



Department of Library and Information Science
Ph.D Library and Information Science Programme
Programme Code: ALIS91

For Regular, Part-time and External Candidates
(For students admitted from the academic year 2019-2020)

COURSE-1: RESEARCH METHODOLOGY

Learning Objectives:

- LO1: To understand the fundamentals of Research Methodology.
- LO2: To enable the students to understand the research concepts and various problems.
- LO3: To enable the students to get familiarities with the sampling techniques.
- LO4: To enable the students to understand and define the right hypotheses.
- LO5: To train the students to know the right methods of drafting research reports.

Unit-1: Introduction to Research

Introduction, Meaning, Concept, Characteristics, Types : Pure, Applied, Action and Inter disciplinary-Logic and Scientific Method.

Unit-2: Research Problem and Design

Literature Search and Review of Literature - Research Problem : Identification, Selection and Formulation of a Research Problem-Factors influencing selection of problems-Statement of Problems : Aims, Objectives, Purpose, Scope and Limitations – Research Design : Concept, Meaning, Definition , Need , Features , Categories : Explanatory , Diagrammatic, Descriptive, Experimental Design.

Unit-3: Sampling and Data collection

Sampling : Definition, Population, Sample ,Steps in Sample Design, Criteria for selective a sample procedures , Characteristics of Good Sampling, Sampling Techniques. Data Collection: Data Sources : Primary Sources, Secondary Sources, Data Collection Methods : Questionnaire, Survey, Observations, Interview Schedule, Case Study.

Unit-4: Hypothesis and Data Analysis

Hypothesis : Definition, Types and Relevance, Testing of Hypothesis. Data Analysis : Problem Measurement - Reliability, Validity. Data Analysis: Analysis and Interpretation-Statistical Tool and Techniques-Application Packages-Measures of Central Tendency, Frequency Distribution, Parametric and Non Parametric - Chi-Square, ANOVA, Z-Test, t-test, Correlation and Regression etc.

Unit-5: Report Writing

Planning, Style and Structure-Documentation-Presentation-Citation Standards: APA-MLA - Chicago – Plagiarism and Copy Right.

Text Books:

1. Gowswami. Research Methodology in Library and Information Science. New Delhi: Commonwealth, 1995.
2. Kothari. Research Methodology, New Delhi: Eastern Wiley, 1995.
3. Young, Pauline. Scientific Social Surveys and Research, New York: Prentice Hall, 1982.

Supplementary Readings:

1. Goode, W.J. and Hatt, P.K. Methods in Social Science. New York: McGraw Hill, 1985.
2. Kerlinger, Fred, ed. Foundation of Behavioural Research: Education and Psychology. New York, 1964.
3. Ravichandra Rao, I.K. Quantitative Methods in Library and Information Science, New Delhi: Willey, 1983.
4. Santhosh Gupta, Research Methodology and Statistical Techniques, New Delhi: Deep and Deep Publication, 2000.
5. Saravanavel. Research Methodology, Allahabad: Tajmahal, 1994.
6. Segha, R.L. Statistical Techniques for Librarians, New Delhi: Ess Ess Publication, 1998.
7. www.swayam.gov.in,
8. www.inflibnet.ac.in

Course outcomes:

At the end of the course the students able to able to

- CO1: acquire knowledge on fundamentals of social science research
- CO2: recognize various components research design
- CO3: conceive knowledge on various methods of data collection
- CO4: apply and measure data processing and analysis
- CO5: acquire knowledge on report writing

Outcome Mapping

CO/PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	✓	--	--	✓	--	--	✓	✓	--	✓	✓	✓	--	--	✓	✓
CO2	✓	-	-	✓	-	-	✓	✓	-	✓	✓	✓	-	-	✓	✓
CO3	✓	-	-	✓	-	-	✓	✓	-	✓	✓	✓	✓	✓	✓	✓
CO4	✓	-	-	✓	-	-	✓	✓	-	✓	✓	✓	✓	✓	✓	✓
CO5	✓	-	-	✓	-	-	✓	✓	-	✓	✓	✓	-	-	✓	✓

COURSE-2: PARADIGM SHIFT IN LIBRARY AND INFORMATION SCIENCE

Learning Objectives

- LO1: To enable the students to understand the electronic media and information analysis
- LO2: To enable the students to know about IPR
- LO3: To enable the students to understand the concepts of ISB
- LO4: To enable the students to acquire knowledge on application of TQM in libraries
- LO5: To enable the students to gain knowledge on bibliometric techniques

Unit-1: Information Analysis and Electronic Media

Concept & Meaning of Electronic Media-Databases-Bibliographic, Full Text, Statistical, Multimedia, Online-Electronic Information Resources-Dublin Core and Metadata.

Unit-2: Intellectual Property Rights

IPR Act, Right to Information Act-Concept of freedom, Censorship, Data Security and Fair use-IT Act-Indian Copy Right Act – Plagiarism.

Unit-3: Information Seeking Behaviour

Concept - Definition , Need and Importance of ISB , Methods, Criteria for evaluation of ISB.

Unit-4: Management

TQM: Definition, Concept, Element, Technology Management, Risk Management.- Contingency Management-Change Management-Marketing of Library and Information Services, RFID.

Unit-5: Bibliometrics Techniques

Concept - Definition – Theories and Laws – Qualitative and Quantitative Techniques
Citation - Scientometrics – Informetrics – Librametrics.

Text Books:

1. Brophy, Peter and Courling Kote, Quality Management for Information and Literacy Management, Bombay: Jaico, 1997.
2. Eisenberg, Michael, Information Literacy: Essential skills for the Information Age. Westport publ.: Libraries Unlimited, 2005.
3. Evans, Edward, G. ed. Management Information Systems. New Delhi: S.Chand &co., 1986.

Supplementary Readings:

1. Katz, WA collection development selection of materials for libraries, New York: HRW. 1980.
2. Martino, R.L. Information Management: Dynamics of Management Information Systems. New York: McHill, 1969.
3. Medick, Robert, G. et.al. Information systems for modern management. New Delhi: Prentice Hall, 1992.
4. Narayana, G.J. Library and Information Management. New Delhi: PHI, 1991.
5. Paliwal, P.K. Compendium of Library Administration. New Delhi: EssEss.2000.
6. Parker, Charles and Café. Thomas. Management Information Systems: Strategy and Action. New York: McGraw Hill, 1993.
7. Stuert, Robert, D and Moran, Barbara B. Library and Information Centres Management. Colorado: Libraries unlimited, 2004.
8. www.swayam.gov.in,
9. www.inflibnet.ac.in

Course outcomes

At the end of the course the students able to able to

CO1: understand the electronic media and information analysis

CO2: know about IPR

CO3: understand the concepts of ISB

CO4: acquire knowledge on application of TQM in libraries

CO5: gain knowledge on bibliometric techniques

Outcome Mapping

CO/ PO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	✓	--	--	✓	--	--	✓	✓	--	✓	✓	✓	--	--	✓	✓
CO2	✓	-	-	✓	-	-	✓	✓	-	✓	✓	✓	-	-	✓	✓
CO3	✓	-	-	✓	-	-	✓	✓	-	✓	✓	✓	✓	✓	✓	✓
CO4	✓	-	-	✓	-	-	✓	✓	-	✓	✓	✓	✓	✓	✓	✓
CO5	✓	-	-	✓	-	-	✓	✓	-	✓	✓	✓	-	-	✓	✓