ACHARYA NAGARJUNA UNIVERSITY

CENTRE FOR DISTANCE EDUCATION

NAGARJUNA NAGAR,

GUNTUR

ANDHRA PRADESH

PROGRAM PROJECT REPORT

141. MASTER OF LIBRARY & INFORMATION SCIENCES

Master of Library & Information Sciences

PROGRAMME CODE: 141

MISSION: This program provide a meaningful educational experience that meets current and emerging library, information and technology needs, and prepares students for productive roles in a variety of continually evolving information environments, or to continue their education at four-year institutions. prepares students for inspired service, advocacy, and leadership in library and information science, archives, computer science, and children's and young adult literature.

OBJECTIVES :

- To provide a teaching and learning environment in LIS that ensures quality of staff and students that are competitive in the changing information management environment;
- To promote staff and students research and technology innovations in library and information management;
- To mentor staff and students in LIS with a purpose of preparing them for employment in the ever changing public and private sector information environment.
- To promote transfer of library and information management best practices to private and public sector;
- To facilitate LIS academic work in the real life information management sector

RELEVANCE: The Master of Library & Information Sciences programme offered through Open and Distance Learning mode is purely relevant and aligned with the goals and mission of CDE, ANU. The library services have undergone a phenomenal transformation with the advent of ICT applications. Conventional libraries have become digital libraries hence integration of information technology with library science have opened up many job avenues to the learners of this course.

NATURE OF PERSPECTIVE TARGET GROUP OF LEARNERS: Aim of open and distance eduation is to enhance the academic competence in those who were deprived of higher education for various socio-economic reasons. This programme is designed for candidates to provide quality education at affordable cost to larger sections of population by facilitating the reach of education to the doorsteps of people living in remote and far-flung areas. This program is useful for career advancement, improving skills, upgrading the qualification, add on course etc. The main target group of learners of this program include BLIS Students of the weaker sections of the society and of rural background for higher education in Library & Information Science who are unable to pay fee charged by private institutes.
BLIS Students seeking for higher level job opportunities BLIS trained persons working in the field of Library & Information Science and having interest in development of knowledge and skills in the field of library & information science and getting higher education.

SKILLS AND COMPETENCE OF THE PROGRAMME: Inconsideration of the huge gap in education and industry and also in skill development now it is imperative on the part of every university to reach out every nooc and corner of the country where the institutions with significant infrastructure are not availble in order to elevate the status of the marginalised sections of the society especcially living in rural areas of the country. The only solution appears to be "open and distance education" and Acharya Nagarjuna University takes initiative by reaching out those unreached by ICT enabled blended mode of distance learning programmes. MLISc. propgramme is an innovative programme. The learning outcomes of this programme are as follows:

- Professional development of teachers.
- Incorporating generic transferrable skills and competencies
- To develop critical learning, anylitical skills and research skills.

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

(Program code: 141)

Program Structure

Programme Code	Programme		Internal Assessment	External Exams	Max. Marks	Credits
SEMESTER - I						
101ML21	Information & Communication		30	70	100	4
102ML21	Information Management		30	70	100	4
103ML21	Information Processing Retrieval (Theory)		30	70	100	4
104ML21	Information Technology: Theory		30	70	100	4
SEMESTER - II						
201ML21	Library Automation		30	70	100	4
202ML21	Digital Libraries		30	70	100	4
203ML21	Research Methodology		30	70	100	4
204ML21	Academic Libraries		30	70	100	4
205ML21	Information Technology	Practical	-	-	100	4
		Comprehensive Viva-Voce	-	-	100	4

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

SEMESTER - I

101ML21 - INFORMATION & COMMUNICATION

Objectives:

1. To introduce the students to the role of information and knowledge in the society
2. To acquaint the students with various theories, channels of & barriers to communication and types of libraries and their functions
3. To provide an overview of the Information Acts
4. To make the students to understand the Information Policies.

Unit: I

Information - Characteristics, Nature, Value and Utility – Conceptual differences between Data, Information and Knowledge – Information Growth and Generation; Information Transfer Cycles.

Unit: II

Communication – Concept – Theories, Models –Channels of Communication - Barriers to Communication.

Unit: III

Information Society genesis - Characteristics and Implications of Information Society – Information Literacy- Concept, Models and Standards – Knowledge Society – Changing role of Library Information Centers in Society.

Unit: IV

Information Acts – Right to Information - Intellectual Property Rights - Copy Right Act, Information Technology Act.

Unit: V

National Information Policy -Objectives, Issues and Procedures – National Knowledge Communication (NKC), NAPLIS, Universal Availability Publications (UAP)

Books for study and reference:

1. Agarwal, S.N. Perspectives in Library and Information Science Vol.I and II. Lucknow, Print House, 1982.
2. Balakrishnan, Shyama & Paliwal, P.K.Eds. Libraries in Information Age. Delhi, Anmol, 2001
3. Chapman (E A) and Lynden (F C). Advances in Librarianship. 24V. San Diego Academic Press, 2000.
4. Devarajan, G. (Ed). 50 years of Indian Librarianship. Delhi, Ess Ess Pub., 1999
5. Feather, John. The Information Society. 2nd Ed. London, Lib. Assoc, 1998
6. Guha B (ED). In the Library and Information Science horizon. New Delhi, Allied pub, 1984.
7. Gupta, B.M. et al, Eds: Handbook of Libraries, Archives and Information Centers in India, Vols.1, 2 & 3, New Delhi, Information Industry Publications, 1986.

8. Khan, M.A. Principles and perspectives of copyrights. New Delhi: Sarup & Sons, 1996.
9. Khanna, J.K.: Library and Society, Kurukshetra, Research Publicagions, 1987.
10. Kumar, P.S.G. Foundations of Library and Information Science. Delhi, B.R.Pub., 2003
11. Kumar, P.S.G. Fundamentals of Information Science. New Delhi, S.Chand, 1998
12. Kumar, P.S.G. Information and Communication (Paper IX of UGC Model Curriculum). Delhi, B.R.Pub., 2003
13. National Knowledge Commission,India. Libraries- Gateways to Knowledge. Delhi, NKC, 2007
14. Prashar, R.G.: Information and Its Communication, New Delhi, Medallion Press, 1991.
15. Raja Rammohan Roy Library Foundation and ILA: National Policy on Library & Information Systems, Calcutta, RRRLF, 1985
16. Ranganathan, S.R.: Five Laws of Library Science. Delhi, 1957.
17. Routh,R.K. : Indian Library Legislation. N.Delhi, Ess Ess Pub., 1991.
18. Satarkar, S.P. Intellectual Property Rights & Copyright. Delhi, Ess Ess Pub. 2003
19. Sengar, Shailendra. Library and Information Science. New Delhi, Anmol Pubs.,2007
20. Sharma, Jaideep and Kishan Kumar. Library Science Education in India, Delhi, Har-anand Publications , 2009
21. Sharma,Pandey, S.K. : Development of Public Libraries in India. New Delhi, Ess Ess Pub., 1985
22. Smith, Kelvin. Freedom of information. London, Facet, 2004.
23. Vashishth, C.P & Satija, M.P. (Dr. P.S.G. Kumar Festschrift) Library and Information Profession in India. Vol. 1 Part I & Part II Reflections and Redemptions. (Vol.1, 2 parts).Delhi, B.R.Pub.,2004
24. Venkatappaiah,V.: Indian Library Legislation.2 Vols. New Delhi, Daya Publishing House, 1990.
25. Vijaya Kumar,.J. Public Library System.New Delhi, Anmol pub .2010. ISBN :978 81 261 4192 0 .
26. Maxine. Collaboration in Libraries and Learning Environments . Facet Pub.,2013

102ML21: INFORMATION MANAGEMENT

Objectives:

1. To acquaint the student with the knowledge society and knowledge manager
2. To make the student understand the role of technology in knowledge management
3. To familiarize the student with knowledge management tools.
4. To introduce the students to the concepts of marketing and their application in information work.
5. To provide an overview of information resource Management

Unit – I

Fundamental concepts of Information Management – MIS – TQM – Change Management.

Unit – II

Knowledge Management – concept, types, scope and application to LICs - knowledge Management Models ,Tools – Knowledge Based Systems.

Unit – III

Information Resource Management (IRM) – Issues – Nature and Types of Information Resources Management (IRM) – Print and Non Book Materials including digital Electronic Information Resources.

Unit – IV

Human Resource Management - Information Professionals Behavior – Motivational Factors - Soft skills – Performance Appraisal – Stress Management

Unit – V

Marketing Management: Concepts, Definition – Relevance in LIS - Economics of Information – Marketing Research & Marketing Segmentation - Designing & Pricing of LIC Products.

Books for study and reference:

1. Evans, G Edward. Developing Library and Information centre Collections. New York, Libraries Unlimited, 2005
2. Evans,GEdward: Management techniques for librarians,2nd Ed., NewYork,Academic Press,1983.
3. Gaur, C. Ramesh. Re-engineering Library and Information Services: process, people & technology. Mumbai, Allied, 2003
4. Gorman, G.E. International yearbook of Library and Information management 2003-2004 metadata applications and management. London, L.A., 2003
5. Kahn, Mirian B. Studies in Library and Information Science. 4 Vol. Vol.3: Managing electronic government information in libraries. Delhi, Pentagon, 2009.
6. Kahn, Mirian B. Studies in Library and Information Science. 4 Vol. Vol.2: Fundamentals of collection development and management. Delhi, Pentagon, 2009
7. Khan, M.A. The Principles and practice of Library science. Delhi, Academia Pub., 2004
8. Kishan Kumar. Management of libraries in Electronic environment. Delhi, Har-Anand Publications, 2007

9. Kishore, Jugal. Personal Management in Libraries. Delhi, Ess Ess, 1981
10. Krishan Kumar. Library Manual. Delhi, Vikas, 2003
11. Krishna Kumar. Library Administration and Management. Delhi, Vikas, 2004
12. Kumar, P.S.G. Management of Library and Information Centres (paper V of UGC Model Curriculum). Delhi, B.R.Pub., 2003
13. Lahiri, Ramansu. Management of Libraries concepts and practices. New Delhi, Ess Ess, 1996
14. Lancaster, F.W. Technology and Management in Library and Information Services. London, Lib. Assoc., 1997
15. Libraries as places: buildings for the 21st century: Proceedings of the Thirteenth Seminar of IFLA's Library Buildings and Equipment section together with IFLA's Public Libraries Section, Paris, France, 28 July-1 August 2003 / edited by Marie-Francoise Bisbrouck [et al.] IFLA Publication No. 109
16. Mahapatra, Piyush Kanti, Chakrabarti, Bhubaneswar. Preservation in Libraries perspectives principles and practice. Delhi, Ess Ess, 2002
17. Mahapatra, Piyush Kanti. Collection Management in Libraries. Delhi, Cyber Tech Pub., 2006
18. Mittal, R.L. Library Administration: Theory and Practice. Delhi, Metropolitan Pub., 1973.19. Mukhopadhyay K K and Guha PS. Library Conservation. Calcutta, Information Research
19. Academy, 1990.
20. Narayan, G.J. Library and Information Management. New Delhi, Prentice Hall, 1991
21. Osborne, Larry N & Nakamura Margaret. Systems Analysis for Librarians and Information professionals. 2nd Ed. Greenwood Pub., 2000
22. Poll, Roswitha et al. - Measuring quality: international guidelines for performance measurement in academic libraries. - Munich: K.G. Saur, 1996. - 171 p. - ISBN 3598218001 - (IFLA publication no. 76)
23. Raina, Roshan Lal. TQM in Library and Information services. New Delhi, Infuse Inc., 1999
24. Ramesh Chandra and Shrivastava, A.P. Information preservation in Library Management. Delhi, Gyan Books, 2003
25. Ramesh Chandra and Shrivastava, A.P. Technological changes in Libraries. Delhi, Gyan Books, 2003
26. Saini, A.K. & Pradeep Kumar. Computer Applications in Management. Delhi, Anmol, 2003
27. Scammell, Alison. Handbook of Information management. Routledge, 2001
28. Sharma, Umesh Chandra. The Infometer. (Measuring library cost-Effectiveness). Delhi, Ess Ess, 1995
29. Singh, Ram Shobhit. Encyclopaedia of library manual: A practical approach to management. New Delhi, Anmol Pub, 2008
30. St. Clair, Guy. Total Quality Management in information services. New York, K.G.Saur, 1997
31. Stewart, Robert D and Moran, Barbara B. Library and Information Center Management. 6th ed. Libraries Unlimited, 2002
32. Balakrishna Surya S. Performance Evolution of University Libraries. Gyan books. ISBN : 7835-906-9 2012 .
33. Bavakutty, M & Majeed, Abdul. Methods for Measuring Quality of Libraries. ISBN : 81-7000-439-X ,2005

103ML21: INFORMATION PROCESSING RETRIEVAL (THEORY)

Objectives :

1. To make the students aware with the latest developments and trends in the field of advanced library classification.
2. To train the students in the practical application of Universal Decimal Classification.
3. To acquaint the students with recent developments in computerized bibliographic records and communication formats
4. To train the students in the cataloguing of non-book materials and complex serial publications according to AACR-2, 1988 revised edition

UNIT I

Information Processing and Retrieval - Concept – An overview of UDC & BSO

UNIT II

Indexing Languages: Characteristics, Types – Vocabulary Control: Thesaurus Construction

UNIT III

Bibliographic Standards and formats - ISBD, AACR, CCF, MARC21, ISO 2709 Metadata-Dublin Core.

UNIT IV

Indexing Systems- Types – Search Statement and Search Process - Search Strategies – Tools, Techniques and Methods

UNIT V

Evaluation of Information Retrieval System– Parameters for Evaluation Information Retrieval System – Information Retrieval Models.

Books for study and reference:

1. Fosket, A.C. Subject approach to Information. 5th Rev. Ed. London, Bingley, 1996
2. Lancaster, F.W. Indexing and Abstracting in Theory and Practice. 2nd Ed. London, Lib. Assoc., 1998
3. Satyanarayana, V.V.V. Universal Decimal Classification: A Practical Primer. New Delhi, Ess Ess Pub, 1998
4. UDC Consortium. Universal Decimal Classification, International MEDIUM Edition, 1993.
5. Raju, A.A.N. Universal Decimal Classification IME 1993: Theory and practice (A self instructional manual). Delhi, Ess Ess Publications, 2007
6. Soma Raju, P. Universal Decimal Classification IME 1993. Visakhapatnam, Author, 19971.
7. A course in Information consolidation: a handbook for education and training in analysis, synthesis and repackaging of Information. General Information Programme and UNISIST, UNESCO, PGI, Paris. 1986.
8. Alberico, R. and Micco M.(1990). Expert systems for reference and Information retrieval. West Port : Meckler.

9. Atchison, J. & Alan G. A.(1072). Thesaurus construction: a practical manual. London: Aslib.
10. Atchison, J. & Gilchrist, A.(1972). Thesaurus construction: a practical manual. London: Aslib.
11. Austin, D.(1984). PRECIS: A manual of concept analysis and subject Indexing. 2nd ed.
12. Chowdhruy, G.G.(2003). Introduction to modern Information retrieval. 2nd Ed. London, Facet Publishing.
13. Ghosh, S.B. and Biswas, S.C. (1998). Subject Indexing systems: Concepts, methods and techniques. Rev. ed. Calcutta: IASLIC.
14. Lancaster, F. W. (1968). Information retrieval systems, characteristics, testing and evaluation. London: Facet Publishing.
15. Pandey, S.K. Ed.(2000).Library Information retrieval. New Delhi: Anmol.
16. Vickery, B.C.(1970). Techniques of Information retrieval. London: Butterworths
17. Kumar, P.S.G.(2004). Information Analysis, repackaging, consolidation and Information retrieval. Delhi: B.R.Publishing.
18. Kumar, P.S.G. (2002) : A student manual of library and infoemation science. Delhi: B.R. publishing.
19. Narayana,G.J.(1991).Library and Information Management.New Delhi:Prientice Hall.
20. Information today and tomorrow (Hyderabad) (1999). working papers. Delhi: NISSAT.

104ML21: INFORMATION TECHNOLOGY : THEORY

Objectives:

1. To introduce the students to the basics of information technology
2. To acquaint the students with computer technology and its development
3. To acquaint the student with the aspects of computer applications
4. To create awareness on computer software

UNIT 1

Overview of Information technology: Basics – Components – Application of Information Communication Technology

UNIT 2

Network Technology - Concepts – Resource Sharing – Topology – Library Networks – Types of Networks : LAN, MAN, WAN – Network Transmission

UNIT 3

Web Technology - World Wide Web (www) - Internet and Intranet

UNIT 4

Information Communication Technology - Telecom Technology; Satellite Technology, Reprographic Technology, e-Publishing

UNIT 5

Application Software : MS office

Books for study and reference:

1. Agarwal, Vibhuti. Library Networking: Challenges & Opportunities. Delhi, Rajat Pub., 2000
2. Arunima Baruah ed. Library Database Management. Delhi, Gyan Books, 2002
3. Bradley, Phil. World Wide Web: How to Design and construct Web pages. 2 nd edition. London, Europa Publications Ltd., 2000
4. Chellis, James, Charles Perkins, Matthew Strebe. Networking Essentials: MCSE Study Guide. BPB Pub., 1998
5. Chopra, Y.L. & Chopra, Mamta (ed). Challenges before Library and Information science new Millennium. Delhi, Ess Ess, 2001
6. Elemesri and S. Navathe. Fundamentals of Database System. Delhi, Dorling Kindersley, 2008
7. Faruqi, KK and Alam, M. Library Information systems and E- Journal Archiving. New Delhi, Authors Press, 2005.
8. Garkoti, G.K. Concise Encyclopaedia of Library and Information Technology.Delhi, Ess Ess, 2001
9. Gopal, Krishan. Library Online Cataloguing in Digital Way. Delhi, Authors Press Pub, 2000
10. Gopal, Krishan. Technological future of Library and Information Science. Delhi, Authors Press, 2001.
11. Haravu, L.J. Library Automation – design, principles and practice. New Delhi, Allied, 2004.

12. Kashyap, Madan Mohan. Computer based library systems designing techniques. New Delhi, Sterling, 1999
13. Kochtanek and Matthews. Library Information Systems. Connecticut, Libraries Unlimited,2004
14. Kochtanek, Thomas R & Matthews, Joseph R. Library Information systems: from Library Automation to Distributed Information Access solutions. Connecticut, Libraries Unlimited, 2002
15. Kumar, P.S.G. Information Technology: Applications (Theory & Practice (paper XI and XIV of UGC Model Curriculum). Delhi, B.R.Pub., 2004
16. Mahender Pratap Singh. Use of Information Technology in Library and Information Science. Delhi, Abhijeet Pub, 2004
17. Malavya V.C. Library Information Technology for the next Millennium. Delhi, Ess Ess, 1999
18. Milan Milen Kovic. Operating System Concepts and Design. New York, Tata McGraw Hill, 2008
19. Mishra, R.C. Information Warfare & Cyber Security. Author Press, 2003
20. Palmer, Martin. Making the RFID most useful in libraries. London, Facet, 2009
21. Pandey, S.K. Electronic Media and Library Information Technology. Delhi, Anmol, 2000
22. Pedley, Paul. Free Business and Industry Information on the Web. London, Taylor & Francis Ltd, 2001.
23. Prasanna Kumar H.E. Multimedia: Its application in Library and Information Science. Delhi, Ess Ess, 2002
24. Rai, A.N. Communication in the Digital Age. Delhi, Authors Press, 2000
25. Ramamurthy,C.R. Globalisation & Library Information Networking. Delhi, Authors Press, 2003
26. Rowley, Jennifer. The Electronic Library. 4th Ed. London, Lib. Assoc., 1996
27. S.K.Basandra & S. Jaiswal, Local Area Networks. Delhi, Galgotia Pub., 2001
28. Sashikala Subbarao V. Library Management through Automation and Networking. Bombay, Allied pub, 1999.
29. Satyanarayana B and Others. Multimedia: Its Applications in Library and Information Science. Chennai, TR Pub, 1998
30. Satyapriya Bhattacharjee. Data Communication and Networks. Delhi, Dominant Pub, 2002
31. Silberschatz and Galvin. Operating System Concepts. 8th Ed. International Student Edition. Delhi, Wiley India, 2009
32. Singh, Shanker.,Ed. World Wide Web Handbook for Librarians. Delhi, Ess Ess, 2000
33. Somasekhara Rao and others. Eds. Advances in Library and Information Science (Festschrift in honour of Dr Sai Ramesh). Visakhapatnam, Sai Pub., 2008
34. Sooryanarayana, P.S. & Mudhol, M.V. Communication Technology its Impact on Library and
Information science. Delhi, Ess Ess. 1999
35. William Stallings. Operating Systems. Delhi, Dorling Kindersley (India), 2009
36. Balasubramanium, P. E-Learning for library professionals. New Delhi: Regal pub., 2013.

SEMESTER- II

201ML21 : LIBRARY AUTOMATION

Objectives:

1. To acquaint the students with the planning and management of automated library systems
2. To impart practical training in the use of DBMS
3. To give practical training in the use of Data Base Mangement
4. To impart practical training in the use of Internet and Library software.

UNIT 1

Planning and implementation of Library Automation
Library Automation _ need and purpose

UNIT 2

House keeping Operations : Acquisition – Cataloguing – circulation - Serial control

UNIT 3

Library Software : types : Inhose, commercial and open source –
Overyview of LIBSYS, NewGenlib, Koha, SOUL

UNIT 4

Database Management Systems
Detailed study of CDS?ISIS

UNIT 5

Selection of Software packages - criteria

Books for study and reference:

1. Agarwal, Vibhuti. Library Networking: Challenges & Opportunities. Delhi, Rajat Pub., 2000
2. Arunima Baruah ed. Library Database Management. Delhi, Gyan Books, 2002
3. Bradley, Phil. World Wide Web: How to Design and construct Web pages. 2 nd edition London, Europa Publications Ltd., 2000
4. Elemesri and S. Navathe. Fundamentals of Database System. Delhi, Dorling Kindersley, 2008
5. Faruqi, KK and Alam, M. Library Information systems and E- Journal Archiving. New Delhi, Authors Press, 2005.
6. Garkoti, G.K. Concise Encyclopaedia of Library and Information Technology.Delhi, Ess Ess, 2001
7. Haravu, L.J. Library Automation – design, principles and practice. New Delhi, Allied, 2004.

8. Kashyap, Madan Mohan. Computer based library systems designing techniques. New Delhi, Sterling, 1999
9. Kumar, P.S.G. Information Technology: Applications (Theory & Practice (paper XI and XIV of UGC Model Curriculum). Delhi, B.R.Pub., 2004
10. Mahender Pratap Singh. Use of Information Technology in Library and Information Science. Delhi, Abhijeet Pub, 2004
11. Mishra, R.C. Information Warfare & Cyber Security. Author Press, 2003
12. Palmer, Martin. Making the RFID most useful in libraries. London, Facet, 2009
13. Sashikala Subbarao V. Library Management through Automation and Networking. Bombay, Allied pub, 1999.
14. 32. Singh, Shanker.,Ed. World Wide Web Handbook for Librarians. Delhi, Ess Ess, 2000
15. Somasekhara Rao and others. Eds. Advances in Library and Information Science (Festschrift in honour of Dr Sai Ramesh). Visakhapatnam, Sai Pub., 2008
16. William Stallings. Operating Systems. Delhi, Dorling Kindersley (India), 2009
17. Balasubramanium, P. E-Learning for library professionals. New Delhi: Regal pub., 2013.

202ML21 : DIGITAL LIBRARIES

Objectives:

1. To make the student understand the concept of digital libraries and major digital library initiatives
2. To create an awareness on management of digital resources
3. To make them familiar with digitization techniques and their application

UNIT 1

Concept of Digital Libraries - Transition of Libraries from Traditional to Digital – Definitions, Characteristics, Components, Theoretical Fundamentals, Merits and Demerits and Challenges

UNIT 2

Digital Library Management – Design and Organization of Digital Libraries – Architecture – Protocols – Metadata – Standards – SGML, Z39.50

UNIT 3

Digital Resources : Nature and Management – Digital Library Evaluation – Digital preservation – Digital Archiving - Need and Strategies

UNIT 4

Overview of Major Digital Library Initiatives – Digital Library Initiatives in India – Open Source Initiatives, Open Archive Initiative (OAI)

UNIT 5

Building the Digital Library – Digitization – Process and Methods – Planning for Digitization - Institutional Repositories – open source Software for digital libraries : GSDL; DSpace; EPrint—Future of Digital Libraries.

Books for study and reference:

1. Balakrishnan, Shyama & Paliwal, P.K. Library Digital Technology. Delhi, Anmol, 2001
2. Brogan, Martha L. A survey of Digital Library Aggregation service. Washington, Digital Library Federation, 2003
3. Brogan, Martha L. Contexts and Contributions: Building the distributed library. Washington, Digital Library Federation,2003
4. Deegan and Tanner. Digital Futures. London, L.A., 2002
5. Ganguly, R.C. Digital libraries: Challenges and prospects. Delhi, Isha books, 2007
6. Hughes, Lorna M. Digitizing Collections: strategic issues for the information manager. Newyork, Neal Schuman Pub., 2004
7. Iorna and Hughes. Digitizing Collections. London, Facet, 2004
8. Pedley, Paul. Digital Copyright. 2nd ed. London, Facet, 2009
9. Singh, Ram Shobhit. Encyclopaedia of digital libraries. 2 Vols, Vol.1&2. New Delhi, Anmol Pub, 2008
10. Chowdhury, G.G. and Foo,Schubert, Eds. Digital Libraries and Information Access: Research perspectives. Facet pub, 2012.

203ML21: RESEARCH METHODOLOGY

Objectives :

1. To understand about the concept of research and types of research.
2. To understand the research techniques and tools applicable to library and information science .
3. To understand the process and tools of data analysis and interpretation.

4. They also understand the research design, hypothesis , research proposal.
5. The student can understand the research methods and case study methods, data collection techniques & tools.
6. The student shall study about the LIS Research in India.

Unit : I

Research: concept, meaning, Need and purpose Types of research - Pure, Applied, Inter disciplinary Research

Unit : II **Research Design**

- Identification of problem
- Formulation and testing of Hypothesis
- Steps in Research Design
- Sampling techniques and types.

Unit : III **Research Methods .**

- Historical, descriptive, Survey,
- Experimental, case study, scientific,
- Data collection : tools and techniques
- Data Representation – Tables, Charts, graphs.

Unit : IV **Statistical Techniques and tools. -**

- Data Analysis and Interpretation.
- Use of SPSS
- Statistical Measures – Parametric and Non-parametric Methods

Unit : V

- Research Reports and Trends in LIS Research.
- Research Report Writing : Structure and Content , Style Manuals,
- Trends in Library and Information Science Research

Books for study and reference:

1. Bajpai, S.R.: Methods of social survey & Research, Kanpur, Kitabgarh, Latest Ed.
2. Busha, Charles H. and Houter, S.P: Research Methods in Librarianship. New York, AcademicPress, 1980.
3. Devarajan, G. Research in Library and Information Science. Delhi, Ess Ess Pub., 2002

4. Kothari, C.R.: Research Methodology: Methods and techniques, New Delhi, Wiley Eastern, 1985.
5. Krishan Kumar: Research Methods in LIS, New Delhi, Har-Anand, 1992.
6. Kumar, P.S.G. Research methods and Statistical Techniques (Paper XII of UGC Model Curriculum). Delhi, B.R.Pub., 2003
7. Line, M.B.: Library Surveys, 2nd Ed., London, Clive Bingley, 1982.
8. Ravichandra Rao, I.K. Quantitative methods for Library and Information Science: New Age International, 2009
9. Ravichandra Rao, I.K.: Quantitative Methods for Library and information Science, New Delhi, Wiley Eastern, 1983.
10. Sehgal, R.L. Applied Statistics for Library science Research. Vol. I and II. New Delhi, Ess Ess Pub., 1998
11. Sehgal, R.L. Designing and Evaluation of Research in Library Science Vol.1. New Delhi, Ess Ess Pub., 1998
12. Sehgal, R.L. Statistical Techniques for Librarians. New Delhi, Ess Ess Pub., 1998
13. Sharma Pandey S.K. Universe of Knowledge and Research Methodology. Delhi, Ken Pub., 1990.
14. Simpson, I.S.: Basic Statistics for librarians, 2nd ed., London, Clive Bingley, 1983.
15. Singh, Ram Shobit. Encyclopaedia of research techniques in library and information science. New Delhi, Anmol pub, 2008
16. Vaughan, Lawmen . Statistical Technology for the Information Professional :A Practical Painless

204ML21: ACADEMIC LIBRARIES

Objectives:

1. To create an awareness on the evolution and development trends of academic library system in India
2. To make the student understand workflow in different sections of academic libraries
3. To abreast them with the technology based services and practices

Unit : 1 Libraries and Academic Institutions

- Concept, Definition and Need and purpose.
- Role of Library in Academic Institutions
- Types of Academic Libraries
- Growth and Development of College and university libraries

Unit : II Academic Library Resource Sharing, Networks, consortia

Resource Sharing, INFLIBNET, UGC-INFONET

Unit : III Academic Library Management

Organizational Charts – Centralization and Decentralization – Collection Development and Evaluation - Preservation

Unit : IV Academic Library Services

CAS, SDI, Database Search Services – Information Literacy

Unit : V User Education and Use Studies

User Information needs and Information Seeking Behavior studies
User Education and Information Literacy
Information Services and Evaluation

Books for study and reference:

1. American Association of School Librarians. Standards for school library programmes. 1969. ALA, Chicago (Latest).
2. American Library Association. Personnel organization and procedure: A manual suggested for use in college and university libraries. Ed. 2. 1978. ALA, Chicago.
3. Baker, David, Ed. Resource management in academic libraries. 1997. L.A.London.
4. Balakrishanan, Shyama & Paliwal, P.K. Academic Library automation
5. Bavakuty, M. Libraries in Higher Education. ESS ESS Pub., 1988
6. Bhaskara Rao, P. Information Networks and Resource sharing. Delhi, Reliance, 1998
7. Biddiscombe, Richard, Ed. The end – user revolution. 1996. Library Associations, London.
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205ML21: INFORMATION TECHNOLOGY (PRACTICALS) AND COMPREHENSIVE VIVA-VOCE

PART A (50 MARKS)

Internet Search
CDS /ISIS
MS office : MS word, MS Excel, MS Power Point

PART - B (50 MARKS)

Comprehensive Viva-Voce

DURATION OF THE PROGRAMME:

Minimum: One Academic Year from the year of joining of the course Two Semesters). **Maximum:** Three Academic Years from year of joining of the course for securing First Class or Second Class.

INSTRUCTIONAL DELIVERY MECHANISM:

University has its own faculty for MLISc. department and all the faculty members will act as resource persons. Our University has blended mode delivery mechanism i.e., ICT and Conventional modes.

MEDIA OF DELIVERY MECHANISMS:

• **Printing:** The study material delivery media include Printing of books which are issued to the students who are enrolled for the programme.

• **Online:** On line PDF format content is also given access to the students who wish to study through online mode.

• **Audio Video Materials:** Audio Video material is also available for students for better understanding of the course material.

• **Conducting virtual classes:** Virtual classes are also being conducted at regular intervals for students.

• **Interactive sessions, and Discussion boards:** In distance Education, face to face contact between the learners and their tutors is relatively less and therefore interactive sessions are conducted. The purpose of such interactive session is to answer some of the questions and clarify doubts that may not be possible in other means of communication. This programme provides an opportunity to meet other fellow students. The Counsellors at the study centres are expected to provide guidance to the students. The interactive sessions are conducted during week ends and vacations to enable the working students to attend.

• **Student support services:** Student support services include Internet enabled student support services like e-mails, SMS and even an app is planned. Student feed back mechanism is created and feed back is designed. Student Learning Managemnet Sysyem (LMS) is customized to every student. For every student customized examination management system (EMS) is also created facilitationg self evaluation, demo tests, model question papers and periodical Internal Assessments.

• **Credit System:** University has adopted Choice Based Credit System (CBSE) under semester mode from 2013. The same has been approved by relevant Statuatory boards in Distance mode also.

• **Admission procedure:** In MLISc. programme candidates can take admission directly. For this purpose, CDE, ANU will advertise for admissions. Then candidates should apply in prescribed format of the CDE after publication of the advertisement.
• **Eligibility Criteria:** The eligibility for admission into this course is B.L.I.Sc. .
• **Fee Structure:** The total course fee is Rs.10,675/-.
• **Policy of programme delivery:** Our University has blended mode delivery mechanism i.e., ICT and Conventional modes. In conventional mode printed material is given and also online mode of delivery with learning management system is adopted.

• **Activity planner:** There is an yearly academic plan and as per plan interactive sessions, assignments, examinations etc are conducted to the candidates.

• **Evaluation System:** Periodical progress of learning is evaluated by web based feed back mechanism in the Learning Management System. Evaluation of learner progress is conducted as follows:

(i) The examination has two components i.e., continuous evaluation by way os assignments (30 %0 and term end University Examination (70 %).

(ii) Each student has to complete and submit assignment in each of the theory paper before appearing to the term end examination. The term end examination shall be of 3 hours duration.

(iii) Minimum qualifying marks in each paper is 40 % indivually in internal and term end examination. The candidates who get 60 % and above will be declared as passin First Division, 50 % to below 60 % as Second Division and 40 % to below 50 % as Third Division.

(iv) THe Centre for Distance Education, Acharya Nagarjuna University will conduct the examinations, evaluations and issue certificates to the successful candidates.

(v) All the term end examinations will be conducted at the examination centres fixed by the CDE.

(vi) Qualitatively the examinations conducted for the students of the Distance Education are on par with the examinations conducted for the regular University students.

LIBRARY SUPPORT AND LIBRARY RESOURCES : The MLISc. program is based on the theory and practical papers. Laboratory support is available to students. Further, entire University Library is accessble to all the students of distance education. Additionally every department in the University has a well equipped library which is accessable to all the students. CDE also provides a compendium of web resources to every student to support learning.

COST ESTIMATE : The Programme fee is Rs.10,675/-. The university will pay the remuneration to Editors and lesson writers as per university norms. DTP charges, Printing of books and Examination fees will be paid by the ANUCDE as per prescribed norms. This institution is providing high quality programmes at low cost.

QUALITY ASSURANCE : Quality assurance comprises the policies, procedures and mechanisms which that specified quality specifications and standards are maintained. These include continuous revision and monitoring activities to evaluate aspects such as suitability, efficiency, applicability and efficacy of all activities with a view to ensure continuous quality improvement and enhancement. The programme is designed with a focus on the proposed learning outcomes aimed at making the learner industry ready also for career advancement, enterprenureal development, and as wealth creators. There is a continuous evaluation of learning and of competence internally and also by ICT enabled feed back mechanism and Centre for Internal Quality Assurance (CIQA). The University ensures maintaining quality in education provided through open and diatance learning mode. As per the need of the information society and professional requirement, the University ensures to change the mechanism from time to time along with enhancement of standard in course curriculum and instructional design. Therefor, the outcomes of the programme can meet the challenges in the changing society.

DIRECTOR
CENTRE FOR DISTANCE EDUCATION
ACHARYA NAGARJUNA UNIVERSITY
NAGARJUNA NAGAR - 522 510.

REGISTRAR
ACHARYA NAGARJUNA UNIVERSITY
NAGARJUNA NAGAR - 522 510.
GUNTUR (A.P.) INDIA.