

DEVI AHILYA VISHWA VIDYALAYA, INDORE (M.P.)
CENTRAL LIBRARY
MASTER OF PHILOSOPHY IN LIBRARY AND INFORMATION SCIENCE:
Under the Faculty of Engineering Sciences
PROSPECTUS: 2011-12

01. Librarianship as a Career

Libraries are now universally recognized as important social institutions, no community is considered complete without a library. The gradual spread of the concept of democracy, education, the intensification of search activities, the rapid increase in production of recorded knowledge, have led to the expansion of libraries and the development of their services. A library is an important element of a community; an academic library is an essential part of an educational institution school, college or university; a business and industrial organization.

Librarianship is a growing field, which has by now attained the status of a separate discipline in the universe of knowledge. It presents challenges and interesting situations to library personnel. Those intending to enter the library profession should satisfy themselves that they possess the academic qualification and the sense of vocation that would enable them to work successfully as librarians. Librarianship as a profession provides a variety of employment opportunities. In Fact, it is possible to choose the kind of library to suit one's interest and background. Persons with a superior record high qualification can achieve high position. The salaries in college university libraries are comparable to those teachers.

The School of Library and Information Science is organized under the Faculty of Engineering. It conducts one and half year (three semesters) course leading to the Degree in Master of Philosophy in Library and Information Science.

02. OBJECTIVES :

- To enable the student to understand the functions and purpose of library in changing social and academic environment .
- To train the student in the techniques and management of Libraries of the 21st century using the modern technologies .
- To develop the skills to manage the Electronic Libraries in digital environment and to provide the advanced skills in computer and its application in library and information activities.
- To train the students in the advanced methods and techniques of research in library and information science

03. Duration of the Course:

The Master of Philosophy in Library and Information Science shall comprise of a course of study spread over a period of **three semesters in one and half year** duration.

04. Eligibility:

A candidate seeking admission to the program must have passed a MLISC Degree examination with 55 percent of marks of Devi Ahilya Vishwavidyalaya, Indore or any other Statutory University/Institute recognized as equivalent thereto by DAVV. The candidate must have attained the age at the time of admission as Prescribed by the university from time to time.

05. Admission Procedure:

The admission to the course shall be through written/interview examination as prescribed/decided by the university from time to time.

06. Number of Seats:

The total numbers of seats are 20. The Reservation of seats shall be as per M.P.Govt. /University rules.

07. Fees Structure:

The tentative fee structure for the proposed course is as follows:

DAVV CENTRAL LIBRARY				
Fees structure for M.Phil in LIS Course 2011-12				
Description	First Sem.	Second Sem.	Total:	Third Sem.
Academic Fees	7000	7000	14000	7000
Development Fees	500	500	1000	500
Miscellaneous Fees	1000	1000	2000	1000
Internet Fees	500	500	1000	500
Univ.Fees.	1590	900	2490	1590
Caution Money	3000		3000	
	13590	9900	23490	10590
Exam Fees	1000	1000	2000	1000
Total:	14590	10900	25490	11590

The fees structure is subject to change by the Executive Council from time to time.

08. Curriculum:

The details of the subjects to be taught during the one and half year period in three semesters, curriculum pattern and examination scheme for each semester shall be subject to the approval of the concerned board of studies/faculty/other academic bodies of the university. In addition, the students will be required to under take and complete assignments, seminars, etc, as prescribed in the course of study.

Course No	Title	Credits	Hours
FIRST SEMESTER(July-December)			
701	Library and Information Centers: Current Management Practices	06	06
702	Research Methodology: Theory	06	06
703	Library Automation and Networking	06	06
704	Elective Paper	04	04
	A: Information Transfer and Dissemination		
	B: Public Library System		
	C: Agricultural Library and Information System		
705	Comprehensive Viva	04	
SECOND SEMESTER(January-June)			
706	Information Technology: Application	06	06
707	Research Methodology: Techniques	06	06
708	Information Technology Practices	05	10
709	Comprehensive Viva	04	
THIRD SEMESTER(July-December)			
710	Seminar and Assignments	05	
711	Dissertation	08	
712	Comprehensive Viva	04	

09. Eligibility for the Degree:

The candidate shall be eligible for the degree when he/she has undergone the prescribed course of studies for a period of not less than one and half years in the institution and has passed the requisite examination in all the subjects.

10. Requirement for the Examination and attendance:

The candidate will be permitted to appear in the examination if he/she has put in minimum attendance of the lectures on each subject as prescribed under the rules as applicable from time to time and if he/she fulfils all other eligible conditions for appearing in examination.

11. Examination:

Examination shall be conducted by the university as per the provisions of Ordinance No.31. The general Provisions of examination under the ordinance 5&6 and admission enrollment, etc, shall be applicable unless otherwise specified in this Ordinance. For matters not covered in this ordinance, General rules of the university examination shall be applicable. In other cases, the Executive Council shall be the competent authority to decide.

SYLLABUS

For

MASTER OF PHILOSOPHY IN LIBRARY AND INFORMATION SCIENCE

(ONE and HALF YEAR :

THREE SEMESTERS):

Faculty of Engineering Sciences

Academic Session 2011-12&2012-13

FIRST SEMESTER (July-December)

Course 701: Library and Information Centers :Current Management Practices Credits: 06 Hrs: 06

Unit I: Scientific management. Personnel management. Attitudes and Motivation: Meaning, definitions, theories and techniques. Problem solving, decision making, organization theory, human relations in management,

Unit II: Organization structures; Library system: Public, Academic and Special. Staffing, Library authority, Delegation of Authority. LIS Committees. Human Resource Development and Job analysis. Library standard and library statistics. Library rules in the digital context.

Unit III: Applications of system study techniques to library organizations and library situations. Evaluation of library procedures and services. Time and motion studies. Performance testing. PERT/CPM, MBO, MIS, TQM.

Unit IV: Financial management. Costs benefit analysis, Budget and Budgeting techniques. Collection Development in the public, Academic and Special Libraries. Collection development, policies, processes, techniques and evaluation. Collection development in digital environment.

Unit V: Role of information in planning, decision making, management. Marketing of Information: Information as a resource and commodity . Marketing for Information Professionals. Marketing Research, Information Marketing Plan, and new technologies for information marketing.

Course 702: Research Methodology: Theory Credits: 06 Hours: 06

Unit 1 Research: Meaning, nature, and need. Types of research: Fundamental and applied research. Research design. Role of research in the development of library and Information science. Problems in conducting research in Library & Information Science.

Unit 2 Research method– Historical method, survey method, Scientific method, experimental method, case study method. Application of research methods in library & information science. Research problem–Formulation and factors intuiting the selection of research problems.

Unit 3 Hypothesis – Definition, types, Testing of hypothesis. Z-T test, chi square test. Design of a scientific research study. Sampling–Definition, Need, Types . Determination of sample size.

Unit 4 Collection of data – primary and secondary data: Methods of collection of data, observation, interview, survey, experimental, questionnaire method. Analysis and interpretation of data, Classification of data; presentation of data: bar, pie-line graphs, histograms

Unit 5 Report writing: Structure, style, contents and Guidelines for research reporting .Style manuals: Chicago, MLA, APA. Current trends in library and information science research.

Course No: 703 Library Automation and Networking Credits: 06 Hours: 06

Unit 1:Library automation: concepts, definition, need, purpose, merits and demerits. Automation System Study: planning and Implementation for automation.

Unit 2:Automation of various housekeeping operations: acquisition, classification, cataloguing, circulation, serial control and stock verification. Communication Technology-media and component

Unit 3:System analysis & design: needs assessments; specifications; proposal; implementation; evaluation Organizational/Management issues. Library automation: required hardware, software and its selection techniques. Software packages: CDS/ISIS, SOUL, TLSS, LIBSYS.

Unit 4:Computer networks architecture: Types and topology. Internet, intranet and extranet. Internet: features, tools and services. Internet connections: Dial-up, cable, leased-line, ISDN. Internet protocols: IP/TCP, SMTP, FTP, POP.

Unit 5:Networking and resource sharing. OSI Reference model. web browser and web server, Internet security. Study of important networks–NICNET, INDONET, INFLIBNET, ERNET, DELNET, EURONET, CALIBNET, UGC-INFONET.

Course No: 704 Elective paper(Choose any ONE) Credits: 04 Hours: 04

(A) Information Transfer & Dissemination.

Unit-1:Information, Information science and information society. Information transfer cycle. Role of information in planning, decision making, management and socio-economical development. Grey Literature and its organization in Information centers

Unit-2: Information Analysis: Repackaging and Consolidation: Concept of subject analysis, Content analysis, Restructuring and repackaging of Information. Information products, concept, types, design and development. Overview of trends in Information Analysis and consolidation.

Unit- 3: Information services: DDS, Translation, Reprography: Types and Techniques, Data banks, NISSAT, AGRIS, INIS, MEDLARS, INSPEC.

Unit 4: Information services- CAS, SDI, Abstracting services, Technical notes, State of the Art and Trend Reports: characteristics. Indexing: Types, need and indexing periodical Services. Methodologies for compilation.

Unit-5: Information Storage and retrieval system: need, purpose, planning and its importance in Information transfer and dissemination.

(B): Public Library System

Unit 1 Changing Perspective in education and society and their implications for the development of Public Libraries. Current State of public libraries in selected development and developing countries

Unit 2 Library Constitution. Changing patterns in library organization: Library systems, structure. Library services. Library cooperation: need and types of interlibrary cooperation. Cooperation for developing Library service in India- prospects and problems.

Unit 3 Library personnel: public library personnel for the Nation. Qualification, selection, professional development. Responsibilities and duties. Library finance: determination of Library finance, sources of finance and administration of budget.

Unit 4 Library building: planning, basic elements of design. Furniture and fittings. Modern public library buildings. Public Library system and future Planning in M.P.

Unit 5 Building library collection: Book selection and acquisition- policy and procedures, selection, acquisition and organization of non-book materials. Need and role of IT in development of public libraries.

(C) Agricultural Library and Information System.

Unit-1 Growth and development of Agricultural Libraries:
Origin and Growth of Agriculture. Development of Agricultural research in India. Agricultural Libraries, growth, development and need in India and abroad. Types of agricultural libraries. Collection development and management: Periodicals. Grey literature, patents, standards/ Government publication, non-book materials, e-resources, CD-ROM and online databases

Unit-2: Organization, Administration and Services:
Library service, statistics, work measurements, their use and effectiveness. Planning organization of various information services. Literature searching, repackaging and marketing of information services. Needs of agricultural scientists. Assessment of users need. Conceptual model for generation and transformation of agricultural information.

Unit-3: Agricultural Information: Meaning and purpose. Importance of networking in Agricultural libraries. National centers: ICAR, IARI, IASRI, NDRI, IVRI, CIFE, Agricultural Information Systems and Networks in India and abroad. AGRIS, AGRILIBNET, INAGRIS, ARISNET. Agricultural databases: AGRICOLA, CAB International and AGRIS databases, Format, techniques and structure. Abstracting, Reviews and Indexing journals.

Unit-4: Committees and Commission on Agricultural Libraries. Agricultural Librarianship as a profession. Role of librarian in agricultural libraries. Professional Associations in Agricultural: AALDI and IAALD.

Unit-5: Resource sharing in Agriculture libraries. Basic requirement for resource sharing in Agriculture libraries. Problems in resource sharing in Agriculture libraries. Agriculture library consortia. Impact of online information in Agriculture libraries.

Course No: 705 Comprehensive Viva

Credits: 04

SECOND SEMESTER: JANUARY-JUNE

Course no: 706 Information Technology: Application Credits: 06 Hours: 06

Unit 1 :Historical Development and types computer. Operating systems DOS, Windows, Unix.

Input, output devices and memory. Hardware & Software. Introduction of programming languages: C, C++, Visual basic and html.

Unit 2: Information Technology: definition, concept, need, scope and objectives. Application of IT in libraries. Database Management: definition, need, concept field, record and file. Database types: bibliographic, numeric, factual, and full text databases, Online database and CD-ROM database. DBMS. Search strategies.

Unit 3: Digital libraries: Creation and preservation of digital resource. Digital infrastructure: technical and database structure, OCR. Collection of digital library: e-journals, e-book, e-database, e-conference announcement. Impact of e-resource and evaluation of digital library. Open source software.

UNIT 4:Digitization: Digital Library development, Issues Involved, Electronic resources, Access to Web Based digital resources. Electronic Publishing, Strategic Management of Digital Libraries. Challenges for Digital Library. Intellectual Property Rights in Digital environment. Concept of virtual library.

UNIT 5:Data mining: concepts, need and application in library. Data warehouse and Mata data harvesting in Library, OAI. Information security-encryption, decryption, bioinformatics. Artificial Intelligence and expert system; meaning, need and impact on library and information science.

Course 707: Research Methodology: Techniques

Credits: 06 Hours: 06

UNIT 1: Sampling methods- Census methods and sampling methods: merits & Demerits – Purpose, Principles and assumptions. Types of sampling techniques: random, systematic, Cluster, Multistage.

UNIT 2: Bibliometrics, scientometrics, and Informatics and webometrics: concept, definition. Bibliometric laws: Bradford, Zipf and Lotka. Bibliographic coupling, Obsolescence, citation analysis. Quantitative & qualitative data- nominal. Scale, ordinal scale, Interval scale, titian scale .

UNIT 3: Measures of central tendency arithmetic mean geometric mean, weighted mean median mode measures of dispersion, Asymmetry and relationship.

UNIT 4: Literature Search-Importance of Surveying Related literature Library Sources, Research Reviews, Catalogues, Indexes, Abstracts, Bibliographies, Microforms, Computerized Information Retrieval Systems. Statistical packages like SPSS.

UNIT 5: Chi square test: condition of application of chi square test steps involved, chi square test of independence, measures of association, testing of multinomial hypotheses, Rank correlation coefficient. Analysis of Variance and Covariance ANOVA, basic principle, technique, testing up analysis of variance table for one way ANOVA:

Course No: 708 Information Technology: Practice

Credits: 05 Hours: 10

Unit 1 Internet search techniques and blog creation.

Unit 2 Digitalization of collection, ERMSS and E-QUEST.

Unit 3 Creation and maintenance of Database in SOUL/TLSS.

Unit 4 On-line/CD-ROM e-resource searching.

Unit 5 Web page designing and creation.

Course No: 709 Comprehensive Viva

Credits: 04

THIRD SEMESTER: JULY-DECEMBER

Course No: 710 Seminar and Assignments

Credits: 05

Course No. 711: Dissertation

Credits: 08

Course No. 712: Comprehensive Viva

Credits: 04