

RESEARCH METHODOLOGY

Unit-1

Research: Meaning and definitions, Objectives of research, Pure and applied research, Scientific method, Ethics in research, Areas of research in Library and Information Science.

Unit-2

Planning of research: Selection of a problem, Sources of Research problems, Criteria for Selection, Hypotheses : Meaning, Types, Sources and Functions. Research design: Essentials of good research design and its importance. Literature search: Print, non-print and electronic sources.

Unit-3

Research Methods: Historical Method, Descriptive Method, Survey method, Observation method, Experimental method, Case-study Method, Delphi method and Interview method. Research techniques and tools: Questionnaire –types of questions, structured and unstructured. Interview, Observation, Record analysis, Pilot studies, Rating Scales and Check lists.

Unit-4

Sampling and data collection: Sampling techniques, Sample desing, sample size. Sampling and non-sampling errors, Features of good sampling.

Unit-5

Statistical analysis of data: Descriptive Statistics- Measures of Central tendency, Tabulation and Generalization, measures of dispersion, Correlation, Chi-square test. Graphical presentation of data: Line graphs, Charts, Histograms, Frequency polygons, Use of Statistical packages: MS-Excel, SPSS. Research reporting: Organization of report, Structure, Style, Contents, Style Manual: APA. MLA, Chicago. E-Citation. Evaluation of research report.

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Syllabus for Ph.D. Course

[Specialization Paper]

Information and Communication Technology

Unit-1: Information and Communication Technology: Historical development, Components. Internet: Origin, History and Evolution. Internet based library and Information services. Web browsers. Search engines and metasearch engines Search strategies.

Unit 1 - DK

Unit-2: Electronic Publishing and scholarly communication, E-journals and e-books.

Unit 2A -
BNH

Social, economic and legal issues in e-publishing, IPR and copy right issues.

(Digital library: Meaning and Definition, Objectives, Characteristics, Evolution of Digital library collections. Copyright issues in the development of digital library.

Unit 2B - RK

Unit-3: Social networks: Concepts, Web 2.0, Lib 2.0, Tools: Myspace, Wikis, Goggle groups, Applications in libraries

Unit 3 - BNH

Unit-4: Cyber Laws: Electronic Document, Digital Signatures, Digital Certificates, Electronic Contracts, Regulation of Cyber laws, IT Bill 2000 (Govt. of India)

Unit 4 - RB

Unit-5: Universal Resource Locators (URLs): Concept, Decay and Half-Life, Link checkers, URL recovery Tools: Google and Way back machine Open Access, Movement and Institutional repositories, Case study of select digital Libraries and IRS: California digital Library, Alexandria digital Library, Vidyanidhi, Shodganga.

Unit 5A - SK

Unit 5B -RK

SK: Prof. B T Sampath Kumar

DK: Prof. Keshava

RK: Dr. Rupesh Kumar A

BNH: Dr. B N Hemavathi

RB: Dr. Rajendra Babu H