

**KANNUR UNIVERSITY
FYUGP
MULTI-DISCIPLINARY COURSE**

**SEMESTER 2
DIGITAL LIBRARIANSHIP
(3 Credits)**

Module 1: Library Automation Fundamentals

1.1 Libraries and their role in knowledge organization

Library – Information - Knowledge organization - Classification, Cataloguing, Metadata, DOI. (3 hours)

1.2 Library Automation

Automated library housekeeping operations – Automated information services. (3 hours)

1.3 Digital Libraries

Definition – Scope - Characteristics of digital library (2 hours)

1.4 Components of Digital libraries

User interface – Protocols and standards – Collection development and organization (3 hours)
(Total 11 hours)

Module 2: Development of Digital Libraries

2.1 Pre- requisites

Content development - Digitalization – Scanning, OCR and File formats (3 hours)

2.2 Metadata development

Digital Preservation and Conservation - Archiving, Security, Preservation and Migration issues. (3 hours)

2.3 Ethical Issues

Managing copyright, Licensing permissions, Data privacy, Equitable access. (2 hours)

2.4 Digital Library Software

Greenstone Digital Library Software (2 hours)

(Total 10 hours)

Module 3: Software for Libraries

3.1 Library Automation Software

Koha (3 hours)

3.2 Institutional Repository Software

D Space (3 hours)

3.3 Reference Management Software

Zotero 3 hours)

3.4 Plagiarism Checking Software

Drill Bit (3 hours)

(Total 12 hours)

Module 4: Emerging Technologies for Libraries

4.1 Artificial Intelligence

AI in library works and services (3 hours)

4.2 Robotics

Robotics technology used in library operations and services (3 hours)

4.3 Block Chain technology

Applications of Block chain technologies used in libraries (3 hours)

4.4 Cloud technology and IoT

Cloud technology and IoT applications in libraries (3 hours)

(Total 12 hours)

Grand Total 45 hours