



Masters of Library & Information Science (Library and Information Science)
MLISc. Semester II

Course Code	PA02CLIB53	Title of the Course	Research Methodology and Statistical Techniques
Total Credits of the Course	5	Hours per Week	5
Course Objectives:	<ol style="list-style-type: none">1. To understand methodological way of inquiring leading to research.2. To develop a skill to identify an analytical and logical way of explorations.3. To identifies the organization and planning of deliberated inquiry/research4. To familiarize with tools and techniques of academic research5. To acquainted with the skillset of statistical application for research6. To practice on research report writing and scholarly publication7. To know the world of scholarly publication and its matrices		

Course Content		
Unit	Description	Weightage* (%)
I	Research: Concept, Meaning and Process of Research Types of Research-Fundamental and Applied including interdisciplinary and Multi-disciplinary approach. Research and development of scholarship. Trends in LIS Research Research Design: Conceptualization and operationalization Types of research design. Identification and formulation of problem. Hypothesis: nominal and operational definition. Designing research proposal. Literature review	25
II	Research Methods & Techniques: Scientific methods Historical methods Descriptive methods Survey methods and case study methods. Experimental methods and Delphi methods. Data collection techniques Questionnaire Interview Observation schedules	25
III	Data analysis and Interpretation Scaling and Measurements Descriptive static-measures of central tendency mean, mode and median Classification and tabulation Measurement of dispersion. Variance, and covariance Standard deviation Graphical presentation: Bar diagram. Line graph, Histograms, Pie-chart. Testing of Hypothesis : Z-T test, Chi-square test Use of IT in Data Analysis: SPSS[Overview]	25



IV	Research Reporting Synopsis Structure, style, concepts Guideline for research reporting Style manuals: Chicago-MLA-APA etc. Citation & methods of Research evaluation. Impact Factor, h-index Ethical aspects of research. Plagiarism	25
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Teaching- Learning Methodology	Classroom Teaching Seminar, Assignment Dissertation/Project work/Practical (Book Review, Review of Published Research Papers)
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Evaluation Pattern		
Sr. No.	Details of the Evaluation	Weightage
1.	Internal Written / Practical Examination (As per CBCS R.6.8.3)	15%
2.	Internal Continuous Assessment in the form of Practical, Viva-voce, Quizzes, Seminars, Assignments, Attendance (As per CBCS R.6.8.3)	15%
3.	University Examination	70%

Course Outcomes: Having completed this course, the learner will be able to	
1.	Identifies the difference between Craftsmanship and Creativity in Research
2.	Differentiate the typology of Research – Discipline wise, Content wise, Approach Wise
3.	Prepare to be a research scholar using different problem of study
4.	Apply ethical sense in Research pursuance.
5.	Understand and apply statistical methods to scale up the research problem
6.	Explain the basics of research its methods, types and design.
7.	Interpret various data collection, analysis and interpretation techniques.
9.	Discuss about basics of research reporting and prepare a research report.



Suggested References:

Sr. No.	References
1.	Busha (Charles H). "Research Methods" In Encyclopedia of Library and Information Science.Vol.25, 254-293; Kent, Allen, Harold And Daily, Jay Sd. New York: Marcel Dekker.
2.	Connaway, L. S., & Powell, R. R. (2010). <i>Basic research methods for librarians</i> . ABC-CLIO.
3.	Gopal, M. H. (1970). <i>An Introduction to Research Procedure in Social Sciences</i> . Asia Publishing House.
4.	Grogan (D T). <i>Science and Technology and Information to Literature</i> .
5.	Goode, W. J., & Paul, K. (1952). <i>HATT, Methods in Social Research</i> .
6.	Kawatra, P. S. (2000). <i>Textbook of information science</i> . APH Publishing.
7.	Krishna Kumar. (1992) <i>Research Methods in Library and Information Science</i> .Vikas.
8.	Line, M. B. (1982). <i>Library surveys; an introduction to the use, planning procedure and presentation of surveys</i> (No. 04; C, Z665 L5.).
9.	Ravichandara Rao, I. K. (1985) <i>Qualitative Methods for Library and Information Science</i> . Wiley Eastern.
10.	Simon, J. L. (1989). <i>Basic Research Methods in Social Science: The Art of Empirical Investigation</i> .
11.	Simpson (Is). <i>Basic Statistics for Librarians</i> , 1988.
12.	Stevens (Rolland E). <i>Research Methods in Librarianship</i> , London, Bingley, 1971.
13.	Warb (Patricia Layzell) Ed. <i>Introductory Guide to Research in Library and Information Studies in the UK</i> London Library Association, 1975.

On-line resources to be used if available as reference material

On-line Resources

Goddard, W. and Melville, S., 2004. *Research methodology: An introduction*. Juta and Company Ltd.

Link:

https://books.google.com/books?hl=en&lr=&id=bJQJpsU2a10C&oi=fnd&pg=PA1&dq=Research+Methodology&ots=Xuo5TdBT9i&sig=upyf5A1gknXuxBI_VIWAOZ9458E

