

**Department of Library and Information Science
Veer Narmad South Gujarat University, Surat
(With effect from Academic Year 2013-14)**

Ph.D. Course Work in LIBRARY AND INFORMATION SCIENCE

Paper-1 RESEARCH METHODOLOGY

Course Objectives:

1. Familiarity with various methods of conducting empirical research.
2. Familiarity with importance research and concepts.
3. Ability to assess the benefits of research applied to social sciences.

Course Contents:

- | | |
|--------|--|
| Unit-1 | <p>Basic Research</p> <ul style="list-style-type: none"> - Research-definitions, types of research - Identification and formulation of research problem - Hypothesis - Review of literature and its preparation - Research ethics. |
| Unit-2 | <p>Research Methods</p> <ul style="list-style-type: none"> - Historical Research - Descriptive Research – Survey Research - Experimental Research - Delphi Method - Brainstorming - Case Study - Scientific research and its components |
| Unit-3 | <p>Data collection Methods / Tools</p> <ul style="list-style-type: none"> - Sampling and types of samples - Questionnaire - Interview - Observation - Secondary data analysis - Primary data analysis - Content analysis - Citation analysis - Scientometrics, Webometrics - Qualitative techniques - Statistical Analysis and Presentation of Data - Data Analysis - Presentation of data - Use of statistical packages – Excel, SPSS |

- Unit-4 Report Writing
- Current trends in LIS research
 - Structure and components of scientific reports
 - Layout, structure, presentation of tables, figures and illustrations
 - Bibliography, referencing and footnotes.
 - Style manuals-APA, MLA and Chicago

Reference Books

1. M.L.I.Sc. Guid – Prhalad Sharma
2. Research And Statistical Techniques In Library And In Information Science– M.S. Negi
3. Research Methodology for Library Science – B.D. Pandya
4. Research Methodology in Library Science – Intder Mohan Goswami
5. Research Methodology in Library School & Indian Universities- Nirajan
6. Fundamental Concepts of Research (Research Handbook)-Dr.R.S. Patel
7. Research in Library and Information Science. Devarajan,G. New Delhi: Ess Ess,2002.
8. Research Methodology:Models and Techniques. Kothari,C.R. New Delhi:Vishwa Prakashan, 1996.
9. Research Methods in Library and Information Science, New Delhi: Vikas,1992.

Gujarati Reference Books

- ૧ સંશોધન પદ્ધતિ. લે. એલ.આર.યાજ્ઞિક
- ૨ સંશોધન પદ્ધતિઓ અને પ્રવિધિઓ. લે. દેસાઈ હરિભાઈ અને દેસાઈ કૃષ્ણકાન્ત
- ૩ સંશોધન પદ્ધતિઓ. લે. શાહ એન્ડ દવે જે.કે.
- ૪ સામાજિક સંશોધન પદ્ધતિઓ. લે. દેસાઈ અરવિંદભાઈ
- ૫ શિક્ષણ અને સામાજિક વિજ્ઞાનોમાં સંશોધનનું પદ્ધતિશાસ્ત્ર. લે. ડી.એ.ઉચાટ

Paper-II Information Technology Application (Theory and Practical)

Course Contents:

- Unit-1 Basics of Computer
- Historical Development of Computer
 - Types of Computer Generations
 - Operating System - DOS, Windows-Unix-Input/Output Devices
 - System Hardware and Software
 - System Software and Application Software

- Unit-2 Information Technology
- IT meaning definitions importance and Computer Technology
 - Communication Technology and Types of Communication Technology
 - Telecommunication Technology
 - Computer Network and Types of Network
- Unit-3 Library Automation and Library Networks
- Planning of Implementation of Library Automation
 - Library Automation (Needs, Requirements, Features and Objectives)
 - Planning of Implementation of Library Automation
 - Automation Necessary Hardware and Software.
 - Computer Application in Library Function and Services
 - Management of Computerized Information Services
 - Database (Meaning, Definition, Features, Database Architecture and DBMS)
 - Library Networks and Resource Sharing in India.
 - Important International Library Network
 - OPAC, Library Management
 - SOUL, Library Management
- Unit-4 Internet
- Internet History, Process of work of Internet
 - Internet Software and Hardware
 - Search on Internet, Search Engines
 - Internet Tools and Services.
 - Internet Service Provider
 - Internet Online Service
 - Video Technology

Reference Books

- 1 Internet for Libraries and Information Centres- M.Paul and Ashok Jambhekar
- 2 Computer Network-Andrew S.
- 3 Computer and Library Services-Somnath Madhav
- 4 Information Sources and Service Theory and Practice.-PSG Kumar
- 5 Computer in Library and Information Science-Prakash Chandra
- 6 Inlibnet SOUL Manual
- 7 Fundamentals of Computers. Rajaraman V., New Delhi, PHI
- 8 Library Automation. Ravichandran Rao. New Delhi: Wiley Eastern.

Paper-III CURRENT TRENDS IN LIBRARY AND INFORMATION SCIENCE

- Unit-1 Information Literacy
- Concepts and meaning
 - Library orientation
 - Information Literacy Models and Standards
 - Technology Literacy
 -
- Unit-2 Intellectual Property Rights
- Copyright, Patents, Trademarks, Industrial Designs,
 - Geographical Indications, Trade Secrets
 - IPR Acts and Regulations in India
 - Plagiarism, softwares
 -
- Unit-3 Review of Research Oriented Databases
- Goole Scholar, SCOPUS, SCIRUS, Web of Knowledge, SCIVerse, SCIMago, UGC Infonet, Vidyanidhi, LISA, LISTA, DOAJ
- Unit-4 Digital Libraries and Digitization
- Introduction to digital libraries, Historical Development of Digital Library, Need, Purpose, Use, Advantage and Disadvantage
 - Component of Digital Library. Hardware components required for Digitization, Software components required for digitization
 - Digital E-Library Resources, Electronic Publishing Digital Library Services, Internet and Digital Library Services.
 - Digitization of Library Resources undertaking requirement for digitization, Human Resources Development required for digitization process of digitization
 - Major Problems, issues and challenge in Building Digital Library
 - Storage Media of Digitization and preservation
 - Standards, Protocols and Formats for Digital Library.
 -
- Unit-5 Resource Sharing and Consortia
- Resource Sharing
 - Historical Development Need for Resource Sharing
 - Tools for Resource Sharing
 - Barriers
 - Library Consortium – Concepts-Need-Types of Consortium
 - Consortium Initiatives in India
 - INDEST Consortium and UGC-Infonet Consortium

Reference Books

- 1 Management of Library Information Services. New Delhi, Rajat Publications.

- 2 Introduction to Digital Libraries. Chowdhary,G.G. London:Facet,2003.
- 3 Digital Copyright. Pedley. London: Facet,2005
- 4 Intellectual Property Rights Key to Newwealth.NRDC Aesthetic Pvt.Ltd., Initial Publishing, 2001.
- 5 Intellectual freedom in digital libraries. Krishnan Gopal. New Delhi:Authorspress, 2001.
- 6 Intellectual Property Rights. Edited by Bibek Debroy. Delhi: B.R.Pub.Corp.,1998.
- 7 Managing Intellectual Property:The Strategic Imperative. Vinod V.Sople. New Delhi: PHI,2006

NOTE:

Assessment will be done on the basis of Seminar, term paper, review of literature and presentations. Assessment will also be done through seen/unseen tests.

The entire course work of Ph.D. Programme will be done through lectures, self-study, seminars, assignment, library work, workshop, training programme and presentations.

Passing Criteria:

- 1 Student shall secure a minimum of 50% marks separately in each paper or a course to pass out from 100 marks. The distribution 100 marks in each paper are as follow:

Assignment (10 Marks)	Seminar (10 Marks)	Lectures (10 Marks)	Self Study (Review of Literature) (20 Marks)	Seen/Unseen examination (50 Marks)
--------------------------	-----------------------	------------------------	--	--

- 2 If students fail to secure 50% marks in each paper he/she has to repeat coursework in concern paper.
- 3 The Course will be offered during regular days/Sunday's/holidays depends upon the convenience of resource person.