

SARDAR PATEL UNIVERSITY
M. PHIL IN LIBRARY & INFORMATION SCIENCE
[EFFECT FROM: 2018-2019]
SEMESTER: II
CBCS Code: MA02CLIB23
RESEARCH METHODOLOGY – II

UNIT-I SAMPLING DESIGN:

- Need for sampling, Fundamental Definitions, Important Sampling Distributions
- Steps in Sampling Design, Census and Sample survey,
- Criteria for Selecting a Sampling Procedure, Characteristics of a good Sample Design.
- Statistical Approach to Sampling: Central limit Theorem, Sadler's A-test
- Concept of Standard Error, Sample size and its Determination
- Determination of Sample size through the Approach Based on Bayesian Statistics.

UNIT-II DATA ANALYSIS AND INTERPRETATION:

- Inferential Statistics Skew ness
- Z-T Test – Correlation
- Regression – Linear & Non-Linear
- Chi Square Test Time Series analysis
- Sociometry
- Statistical Packages – SPSS
- Statistical Graphics Etc.

SELECTED READING LIST:

1. BUSHA (Charles H) and HARTER (Stephen P). Research Methods in Librarianship: Techiques and Interpretation. New York: Academic Press, 1980.
2. BUSHA (Charles H): Research Methods. Ill Encyclopedia of Library and Information Science. V01.25 254-293; Kent, Allen and Harold ed. New York: Marcel Dekker.
3. GOPAL (M.H.): An Introduction to Research Procedure in Social Science. Bombay: Asia, 1964.
4. GROGAN (D.T.): Science and Technology and Information Literature.
5. GOODE (William) and HAIT (Paul K): Methods in Social Research. New York: Mac-graw Hill, 1952.
6. KUMAR (Krishna): Research Methods in Library and Information Science. New Delhi: Vikas, 1992.
7. MAURICE (B.Line): Library Surveys: An Introduction to the use, planning, procedure and presentation of surveys. 2nd ed. London: Bingley, 1982.
8. RAVICHANDRA RAO (I.K.): Qualitative Methods for Library and Information Science. New Delhi: Wiley Eastorn, 1985.
9. SEETARA. Current Research in library and information science. Y.K. Publishers.
10. Solomon (I.L.) Basic Research Methods in Social Sciences, 1989



I/C. Head
Dept. of Library & Information Science
Sardar Patel University
Vallabh Vidyanagar-388 120

11. Basic Statistics for Librarians, 1988.
12. STEVENS (Ronald E): Research methods in Librarianship London: Bingley, 1971
13. WARD (Patricia Layzell): Introductory Guide to Research in Library and information studies in the UK London Library Associations, 1975.
14. YOUNG (Pauline V): Scientific Social Survey and Research. New Delhi: Prentice Hall, 1984.
15. SEHGAL (R.L.): Applied Statistics for Library Science Research Vol.1 & 2, Ess Ess publication.
16. RAVICHANDRA RAO: Quantitative Methods for library and Information Science, Wiley eastern Ltd.
17. GUPTA (S.P.): Statistical Methods.
18. RAO (I.K.) Workshop on Informatics & Scientometrics, ISI, Bangalore.
19. Nick Moore & Martin Hesp. The Basics of writing reports etc. London: Bingley, 1985.
20. Simpson, J.L. Basic research methods in social sciences. New Delhi. 1969.
21. Powell, Ronald R. Basic research methods for librarians. Nor- Wood: Ablex, 1985.
22. Mary Lee, Bundi. Reader in Research methods for librarianship: Greenwood Press.



I/C. Head
Dept. of Library & Information Science
Sardar Patel University
Vallabh Vidyanagar-388 120

SARDAR PATEL UNIVERSITY
M. PHIL IN LIBRARY & INFORMATION SCIENCE
[EFFECT FROM: 2018-2019]
SEMESTER: II
CBCS Code: MA02CLIB24
**INFORMATION SOURCES, SERVICES, MANAGEMENT OF INFORMATION
SYSTEM - II**

UNIT-1 MARKETING OF INFORMATION PRODUCTS AND SERVICES

- Definition Needs, functions, objectives
- Difference between Marketing & Selling
- Marketing commodity
- Marketing Management, elements of Marketing Mix
- Planning, Market Strategy
- Product Marketing
- Identify needs and design of products, services, costing, publicity, selling and Marketing

UNIT-2 INFORMATION SYSTEMS

- Information System: Objectives and types, functions, and services of different component.
- Introductions of system analysis and design
- System development life cycle
- Management of Information System
- National Information systems NATIS, NISSAT, etc.
- International Inf. Systems INIS, INSPEC, MEDLARS, AGRIS, DEVSIS



I/C. Head
Dept. of Library & Information Science
Sardar Patel University
Vellabh Vidyapeeth-388 120

SELECTED READING LIST:

1. John Cowley, Personnel Management in Libraries. London: Bingley, 1982.
2. Blaise Cronin, Information Management; from strategies to action. London: Aslib, 1985.
3. G.Edward Evans, Management Techniques for Librarians.2nd ed. New york:Academic Press,1983
4. Noragh Jones & Peter Jordan, Staff Management in library and information work.Aldershot: Gower, 1982.
5. Donald Mason, Information Management.Stevenage: peregrines, 1978.
6. Donald W King, ed.Key Papers in the design and evaluation of information systems. White Plains: Knowledge Industry, 1978.
7. Narayan, G.J.Library and Information Management. New Delhi: PHI, 1991.
8. Chapman,Edward A. Pierre,Paul L.St. and Lubans, John, Jr,Library systems Analysis Guidelines. New York: Wiley inter Science, 1970.
9. Bryson,Jo. Effective Library and Information Centre Management Aldershot: Gower, 1990.
10. Roberts,Stephens A. Ed. Costing and the economics of library and information services. London:Aslib,1998.
11. Rizzo,J.R. Management for Librarians : Fundamentals and issues. West Port: Green Wood Press, 1980.
12. Lancaster,F.W. The Measurement and Evaluation of library Services, Washington: Information resource Press, 1977.
13. Lancaster,F.W. If you want to evaluate Library. London: LA,1988.
14. Ellis, Debbie and Norton Bob. Implementing BS5750 ISO9000 in Libraries. London: Aslib, 1993.
15. Underwood,Peter G. Managing change in libraries and information services : A System Approach. London: Clive Bingley, 1990.
16. Maclachlan,Liz. Making project management work for you. London: LA, 1996.
17. Thornhill, Adrians and Others. Managing Change. Delhi: Addison Wiley



I/C. Head
Dept. of Library & Information Science
Sardar Patel University
Vidyanagar-388 120

-
- Longman, 2000.
18. Stephen P. Robbins & David A. Decenzo. Fundamentals of Management. Delhi: Pearson Education, 2001.
 19. Roshan, Raina. TQM in Library & information Services. New Delhi: Infuse, 1999.
 20. V. Rama Raman. Analysis and Design of Information Systems. New Delhi: PHI, 1991.
 21. Elias M Awad. Systems Analysis and Design. New Delhi: Galgotia, 1995.
 22. Barbara Allan. Project Management: Tools and Techniques for Today's LIS Professional. London : Facet Publishing, 2003.
 23. John M Cohn. Planning for Integrated Systems and Technologies: A how to do it Manual for Librarians. 2nd rev.ed. London: Facet Publishing, 2002.



I/C. Head
Dept. of Library & Information Science
Sardar Patel University
Wallabh Vidyanagar-388 120

SARDAR PATEL UNIVERSITY
M. PHIL IN LIBRARY & INFORMATION SCIENCE
[EFFECT FROM: 2018-2019]

SEMESTER: II


CBCS Code: MA01CLIB25

Advances in IT & its Application to Library & Information Science

- Unit-1 Artificial Intelligence, Expert System and Internet of Things (IoT)
- The Turing test, Artificial intelligence fields, Expert system, Areas of Application of AI in LIS
 - Role of AI in IoT, Machine Learning, Big Data
- Unit - 2 Resources Sharing with Website
- RSS: Introduction and Usage, RSS Reader
- CMS (Content Management Systems):
- o Introduction to CMS
 - o Usage (online and offline) and Examples (Word Press, Drupal, Joomla)
 - o Word Press:
 - Installation and Usage
 - Managing Dashboard
 - Features

SELECTED READING LIST

1. Dowling, K. The Electronic Library. New York: Neal Schuman, 1984.
2. Forester's. Ed. The Information Technology Revolution. Oxford Blackwell, 1985.
3. Kelleher, Kathleen & Cross. Thomas B. Teleconferencing: Linking Propel together electronically. Englewood Cliffs: Prentice -Hall, 1985.
4. King, Donald W. Ed. Telecommunications and libraries: A Primer for libraries and information managers. White Plains: Knowledge Industry, 1981.
5. Vervest, Peter. Electronic Mail & Message handling. London: Printer, 1985.
6. Zorkory, Peter and Heap, Nicholas. Information Technology: An Introduction, The Hindu Speaks on Information Technology. Madras: Kasturi & Sons, 1993.
7. Groucher, Phill. Communication & Networks. 2nd ed. New Delhi: Affiliated East-west, 1995.
8. Ric, Elaine and knight, Kevin. Artificial Intelligence. 2nd ed. New Delhi: TMI-t, 1994.
9. Kaul, H.K. Information Networks: An Indian experience. New Delhi: Virgo, 1992.
10. Chad, R.K. and Gupta, S.R. Ed. Information Technology. New Delhi: Santa, 1995.
11. Black, U. Emerging Communication Technologies. New Delhi: PHI, 1994.
12. Jeffcote, J. Multimedia in practice. New Delhi: PHI, 1994.
13. Ford, Nigel. Expert Systems and Artificial Intelligence.
- 14.


I/C. Head
Dept. of Library & Information Science
Sardar Patel University
Vallabh Vidyanagar-388 120

SARDAR PATEL UNIVERSITY
M. PHIL IN LIBRARY & INFORMATION SCIENCE
[EFFECT FROM: 2018-2019]
SEMESTER: II
CBCS Code: MA02CLIB26

- Dissertation / Project



I/C. Head
Dept. of Library & Information Science
Sardar Patel University
Vallabh Vidyanagar-388 120