

MANGALORE UNIVERSITY
Department of Library and Information Science
Master of Library and Information Science

LSH503: RESEARCH METHODS IN LIBRARIANSHIP

Objectives:

- To familiarize students with concepts and types of research
- To study research design
- To know the research techniques and tools
- To understand the research methods and process
- To familiarize students with the fundamentals of Bibliometrics, Scientometrics, Informetrics and Webometrics
- To understand data analysis and interpretation
- To develop the skills of report writing

Course Outcome (CO):

- CO1 Familiar with theory and practice of research and its methodology.
- CO2 Familiar with identifying research problems and doing subject literature research.
- CO3 Aware of developing research design, sample size and research instrument for data collection.
- CO4 Understanding the mode of data collection and data analysis
- CO5 Knowing on using statistical tools and techniques for data analysis and interpretation of research findings
- CO6 Aware of methods of presenting and reporting research findings.
- CO7 Knowing fundamentals of Bibliometrics, Scientometrics, Informetrics and Webometrics

- Unit 1 : Research: Concept, Meaning, Need and Process of Research; Types of Research – **08hrs**
Fundamental and Applied including inter disciplinary and multidisciplinary approach;
Role of Research in the Development of Scholarship. Ethics in research. Areas of
research in LIS.
- Unit 2 : Research Design: Conceptualization and Operationalisation; Types of Research Design; **08hrs**
Identification and Formulation of problem; Hypotheses; Nominal and Operational
Definition; Designing Research Proposal; Ethical aspects of Research; Literature search
– print, non-print and electronic sources.
- Unit 3 : Research Methods: Scientific Method; Historical Method; Descriptive Method; Survey **06hrs**
Method and Case Study Method; Experimental Method and Delphi Method.
- Unit 4 : Research Techniques and Tools: Questionnaire; Schedule; Interview; Observation; **06hrs**
Scales and check lists; Library and Record and Reports; Sampling Techniques.

- Unit 5 : Data Analysis and Interpretation: Descriptive Statistics – Measure of Central Tendency; Co-relation, Mean, Mode, Median, Tabulation and Generalization; Measures of dispersion, Variance and covariance, Standard Deviation; Graphical presentation of data – Bar, pie, line-graphs, Histograms; Regression – linear and non-linear; Chi Square Test; Sociometry; Statistical Packages – SPSS and its variations. **08hrs**
- Unit 6 : Bibliometrics, Scientometrics, and Informetrics: Concept and Definition; Bibliometric Laws: Bradford's, Zipf's, Lotka's; Bibliographic Coupling; Obsolescence; Citation Analysis; Citation Studies; Informetrics; Scientometrics, Webometrics. **08hrs**
- Unit 7 : Research Reporting: Structure and components, Style, Contents; Guidelines of Research Reports; Style Manual – Chicago – MLA-APA; E-Citation and Methods of Research Evaluation. **06hrs**

References:

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2. Mohsin , SM: Research Methods in behavioural Sciences ,Kolkatta Orient Longman, 1984.
3. Sharma , RN & Sharma, RK: Research methods in Social Sciences, Bombay, Media Promoters & Publishers Pvt. Ltd., 1987.
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5. Stevens , RE . Ed: Research Methods in Librarianship, London, Bingley 1971.
6. Wilson , EB: Introduction to scientific Research , New Delhi, Mc- Graw Hill, 1952.
7. Young, PV: Scientific Social Surveys and research, Ed 4, New Delhi, Prentice Hall, 1982.
8. Charles, H. et.al.: Research methods in librarianship: Techniques and interpretations, New Delhi: Sage, 1993.
9. Fowler, F.J.: Survey research methods. New Delhi: Sage, 1993.
10. Goode, W.J. and Hatt, P.K.: Methods in social Science research. New Delhi: McGraw Hill, 1986.
11. Krishan Kumar: Research methods in Library and Information Science. New Delhi: Vikas,1992.
12. Krishnaswami, O.R.: Methodology of Research in Social Sciences. Bombay, Himalaya, 1993.
13. Leddy, P. D.: Practical research: Planning design. London: Clive-Bingley, 1980.
14. Line, M.B.: Library surveys, London: Clive Bingley, 1967.
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16. RavichandraRao, I.K.: Quantitative methods for Library and Information Science. New Delhi: Wiley Eastern, 1985.
17. Slater, M.: Research methods in Library and Information studies. London: L.A., 1990.