MIZORAM UNIVERSITY
(A Central University)

Department of Library and Information Science

Ph.D Course Work
w.e.f. 01.08.2020

- **B.O.S. Approved** - **02.11.2020**

- **School Board Approved** - **05.11.2020**

- **Academic Council Approved** - **20.11.2020**

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

PhD COURSE WORK
SCHEME OF PAPERS UNDER CREDIT SYSTEM – 2020

No	Course Code	Course Name	Credit Distribution				Marks
			L	P	T	Total	(Scaled)
Course work							
1	LIS/CW/RM/01	Research Methodology	3	0	1	4	100
2	LIS/CW/RPE/02	Research Publication & Ethics (RPE)	1	1	0	2	100
3	LIS/CW/CC/03	Information and Knowledge Society: LIS Perspective	3	0	1	4	100
4	LIS/CW/OC/04A	Library and Information Technology Management	3	0	1	4	100
Total			**10**	**1**	**3**	**14**	**400**

LIS/CW/RM/01: RESEARCH METHODOLOGY

Credit Distribution			Total Credits	Internal Marks		Semester Exam	Total Marks
L	P	T	L+P+T	C1	C2	C3	C1 + C2 + C3
3	0	1	04	20	20	60	100

Unit-1   Foundations of Research
-   Meaning and definition, concepts, nature and objectives
-   Types of research, Ethics in research
-   Research Areas in LIS, Current Developments, Role of research in the development of scholarship

Unit-II   Research Design and Methods
-   Selection of a problem for research- Mode of selection, Sources of problems, Process of identification, Criteria of selection, Formulation of the selected problem
-   Research Design, Hypothesis,
-   Literature search- print, non-print and electronic sources
-   Research proposal
-   Types of research: Qualitative and quantitative method of LIS research- Scientific, Historical, Descriptive, Survey, Observation, Experimental, Case Study, Delphi Techniques.
-   Bibliometrics, Informatics, Scientometrics, Webometrics,

Unit-III   Data Collection, Analysis and Interpretation
-   Data collection: Questionnaire, Interview, Observation
-   Sampling techniques, sample design or choice of sampling techniques, sample size, sampling and non-sampling errors.
-   Presentation of Data- Tables, Graphs, Charts
-   Interpretation of Data- Frequency Distribution, Measures of central tendency, Mean, Median & Mode, Time Series, Co-relation studies, ANOVA, Regression Analysis
    -Use of statistical packages

Unit-IV   Research Reporting
-   Research reporting: Organisation of report, Structure, Style, Contents, Guidelines of Research Reports, Style Manual – Chicago – MLA-APA etc. Automatic Citation Builder, Endnote, Ref. work. and Methods of Research Evaluation
-   Reference Management Software

References and Further Reading

Borgman, Christie L., ed. (1990). Scholarly Communication and Bibliometrics. Newbury Park, CA: Sage Publications, Inc.

Busha, Charles H. and Harter, Stephen P. (1980) Research Methods in Librarianship. New York: Academic Press.

Davis, GB (1997) Management Information System: Concept, Foundation Structure and Development. New York: McGraw Hill.

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Ranjit Kumar (1999) Research Methodology: A Step-by-Step Guide for Beginners. Delhi: Sage.

Roa, IKR (1983) Quantitative Methods for Library and Informationa Science. New Delhi: Wiley Eastern.

William, Kristy (2000) Research Methods for Students and Professionals Information Management System. Wagga, NSW, Australia: Charles Strat University.

Yin, RK (1994). Case Study Research : Design and Method. California, Thousand Oaks.

Young, PV (1996). Scientific Social Surveys and Research. New Delhi: Prentice Hall

LIS/CW/RPE/02: RESEARCH PUBLICATION & ETHICS (RPE)

Credit Distribution			Total Credits	Internal Marks		Semester Exam	Total Marks
L	P	T	L+P+T	C1	C2	C3	C1 + C2 + C3
1	1	0	02	20	20	60	100

A-Theory
RPE 01: PHILOSOPHY AND ETHICS (3hrs)
    1. Introduction to Philosophy: definition, nature and scope, concept, branches
    2. Ethics: Definition, moral philosophy, nature of moral judgements and reactions.
RPE 02: SCIENTIFIC CONDUCT (5hrs.)
    1. Ethics with respect to science and research
    2. Intellectual honesty and research integrity
    3. Scientific misconducts: Falsification, Fabrication and Plagiarism (FFP)
    4. Redundant publications: duplicate and overlapping publications, salami slicing
    5. Selective reporting and misrepresentation of data
RPE 03: PUBLICATION ETHICS (7 hrs.)
    1. Publication ethics: definition, introduction and importance
    2. Best practices/standards setting initiatives and guidelines: COPE, WAME etc.
    3. Conflicts of interest
    4. Publication misconduct: Definition, concept, problems that lead to unethical behavior and vice versa, types
    5. Violation of publication ethics, authorship and contributorship
    6. Identification of publication misconduct, complaints and appeals
    7. Predatory publishers and journals
B- Practice
RPE 04: OPEN ACCESS PUBLISHING (4hrs.)
    1. Open access publications and initiatives
    2. SHERPA/RoMEO online resource to check publisher copyright & self-archiving policies
    3. Software tool to identify predatory publications developed by SPPU
    4. Journal finder/journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggester, etc.
RPE05: PUBLICATION MISCONDUCT (4 hrs.)
    A. Group Discussions (2 hrs.)
     1. Subject specific ethical issues, FFP, authorship
     2. Conflicts of interest
     3. Complaints and appeals: examples and fraud from India and abroad
    B. Software tools (2 hrs.)
    1. Use of plagiarism software like Turnitin, Urkund and other open source software tools
RPE 06: DATABASES AND RESEARCH METRICS (7 hrs.)
    A. Databases (4hrs.)
     1. Indexing databases
     2. Citation databases: Web of Science, Scopus etc.
    B. Research Metrics (3hrs.)
     1. Impact factor of journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score
     2. Metrics: h-index, g index, i10 index, altmetrics

LIS/CW/CC/03: INFORMATION AND KNOWLEDGE SOCIETY: LIS PERSPECTIVE

Credit Distribution			Total Credits	Internal Marks		Semester Exam	Total Marks
L	P	T	L+P+T	C1	C2	C3	C1 + C2 + C3
3	0	1	04	20	20	60	100

Unit -1   Information Society

- Information Society: Attributes, Characteristics, & Components

- Information Infrastructures- National and Global

- Information Economics, Economics of Information, Information as Economic Resource.

- National Information Policy, Information Digital Literacy.

Unit-II   Knowledge Society

- Definition, Characteristics and Components.

- Knowledge Economy and Knowledge Industry.

- Knowledge Management, National Knowledge Commission.

- Libraries as Gateways to Knowledge.

- Towards a Knowledge Society and Role of Knowledge Professionals.

Unit-III   Digital Library Initiatives

- Electronic Theses and Dissertations

- National Digital Library (MHRD)

- Inflibnet (e-soudhsindhu)

Unit-IV   Trends and Developments

- Role of Information in Planning, Decision Making, Innovations and National Developments.

- Impact of Information and Knowledge Society on Education, Training and Research.

- Conventional vs Web Based Learning, MOOC

- Recent Trends and Developments in LIS Education and Research.

- Impact of social media on Society and National Development

References and Further Readings

Allan, Barbara (2002). E-Learning and Teaching in Library and Information Services. London: Facet Publishing.

Amidon, Debra M. (2001) Innovation Strategy for the Knowledge Economy, Oxford: Butterworth – Heinemann.

Baldwin, Christine. (1995) Electronic Copyright: A Publishers' View.

Boone, Mary E. (2001). Managing Interactively: Executing Business Strategy. Improving Communication and creating a Knowledge Sharing Culture.

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Digital Futures: Strategies for the Information Age. London: Library Association Publishing.

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Publishing – Academic Authors and their Rights. Author's Licensing and Collecting Society. (1995).

Raman, A Thothathri (2003) Knowledge Management: A Resource Book. New Delhi : Excel Books.

LIS/CW/OC/04A: LIBRARY AND INFORMATION TECHNOLOGY MANAGEMENT

Credit Distribution			Total Credits	Internal Marks		Semester Exam	Total Marks
L	P	T	L+P+T	C1	C2	C3	C1 + C2 + C3
3	0	1	04	20	20	60	100

Unit-I   Trends and Developments in Library and Information Management

- Resource Management and Development: Human, Financial and E-Resources
- Resource Mobilization and Outsourcing
- Information Marketing
- Disaster Management
- Digital Information Resources Management

Unit-II   Library Networks and Consortia

- Networks and Networking: Types, Hardware/ Software Requirements, Network protocols, Network security
- Data Networks and Library & Information Networks
- Networked Based Library and Information Services
- Library Consortia
- Management of Library and Information Networks and Consortia

Unit-III   Digitization

- Digitization: Need, Methods and Equipment, Meta Data, Standards of Meta Data
- Digital Library: Components, Digital Library Initiatives in India, Open Access Initiative, Open Source Philosophy

Unit-IV   Web and Social Media Applications in LIS

- Web 2.0, Blog, RSS Feed, Podcasting, Social Networking
- Cloud Computing, Digital Reference Tools

References and Further Reading

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Allee, Verna (1997) The Knowledge Evolution: Expanding Organizational Intelligence. Boston MA: Butterworth Heinemann.

Andreasen, Alan and Kotler, Philip (2002) Strategic Marketing for Non-Profit Organisation. 6th ed., NJ: Prentice Hall.

Bayross, Ivan, N. (2003) Database Concepts and Systems. Navi Mumbai: Shroff.

Bonczek, Robert H. et al. (1981) Foundation of Decision Support System. New York: Academic Press.

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Gunasekara, Angappa (2003). Knowledge and Information Technology Management: Human and Social Perspectives. Hershey: Idea Group Publishing.

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