Kannur University

Department of Library and Information Science

Multi-Disciplinary Course (MDC)

(FYUGP-2024)

Syllabus

Semester I

KU01MDCLIB101
Information Resources and Learning Platforms

Semester 2

KU02MDCLIB102
Digital Librarianship

Programme Specific Outcomes (PSO)

PSO-1 Identify, select, and provide access to information in a variety of format

PSO-2 Identify the needs of particular user groups and develop collections, services, programs, and policies to meet these needs

PSO-3 Apply a wide range of electronic resources and techniques for effective information retrieval

PSO-4 Analyze relevant information resources and published research to form valid and well-grounded conclusions

PSO-5 Apply appropriate research methodologies to issues and professional concerns in LIS

PSO-6 Conceptualize, employ, evaluate, and utilize appropriate technologies in library and information-related applications

PSO-7 Awareness of contemporary issues in the information workplace, a commitment to professional values, standards, and ethics.

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KU01MDCLIB101

Information Resources and Learning Platforms

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Semester	Course Type	Course Level	Course Code	Credits	Total Hours
1	MDC	100-199	**KU01MDCLIB101**	3	45

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	Practical	Tutorial	CE	ESE	Total	
45 Hours	-	-	25	50	75	3

Course Description

This course will help you to acquire knowledge and enhance the use of information resources and learning tools and platforms for various learning situations, and opening up career opportunities in Library and Information Science. It will help to explore Information, Knowledge, and Society. Learn about the characteristics of data, information, knowledge, wisdom, and the knowledge economy. Understand the information transfer cycle and the role of libraries in it. It will also enable them to evaluate information resources, including combating misinformation and utilizing e-learning platforms.

Course Prerequisites: NIL

Course Outcomes

Upon completion of the course, the graduate will be able to:

CO No.	Expected Outcome	Learning Domains
CO-1	Gain insight into the role of data, information, knowledge, and wisdom in shaping modern societies and economies.	U
CO-2	Distinguish between primary, secondary, and tertiary information sources, employing various references, databases, and digital tools for academic research	An
CO-3	Critically evaluate information, discerning and addressing misinformation, disinformation, and fake news through fact-checking	E
CO-4	Explore e-learning avenues such as e-journals, e-books, and digital libraries, while understanding the significance of MOOCs and institutional repositories	A
CO-5	Acquire practical proficiency in leveraging digital resources for academic pursuit and research.	C

*Remember (R), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C)

Mapping of Course Outcomes to PSOsMapping

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	✓						
CO2		✓					
CO3				✓			
CO4			✓				
CO5				✓			

Syllabus

Module 1: Information, Knowledge and Society

1.1 Information: Characteristics; Data, Information, Knowledge, Wisdom; Knowledge Society, Knowledge Economy.

1.2 Data in the contemporary society: Big data, Open data, Open Access, Open Science.

1.3 Information Transfer Cycle: Generation, Storage and Management of Information.

1.4 Information explosion: Need for Knowledge Organization; Role of different types of libraries.

Module 2: Information Resources

2.1 Documentary Sources: Primary, Secondary and Tertiary sources.

2.2 Reference Sources: Dictionary, Thesaurus, Encyclopedia, Yearbooks, Biographical, Geographical and Statistical Sources.

2.3 E-resources: Ebooks, E-journals, Databases, ETDs, Ezines; Subject gateways.

2.4 Evaluation of Information Sources: Criteria; Mis-Information, Dis-information; Fake news identification and precautions; Fact checking in media.

Module 3: E Learning Platforms

3.1 Learning Management Systems: Moodle

3.2 E-Learning platforms: SWAYAM, NPTEL, Coursera, EDX, e-PG Pathshala.

3.3 Digital Libraries, Institutional Repositories – Scopus, Web of Science, Science Direct, J-Stor, PubMed, Shodhganga, Shodhgangothri, National Digital Library of India.

3.4 AI tools for Academic pursuit: AI Tools in information Search, Information Management, and Learning.

Assessment Rubrics:

Evaluation Type	Marks	
End Semester Evaluation	50	
Continuous Evaluation	25	
Test Paper 1	10	
Test Paper 2	10	
Assignment/ Seminar/ Viva	5	
TOTAL	**75**	

Learning Resources

Aberdour, M. (2013). Moodle for Mobile Learning. Packet Publishing.

Bawden, D., & Robinson, L. (2022). Introduction to Information Science. Facet Publishing.

Chandra, A., &Khanijo, M. (2024). Knowledge Economy: The Indian Challenge.

Evans, W., &Baker, D. (2011). Libraries and Society: Role, Responsibility and Future in an Age of Change. Elsevier Science.

Gupta, P. K., & Das, T. (2010). Modern Trends in Library and Information Science. Scientific Publishers.

Holmes, B., & Gardner, J. (2024). e-Learning: Concepts and Practice.

Kaushik, A. (2018). Library and Information Science in the Age of MOOCs. IGI Global.

Secker, J. (2004). Electronic Resources in the Virtual Learning Environment: A Guide forLibrarians. Elsevier Science.

Steels, L., & Tokoro, M. (Eds.). (2003). Future of learning: Issues and prospects. IOSPress, Incorporated.

NMEICT National Mission on Education through Information and Communication Technology

MODEL QUESTION PAPER
KU01MDCLIB101: Information Resources and Learning Platforms

Time : 3 hrs   Maximum Marks : 50

PART A (Answer any Five Questions each question carries 3 marks)

1. What is information?
2. Define Knowledge society
3. What is primary source of information?
4. What is misinformation?
5. List out 3 important e-learning platforms
6. What is shodhganga?

(5 x 3 = 15)

PART B (Answer any Three Question. Each question carries 5 marks)

7. Differentiate between data, information and knowledge
8. Discuss the channels involves information transfer cycle
9. Differentiate between Dictionaries and Encyclopedia
10. Discuss the features of MOODLE
11. What is the role of AI Tools in information search

(3 x 5 = 15)

PART C (Answer any Two Question. Each question carries 10 marks)

12. What is reference source discuss various types of reference course found in a University/College Library

13. Discuss the need for evaluating information sources. List out the different criteria used for evaluation of information sources

14. Discuss the features of National Digital Library of India

15. What are e-resources? Discuss the important types of e-resources available on internet

(2 x 10 = 20)

Employability for the Course
For those aspiring to pursue a career in Libraries, the study of Library and Information science programme will be highly beneficial.
This will help the students to have amble opportunities in various Libraries across the country and abroad.

Semester 2

Digital Librarianship
(3 Credits)
KU02MDCLIB102
Information Resources and Learning Platforms

Semester	Course Type	Course Level	Course Code	Credits	Total Hours
2	MDC	200-299	**KU02MDCLIB102**	3	45

Learning Approach (Hours/ Week)			Marks Distribution			Duration of ESE (Hours)
Lecture	*Practical*	*Tutorial*	*CE*	*ESE*	*Total*	
45 Hours	-	-	25	50	75	3

Course Summary

Explore library management fundamentals, digital preservation, and research support in the Digital Librarianship course. Acquire knowledge in library automation, digital library design, and information organization. Additionally, familiarize yourself with essential software tools like D-Space, KOHA, Zotero, etc. to enhance skills in collection curation and research assistance, paving the way for diverse career paths.

Course Outcomes

Upon completion of the course, the graduate will be able to:

CO No.	Expected Outcome	Learning Domains
CO-1	Attain a basic understanding of digital libraries their design, and organization.	U
CO-2	Apply principles of digital library creation, including digitization and metadata development.	A
CO-3	Implement digital preservation and conservation techniques for digital content.	A
CO-4	Utilize digital library software, particularly D-Space, for managing digital collections	A
CO-5	Develop academic content effectively, including assignments, articles, and project; proposals, using appropriate referencing styles and software like Zotero.	A

*Remember (R), Understand (U), Apply (A), Analyse (An), Evaluate (E), Create (C)

Course Prerequisite: NIL

Mapping of Course Outcomes to PSOs Mapping

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1			✓				
CO2						✓	
CO3							✓
CO4				✓			
CO5					✓		

Syllabus

Module 1: Library Automation Fundamentals

1.1 Libraries and their role in knowledge Organization
1.2 Library Automation: Automated Library housekeeping operations; Automated Information Services.
1.3 Digital Libraries: Definition, Scope and Characteristics.
1.4 Design and organization of digital libraries: Architecture, Interoperability, Compatibility, User interfaces, Protocols and Standards.

Module 2: Development of Digital Libraries

2.1 Pre- requisites: Content development - Digitalization – Scanning, OCR and Conversion to PDF.

2.2 Metadata development: Digital Preservation and Conservation - Archiving, Security, Preservation and Migration issues.

2.3 Ethical Issues: Rights Management.

2.4 Digital Library Software: Greenstone Digital Library Software

Module 3: Software for Libraries

3.1 Library Automation Software: Koha

3.2 Institutional Repository Software: DSpace

3.3 Reference Management Software: Zotero

3.4 Plagiarism Checking Software: Turnitin/ Ouriginal/ DrillBit

Assessment Rubrics:

Evaluation Type	Marks	
End Semester Evaluation	50	
Continuous Evaluation	25	
Test Paper 1	10	
Test Paper 2	10	
Assignment/ Seminar/ Viva	5	
TOTAL	**75**	

Learning Resources

Aberdour, M. (2013). Moodle for Mobile Learning. Packet Publishing.

Chindrupananda (2006). Making sense of Library Automation. Meteor.

Mackenzie, A., & Martin, L. (2016). Developing Digital Scholarship: Emerging practices in academic libraries. Facet Publishing.

Misra, Vinod Kumar (2016). Basics of Library Automation. Ess Ess.

Naik, P. G., & Naik, G. R. (n.d.). Creating and Managing Institutional Repository Using DSpace: A Case Study Approach. Edu-creation Publishing.

Puckett, J (2011). Zotero: A guide for librarians, researchers and educators. Assoc. of Cllge & Rsrch Libr.

Rajasekharan, K (2010). Digital Library basics: A practical manual. Ess Ess.

Ravindran Asari, K (2009). IT for librarians. International publishing house.

Sharma, A. K. (2019). Koha for Beginners. Willford Press.

Witten and Bridge (2005). How to build a digital library. Morgan Kaufman.

MODEL QUESTION PAPER

KU02MDCLIB102: Digital Librarianship

Time : 3 hrs   Maximum Marks : 50

PART A (Answer any Five Questions each question carries 3 marks)

1. What is Knowledge organization
2. What are the characteristic of a digital Library
3. What is digitalization
4. What is meta data
5. What is plagiarism

6. What is Library automation

<div align="right">(5 x 3 = 15)</div>

PART B (Answer any Three Questions each question carries 5 marks)

7. What is the important of reference management software in publishing
8. Discuss about archiving and security issues in Digital Library
9. Discuss the user interfaces needed in a digital Library
10. What are the different types of contents available in a digital library at a college
11. Discuss the features of Turnitin.

<div align="right">(3 x 5 = 15)</div>

PART C (Answer any Two Question. Each question carries 10 marks)

12. What is library automation? Discuss the important housekeeping operations to be automated in a college library

13. Discuss the pre requisites for the development of digital libraries in a university

14. Discuss the features of Greenstone digital library software

15. Discuss the features of Koha as an integrated library management software.

<div align="right">(2 x 10 = 20)</div>

Employability for the Course

For those aspiring to pursue a career in Libraries, the study of Library and Information science programme will be highly beneficial.

This will help the students to have amble opportunities in various Libraries across the country and abroad.