

Maharaja Bir Bikram University Agartala



Post Graduate Diploma in Library Automation and Networking (PGDLAN)

(1 YEAR: 2 SEMESTERS) (CBCS BASED PROGRAMME)
[w.e.f. 2021-2022]

Post Graduate Diploma in Library Automation and Networking (PGDLAN)

About PGDLAN

The Post Graduate Diploma in Library Automation and Networking (PGDLAN) aims at developing the professional competencies of the library and information professionals in an automated and networked environment. The programme also provides opportunities for in-depth or intensive practical training to enhance technological skills of the learners to independently develop or manage a computerized library and information centre.

Aims of the Programme

The main aims of the Programme are:

- To prepare students in the application of ICT for selection, organization and preservation of knowledge for use.
- To bring out the competent human resource to promote access to the traditional and socially useful knowledge by the process of digitization
- To involve in capacity building activities to create a development oriented, people friendly learning support system
- To equip the candidate in various operations of the Library Automation and Networking;
- To enables the candidates to get hands-on-experience in Library Automation environment and networking.

Eligibility:

- Bachelor of Library and Information Science (BLISc) or Masters of Library and Information Science (MLISc) from any recognized university.
- Preference will be given to candidates with relevant work experience.

Minimum Duration: 1 Year (2 Semesters)

Selection Procedure:

The selection for admission to programme will be made on the basis of academic record and professional experience of the candidates (9:1 ratio).

Course Structure:

Semester	Course Name	Credits	Total Credits
I	LAN-101 Library Automation and Networking	4	12
	LAN-102 Library Automation: ILMS (Practical)	4	
	LAN-103 Web Technology (Practical)	4	
II	LAN-201 Digital Library (Theory)	4	12
	LAN-202 Digital Library (Practical)	4	
	LAN-203 Dissertation/ Project Work	4	

1 Credit= 1 hour

LAN-101: Library Automation and Networking

Objectives of the Course:

- To enable the student to understand the basic and advance level of automation technique.
- It provides knowledge to build automated library system.
- It also provides a clear picture about simple and advance search technique.

Course content:

Unit 1

Library Automation: Concepts, Advantages and Disadvantages

Library Automation Software: Commercial and Open Source (LINUX basic)

Unit 2

Steps in Automation: Planning and Implementation and Techniques,

Automatic Identification Methods: Barcode, RFID

Unit 3

Network Architecture, Types of Networking,

Library Networking- Types and technique

Unit 4:

Search Engines and Meta Search Engines

Content Management/ Content Creation for Web.

Method of Teaching:

Lectures, Brainstorming Sessions, Practical Sessions, Case Studies, etc.

Method of Assessment and Weightage:

Assignment (10%), Internal Exam (20%) Final Exam (70%)

Recommended Readings

1. Grewal, Gagandeep. (2004). *Handbook of Library Security*. New Delhi : Dominant.
2. Haravu, L J. (2004). *Library automation design, principles and practice*. New Delhi: Allied Publishers.
3. Pandey, S. K. (2000). *Organisation of Library Automation*. New Delhi : Anmol Publications.
4. Reddy, Satyanarayana. (2001). *Automated Management of Library Collections*. New Delhi : Ess Ess.
5. Siwatch, Ajit S. et al. (2006). *Approaches to Modern Librarianship*. Delhi : Sanjay.
6. Cohn, John M, Kelsey, Ann L. & Fiels, Keith Michael (1998). *Planning for library automation: A Practical Handbook* . London : Library Association,.
7. Andrew S. Tanenbanum (1997), *Computer Networks (3rd ed.)*.New Delhi : Prentice-Hall of India,
8. Cooper, Michael D. (1996). *Design of Library Automation System: File Structure, Data Structures and Tools*. New York: John Wiley.
9. Satyanarayana, N. R. (1995). *A manual of computerization of libraries*. New Delhi: Viswa Prakashan.
10. Alan Poulter, Debgra Hiom & Gwyneth Tseng (2000). *The Library and Information Professional's Guide to the Internet(3rd Ed)*. London : Facet Publishing.

LAN-102
Library Automation: ILMS
(Practical)

Objectives of the Course:

- To enable the student to understand the basic and advance level of automation technique.
- It provides knowledge to build Integrated Library Management Software.

Course content:

Integrated Library Management Software: Installation, Configuration and Application of various Modules of Integrated Library Management Software such as Koha and/ or SOUL.
(Observation and hand on experience)

Preparation of Barcode and QR Code.

Method of Teaching:

Lectures, Brainstorming Sessions, Practical Sessions, etc.

Method of Assessment and Weightage:

Assignment (10%), Internal Exam (20%) Final Exam (70%)

Recommended Readings

1. Chidrupananda, Swami. (2006). *Making Sense of Library Automation: A Hands on Guide*. Kolkata : Meteor.
2. Grewal, Gagandeep. (2004). *Handbook of Library Security*. New Delhi : Dominant.
3. Haravu, L J(2004). *Library automation design, principles and practice*. Allied Publishers, New Delhi.
4. INFLIBNET. *Software for university libraries user manual*. 2003. INFLIBNET, Ahmedabad.
5. Reddy, Satyanarayana. (2001). *Automated Management of Library Collections*. New Delhi : Ess Ess.
6. Sujatha, G. (1999). *Resource Sharing and Networking of University Libraries*. New Delhi : Ess Ess

LAN-103

Web Technology

(Practical)

Objectives of the Course:

- To enable the student to hand on practices to build web designing.
- It also provides a hand on practices to develop content management software.

Course content:

Developing the library website by using any open source software HTML/ CSS- JavaScript.
Preparation of the Content Management System with Durpal and/ or Wordpass and/ or Joomla
(Observation and hand on experience)

Method of Teaching:

Lectures, Brainstorming Sessions, Practical Sessions.

Method of Assessment and Weightage: (50% Theory and 50% Practical)

Assignment (10%), Internal Exam (20%) Final Exam (70%)

Recommended Readings

1. Chidrupananda, Swami. (2006). *Making Sense of Library Automation: A Hands on Guide.* Kolkata : Meteor.
2. Grewal, Gagandeep. (2004). *Handbook of Library Security.* New Delhi : Dominant.
3. Haravu, L J(2004). *Library automation design, principles and practice.* Allied Publishers, New Delhi.
4. INFLIBNET. *Software for university libraries user manual.* 2003. INFLIBNET, Ahmedabad.
5. Reddy, Satyanarayana. (2001). *Automated Management of Library Collections.* New Delhi : Ess Ess.
6. Sujatha, G. (1999). *Resource Sharing and Networking of University Libraries.* New Delhi : Ess Ess

LAN-201

Digital Library (Theory)

Objectives of the Course:

- To enable the student to understand the concept of digital library.
- It provides information related to different digital library software.
- After finishing this course, student will be able to build the digital library of their own.

Course content:

Unit- 1

Digitization process: steps and tools

Digital Library Management Software Selection process and features

Unit 2:

Institutional Repository: Concepts and Setup

Institutional Repositories Vs Digital Library

Unit 3:

Greenstone: Feature, Hardware requirements, Installation

D-space: Feature, Hardware requirements, Installation

Unit 4:

Content management and Digital Preservation

Copyright, Metadata Harvesting and Access

Method of Teaching:

Lectures, Brainstorming Sessions.

Method of Assessment and Weightage:

Assignment (10%), Internal Exam (20%) Final Exam (70%)

Recommended Readings

Bishop, A. P. et al. (eds.). (2005). Digital Library Use: Social Practice in Design and Evaluation. Delhi : Ane Books.

Chowdhury, G. G. & Chowdhury, Sudatta. (2003). Introduction to Digital Libraries. London : Facet Publishing.

Deegan, Marilyn & Tanner, S. (2006). Digital Preservation. London : Facet Publishing.

Jones, Richard et al. (2006). The Institutional Repository. Oxford : Chandos Publishing.

Judith, Andrews & Derek, Law (2004). Digital Libraries. Hants : Ashgate.

Krishan Gopal. (2005). Intellectual Freedom in Digital Libraries. Delhi : Authors Press.

Lakshmi, Vijay & Jindal, S. C. (eds.) (2004). Digital Libraries. Delhi : Isha Books.

Pandey, V. C. (2004). Digital Technologies and Teaching Strategies. Delhi : Isha Books.

Rajagopalan, A. (2006). Library of the Digital Age: Issues and Challenges. Delhi : SBS Publishers.

LAN-202
Digital Library
(Practical)

Objectives of the Course:

- *To enable the student to understand the basic of Digital Library.*
- *It provides knowledge for developing Digital library.*

Course content:

Digital Library Software: Installation, Configuration, Setup, policy, copyright etc. with D-Space.
Building of Institutional Repository.
(Observation and hand on experience)

Method of Teaching:

Lectures, Brainstorming Sessions, Case Studies, etc.

Method of Assessment and Weightage:

Assignment (10%), Internal Exam (20%) Final Exam (70%)

Recommended Readings

1. Allan, Barbara (2002). *E-learning and teaching in library and information services*. London: Facet Publishing.
2. Brindley, L. (1998). Ed. *The electronic Campus*. London, British Library Dearnley, James and Society, London: Facet publishing, 2001.
3. Feather, RT (2013). *DRM: A study of continuity and change*. London: Concept Publishing
4. Chowdhury, G.G. (2003). *Introduction to Digital Libraries*. London: Facet Publishing,
5. Rowley, J.E. (1998).. *The Electronic Library of Computers for Libraries (4th Ed)*. London: Facet Publishing,
6. Bhattacharjee, Sucheta, Bhattacharjee, Sudeep, & Sinha, Manoj Kumar. *Usage of E-resources under N-LIST Programme : Concept, Needs and Case study*. LAP : Lambert Academic Publishing.

LAN-203

Dissertation/ Project Work

Objectives of the Course:

To enable the student to carry research work.

It will motivate them to conduct research study further.

Course Content:

Every student shall have to choose a topic for the dissertation/ Project Work in the beginning of the second semester and preliminary preparation carried out under the guidance of faculty member of the department. This work should be in standard format.

The final prepared dissertation/ Project Work to be submitted to the department/university before issuing admit card of the second semester of this programme. Dissertations will be evaluated by Concerned Supervisor and One External Examiners (if any) jointly which will followed by a Viva-Voice.

Method of Assessment and Weightage:

Presentation of Progress (20%) Viva-voca (10%) report evaluation (70%)