

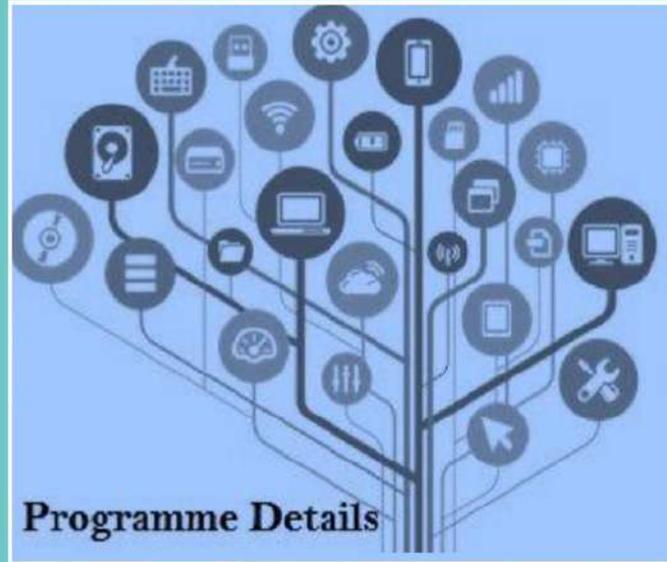
ಮೈಸೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ



University of Mysore

(Estd.1916)

Ph.D in LIBRARY AND INFORMATION SCIENCE





UNIVERSITY OF MYSORE

Department of Studies in Library and Information Science

Manasagangotri, Mysuru-570 006

PH.D. in LIBRARY AND
INFORMATION SCIENCE

Regulations and Syllabus

Ph.D. in LIBRARY AND INFORMATION SCIENCE


Dr. N. S. Harinarayana
Professor

Dept. of Library & Information Science
University of Mysore
Mysuru - 570 006

UNIVERSITY OF MYSORE
GUIDELINES AND REGULATIONS LEADING TO
PH.D. IN LIBRARY AND INFORMATION SCIENCE

Programme Details

Name of the Department Science : Department of Studies in Library and Information
Subject : Library and Information Science
Faculty : Science
Name of the Programme : Ph.D.

Syllabus for Ph.D. Course Work in Library and Information Science

The course work shall be the following pattern (as per 6.1 of Ph.D regulations – 2017)

Sl. No.	Course Title	Credits in L:T:P	Credit Value	Formative Assessment Marks	Summative Assessment Marks	Total marks	Minimum to be scored for successful completion
1	Research Methodology	2:3:0	5	30	70	100	50
2	Literature review in the area of research	1:4:0	5	30	70	100	50

Formative assessment and Summative assessment

Paper 1 - Research Methodology:

The performance of the candidate shall be assessed in continuous mode based on the performance in tutorials/ seminars/ assignment/ practical - practice sessions/ discussions / review test(s). The duration of the main theory examination will be 3 hours.

Paper 2 - Literature review in the area of research:

N. S. Hanige

The performance of the candidate shall be assessed in continuous mode based on identifying a broad area for research and making a proposal, justifying the need and tracing the motivation and relevance, Material / Literature collection, discussion and seminar, Preparation of a draft report, identifying an approximate statement of the research problem and discussion. The summative assessment is based on Report and Formal presentation and defence.

Programme Outcomes

The students who completes this programme will be able to:

- identify the current trends of research and profession in LIS
- justify the area of research chosen by them,
- identify and apply the concepts, theories, models, research techniques and other facets required for their ensuing research area,
- identify the literature and databases suitable for their research work,
- envisage and appreciate the possible challenges in their area of research, and
- come out with research proposal with suitable research design.

Paper 1 – Research Methodology

Course Outcomes

The students who completes this programme will be able to:

- acquire skills required to identify the knowledge gaps in any given area of research in their domain,
- conduct research review in the area of their research,
- acquire the ability to formulate the research topic, hypotheses, and research design,
- demonstrate the ability to choose and apply appropriate statistical techniques,
- use the statistical packages required for their research,
- improve their skills in the presentation of data and findings using appropriate tables, graphs, charts and other methods, and
- effectively apply the citation styles for in-text and bibliographical references.

N.S. Hanif

Pedagogy

- Lecturing and demonstrations are the major methods used.
- Hands-on method is used to apply statistical techniques and use statistical packages.
- Learning through exploring the past research work in their specified fields.

UNIT WISE CONTENTS

Unit-1

Research: Meaning, Definition, Purpose. Types of Research. Steps in Research Process. Criteria of Good Research. Research Ethics- Importance, Principles/ Guidelines. Major Ethical Issues. Ethics Committees. Publication Ethics. Concept of Academic Integrity. Avoiding Plagiarism. Plagiarism Detection Tools. Intellectual Property Right, Copyright, Indian Copyright Act.

Identification and Formulation of Research Problems. Literature Review: Its Purpose and Objectives in Research. Organizing the Related Literature. Sources and Search Techniques. Formulation of Hypothesis. Research Design. Writing Research Proposals.

Unit-2

Research Methods, Tools and Techniques in Library and Information Science research. Qualitative & Quantitative Methods: Surveys - Use of Primary and Secondary Documentary Sources, Interviewing, Focus Groups, Case Studies, Diaries, Observation, Evaluation, Delphi Method, Discourse Analysis, Visual Analysis, Analysis of Records (bibliometrics, system logs, content analysis) and Experimentation. Interviewing Techniques, Questionnaire Design. Variables, Samples and Sampling Techniques. Validity, Reliability and Representativeness of Data.

Measuring Scientific Productivity: Citation Databases, Impact Factor and its variants, h-index, SNIP, SJR. Unique Author Identification Systems.

Unit 3

Processing and Analysis of Data: Scales of Measurement, Measures of Central Tendency and Dispersion, Correlation and Regression Analysis. Testing of hypotheses. Chi- square Test, z-test, t-test, and Goodness-of-fit test. Level of Significance and Confidence Intervals. Multiple Regression Analysis, Factor Analysis, Discriminant Analysis. Analysis of Variance and Co-

N.S. Hanif

variance. Curve Fitting. Introduction to the Statistical Packages: PSPP / SPSS/ R/ Excel. Validation of Data. Interpretation and Presentation of Data- Graphical and Tabular, Frequency Tables, Histogram, Frequency Curves.

Unit 4

Research Reporting and Thesis Writing: Structure, Components & Guidelines. Style Manuals. Functions & Features of Reference Management Systems. Practical Familiarity with APA Style Manual and one of the Reference Management Systems such as Mendeley & Zotero. Presentation of Research Reports: Use of Visual Aids. Importance of Effective Communication of Research. Writing Research Papers for Journals, Seminars and Conferences. Evaluation of Research Reports and Scientific Papers.

References

- Anthony, M., Graziano, A.M. & Raulin, M.L. (2009). *Research methods: A process of inquiry*. Allyn and Bacon.
- Busha, C. and Harter, S.S. (1980). *Research methods in librarianship: Techniques and interpretation*. Orlando, Academic press.
- Charles, H. et.al. (1993). *Research methods in librarianship: Techniques and interpretations*, New Delhi: Sage.
- Connaway, L. S. & Powell R. R. (2010). *Basic research methods for librarians (Ed.5)*. Libraries unlimited. California.
- Day, R.A. (1992). *How to write and publish a scientific paper*, Cambridge University Press.
- Fink, A. (2009). *Conducting research literature reviews: From the Internet to paper*. Sage Publications
- Garg, B.L., Karadia, R., Agarwal, F. & Agarwal, U.K. (2002). *An introduction to research methodology*, RBSA Publishers.
- Glootenberg, A. (2013). *Research methodology in library and information science*. Uxbridge, Koros.
- Goode, W.J. & Hatt, P.K. (1982). *Methods in social research*. McGraw-Hill, New York.
- Kumbhar, R. (2014). *Library and information research: Methods and techniques*. Pune, Universal Prakashan

N.S. Hantye

Leedy, P.D. & Ormrod, J.E. (2004). *Practical research: Planning and design*, Prentice Hall.

Roig, M. (2006). *Avoiding plagiarism, self-plagiarism, and other questionable writing practices: A guide to ethical writing*.

Satarkar, S.V. (2000). *Intellectual property rights and copy right*. Ess Ess Publications.

Sinha, S.C. & Dhiman, A.K. (2002). *Research methodology*. Ess Ess Publications. 2 volumes.

Wadehra, B.L. (2000). *Law relating to patents, trademarks, copyright designs and geographical indications*. Universal Law Publishing.

Willemese, I. (2009). *Statistical methods and calculation skills (Ed. 3)*. Juta. Cape Town.

N.S. Hanjra

N.S. Hanjra

Paper 2: Literature review in the area of research

Course Outcomes

The students will be able to:

- conduct literature review on the topic selected,
- critically evaluate the past literature,
- identify the important researchers, sources, works, institutions, methods, limitations, and trends in the chosen area,
- compile accurate and qualitative bibliography, and
- substantiate with suitable reasoning the area chosen by them for research work.

Pedagogy

- Discussion is the main method employed.
- Hands-on with databases for searching literature.
- Group interaction with research students in the department.
- Exploring the theses and dissertations from ETD portals.
- Self-directional learning (SDL) is emphasised in this course.

In this paper the research candidates have to:

1. Select a topic for research duly in consultation with his/her guide.
2. Identify the appropriate databases for literature survey and compile a working bibliography by adopting standard referencing style.
3. Prepare a comprehensive and critical review of the literature highlighting the growth, development, evolution and landmarks in the area of research. The review should result in identification of gaps in the existing literature and should form the basis to present the novelty, significance and need for the study. The objectives, methodology and findings of the earlier studies shall be examined in the context of the research topic chosen by the researcher.

N.S. Haniffa