Ph D Course Work Syllabus

PAPER I: RESEARCH METHODOLOGY IN LIBRARY AND INFORMATION SCIENCE

Unit-1: Introduction to Research Methodology

- Research Problem and Research Design
- Formulation of Hypotheses

Unit-2: Research Methods in LIS

- Types of Research Methods: Quantitative and Qualitative
- Research Techniques and Tools: Questionnaire, Interview, Observation, Schedule, Check-list, Library Records and Reports.
- Metric Studies in LIS

Unit-3: Data Analysis and Interpretation

- Data Analysis: Statistical Methods
- Data Analysis : Computer Processing
- Interpretation and Presentation of Results

Unit-4: Report Writing

- Research Report Writing
- Style Manuals
- IPR and Plagiarism

Reference Books:

1. **CONNAWAY (L S) & POWELL (R R).** Basic research methods for librarians (Ed.5), (2010) Libraries unlimited. California.
2. **GLOOTENBERG (A).** Research methodology in Library and information science, (2013) Uxbridge: Koros.
3. **GOODE (WJ) and HATT (PK):** Methods in social research. McGraw-Hill, (1982) New York.
4. **KOTHARI (C R).** Research methodology: Methods & Techniques (Rev. Ed.), (2006) New Age International. New Delhi.
5. **ROIG (M).** Avoiding plagiarism, self-plagiarism, and other questionable writing practices: A guide to ethical writing, (2006)
6. **VAUGHAN (L).** Statistical methods for the information professional: A practical, painless approach to understanding, using and interpreting statistics (Ed. 2), (2004) Information Today, Medord.
7. **WILLEMESE (I).** Statistical methods and calculation skills (Ed. 3), (2009) Juta. Cape Town.

PAPER II: APPLICATION AND TOOLS OF TECHNOLOGIES IN LIBRARY AND INFORMATION SCIENCE

Unit-1: Data Analysis Tools
- Spreadsheet
- SPSS
- Citation Analysis Tools:
  - ❖ Refwork, Mendle etc
  - ❖ Citation Data Bases: Web of Science and Scopus

Unit-2: Citation and Anti- Plagiarism Tools
- Online Citation Tools: EasyLib, Biblio, Endnote etc.
- Anti-Plagiarism Tools: Turnitin, Authenticat, Urkund etc.

Unit-3: Online Data Search
- Advance Search Techniques: Federated Search Systems
- Online Data Systems: Subject Gateways, Institutional Repository, Web Directory etc.

Unit-4: Web Designing and Development of Information System
- Website Designing
- Content Management Systems

Reference Books:

1. **CLYDE (Laurel)**: Weblogs and Libraries (2004) Chandos Publishing, Oxford.
2. **EVANS (Woody)**: Building Library 3.0: Issues in Creating a Culture of Participation (2010) Chandos Publishing, Oxford.
3. **KROSKI (Ellyssa)**: Web 2.0 for Librarians and Information Professionals (2008) Neal Schuman Publishers, New York.
4. **PRIMARY RESEARCH GROUP STAFF**: Academic Library Websites Bench Marks (2008) Primary Research Group, New York.
5. **SPINK (A) & HEINSTROM (J)**. Library and Information Science Trends and Research: Europe (2012) Emerald Group Publishing, Bingley.
6. **ZHANG (LIANG-JIE)**. Web services research for emerging applications: Discoveries and Trends (2010) Information Science Reference, Hiershey.

PAPER   III: ADVANCES IN SPECIFIC RESEARCH AREA

Unit-1: Historical Development in Research Area
- Growth and Development in Research Area
- Contributors in Research Area
- Institutions in Research Area

Unit-2: Trends in Research Area
- Changing Perspective in Research Area
- International Trends in Research Area
- Current State in Research Area

Unit-3: World Literature in Research Area
- Print Information Resources
- Electronic Information Resources
- Selection of Information Sources

Unit-4 Scope and Objectives of Research Area
- Scope of Research Area
- Objectives of Research Area
- Assumptions and Prepositions in Research Area

References:

Note: List of Reference Books will be provided by the concern Teacher.