documents using UDC,
- CO4:** Prepare customized library and information services doing a documentation project
- CO5:** Exposure to Library functioning by observation and interaction by library visit

MLS 301 Information Retrieval

- CO1:** Provide in-depth knowledge of Information Retrieval
- CO2:** Familiarize with different tools, Vocabulary Control and its practical usage in information handling and dissemination
- CO3:** Acquaint with different information retrieval models,
- CO4:** Provide in-depth knowledge on Automatic Information Retrieval
- CO5:** Knowledge about search strategies, Academic Databases.

MLS 302(A) Marketing of Library and Information Products and Services

- CO1:** Acquire knowledge and concept of information in the context of global scenario, concept of marketing and particularly marketing of information products and services.
- CO2:** Knowledge of marketing of Information in the context of LIS.
- CO3:** Understand about product development phases.
- CO4:** Familiarize the students with the Factors influencing prices, techniques of pricing.
- CO5:** Knowledge on Market research, strategic marketing and new technology based marketing

MLS 302(B) Preservation and Conservation of Library Materials

- CO1:** Familiarize with the basic concepts of preservation and conservation
- CO2:** Acquaint with different types of writing materials.
- CO3:** Aware of the different types of agents and factors of deterioration of library materials.
- CO4:** Knowledge and understanding of the control and remedial measures of preservation and conservation.
- CO5:** Basic concepts of binding materials and process

MLS 302 (C) Information Science and Knowledge Management

- CO1:** Understand and knowledge of information & information communication
- CO2:** Insight of the core elements of information science as an interdisciplinary field of studies
- CO3:** Basic knowledge and understanding of Systems Theory, MIS etc.
- CO4:** Understand information and its relationship with society

MLS 303 Research Methodology

- CO1:** Understand and articulate the role and importance of research in Library and Information Science.
- CO2:** Introduce the different methods and techniques of research.
- CO3:** Familiarize in the use of statistical tools and techniques.
- CO4:** Develop data presentation skills, to identify and discuss ethical issues related to Research.
- CO5:** Acquaint with components of research report & to familiarize with different citation styles like APA, MLA, etc.

MLS 304 Bibliometrics Studies and Job Diary and Library Visit Report

- CO1:** Knowledge of different methods to quantitatively analyze scientific and technological literature
- CO2:** Familiar with commonly used Bibliometrics methods, Wide applications in the field of library and information Science.
- CO3:** Familiar with Bibliometrics Laws.
- CO4:** Familiarize with Citation Index and Citation Analysis.
- CO5:** Familiar with housekeeping operations by involving in Job Diaries.

MLS 305 Web Technologies (Theory and Practical)

- CO1:** Understand history and basic concepts of web technologies
- CO2:** Know commonly used software packages for web designing.
- CO3:** Know content management system.
- CO4:** Identity basic knowledge and skills of actual Library Website Designing
- CO5:** Impart Basic knowledge on RSS Feeds, Wikis and Social networking
- CO6:** Basic knowledge and skills of actual Library Website Designing.
- CO7:** Impart Basic knowledge on RSS Feeds, Wikis and Social networking.

MLS 306 (MDC) Intellectual Property Rights and Knowledge Based Society

- CO1:** Familiarize the students with the basic concepts of IPR
- CO2:** Familiarize emerging Knowledge Society, Digital Libraries and their implications
- CO3:** Aware about the concept of Information Systems & Networks, Resource Sharing.
- CO4:** Explore feasibility of application of ICT in general and Web technologies in particular for information organization and access.

MLS 401(A) Library System Analysis and Library and Users

- CO1:** Identify interacting entities, including computer systems analysis and library as a system.
- CO2:** Identify different tools and techniques of analysis.
- CO3:** Knowledge of information repackaging, information analysis etc.
- CO4:** Familiarize the students with structured analysis tools like DFD, PERT etc.

MLS 401(B) Research and Technical Library and Information System

- CO1:** Learn the history and development of libraries with special reference to India role of special libraries and its relationship with parent organization.
- CO2:** Familiar with Periodicals, Conference Literature, Grey Literature, Patents, Standards, Specifications and Government Publications.
- CO3:** Acquainted with organizational structure, staff manual, library surveys, statistics and standards.
- CO4:** Advanced understanding of CA, SDI, abstracting and indexing services
- CO5:** Knowledge and understanding of Finance, Sources of Finance, Types of Budget, Nature, Size, Selection, Recruitment, Qualification and Training etc.

MLS 401(C) Librarianship in Digital Environment

- CO1:** Familiarize with the basic concepts of Human Computer Interaction, Information Architecture and Database Designs and Applications.
- CO2:** Manage information resources and the information life-cycle through the processes of collection development, representation, organization, preservation, curation, access, and dissemination in accordance with physical, virtual, and technical infrastructure and needs.
- CO3:** Know the emerging technologies like Enterprise Technologies, Radio Frequency Identification Technologies in LIS.
- CO4:** Perform and assess research-based practices through the application of information literacy, inquiry, and research methods including data discovery, analytics and qualitative measures.
- CO5:** Understand information literacy and application of social networking websites in the academic world.

MLS 402 Library Automation & Networking

- CO1:** Understand Library Automation & Networking focusing on the core technologies and aspects.
- CO2:** Knowledge of network, switched network.
- CO3:** Knowledge about different switching technology, accessing and architecture of Internet.
- CO4:** Familiarize with the basic elements of Digital Library and its structure.
- CO5:** Aware students from content creation and its management & knowledge of consortia.

MLS 403 Library Software Packages (Theory)

- CO1:** Understand and get familiar with applications of Computer and Information Technology in Library and Information Centers.
- CO2:** Basic concepts of library software packages
- CO3:** Acquaint the students with to give basic concepts on open source library software.

CO4: Familiar with software used in Indian libraries and online academic and scholarly databases.

CO5: Basic understanding of online publications, e-publications etc.

MLS 404 Library Software Packages (Practical)

CO1: Have knowledge on library software packages like CDS/ISIS, SOUL etc.

CO2: Understand the concept of E – Granthalaya software

CO3: Hands on development of Digital Library /Institutional Repository

CO4: Hands on Planning and Adoption of Open Source Software

CO5: Use and manage of open source software like KOHA, NewGenLib etc.

MLS 405 Dissertation

CO1: Familiarize the students with the steps of a research activity and analysis of data.

CO2: Equip with practical knowledge and technical steps to carry out a research project.

MLS 406 (MDC) Intellectual Property Rights & Information Systems

CO1: Aware about for the promotion and protection of intellectual property rights through best practices

CO2: Generate and shares data creation and information dissemination to build up knowledge based society

CO3: Identify the value added process in information systems and strategies required to boast effective management.

CO4: Promote the concept of digital content and uses of various digital applications and media for relevant retrieval process.

CO5: Emphasize the importance and role of library networking platforms in national and global perspective.

HVP-740 Human Values and Professional Ethics

CO1: Critically understand ethical issues as they pertain to professional and personal identity in diverse professional settings.

CO2: Learn to consider oneself and the world around from these basic ethical positions.

CO3: Develop sharpened analytical capabilities in order to develop and maintain a good interpersonal relationship in both professional and social space.