



(U/S 2(f) and 12B of the UGC Act 1956, NAAC Accredited)

DESH BHAGAT UNIVERSITY, MANDI GOBINDGARH

**Faculty of Library & Information Technology
Department of Library & Information Science**

M. Phil/ Ph. D in Library & Information Science

Program Objective

PO1. Library & Information Science Knowledge: Apply the knowledge of Library & Information Science, fundamentals and specialization to the solution of complex Problems faced by Library Professionals & Library users related to Classification, Cataloguing, Library Automation and other problems.

PO2. Problem formulate and Identifications: Identify, formulate, research literature of Library & Information Science and analyse new challenges & problems in the field of Library to arrive at substantiated conclusions using five Laws of Library & Information Science.

PO3. Design/development of Software Product: Design solutions for complex Library & Information Science problems and design components, processes to meet the specifications with consideration for the multidisciplinary cultural, societal & environmental considerations.

PO4. Analysis of complex problems: Use research-based knowledge including design of experiments, analysis and interpretation of data and synthesis of the information to provide valid conclusions.

PO5. Modern tools usage: To create, select and apply appropriate techniques, resources and modern Library and IT tools including prediction and modelling to complex Library & Information Science activities with an understanding of the limitations.

PO6. The Library Professionals and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the Library Professional practice.

PO7. Environment and sustainability: Understand the impact of the Library professional solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development.

PO8. Proficient Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the Library & Information Science practice.

PO9. Individual and Project team work: Function effectively as an individual and as a member or leader in teams and in multidisciplinary settings.

PO10. Communication expertise's: Communicate effectively with the Library & Information Science community and with society at large. Be able to comprehend and write effective reports documentation. Make effective presentations and give and receive clear instructions.

PO11. Project management and finance: Demonstrate knowledge and understanding of Library management principles and apply these to one's own work, as a member and leader in a team. Manage projects in multidisciplinary environments.

PO12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Semester 1

Course Code: MPHD -101

Title of the course: Research Methodology

L	T	P	Credits	Weekly Load
4	0	0	4	4

Course Outcomes:

At the end of the course, Research Scholar's should be able to:

CO1: To give an advanced exposure to the students about the research and development.

CO2: To familiarize the art and style of writing a research report.

CO3: To introduce the students with various research methods.

CO4: To develop acquaintance with intensive techniques and skills of research process.

CO/PO Mapping (S-Strong Correlation, M- Medium Correlation, W-Weak Correlation)												
CO's	Programme Outcomes (PO's)											
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	S	S	S	W	M	S	M	W	M	M	M	M
CO2	S	M	S	M	M	M	M	W	M	M	M	W
CO3	M	S	M	S	M	M	M	M	M	M	W	S
CO4	M	M	W	M	W	S	M	W	W	W	W	S

Unit I	Research: General: Meaning, need, process Spiral scientific method	3 Hours
	Types of Research: Pure, Applied and Action Research	3 Hours
	Kinds of Research: Diagnostic, Descriptive, Exploratory, Explanatory Research Ethics	3 Hours
Unit II	Typology for Literature search: Typology for Literature search	2 Hours
	Scientific methods: Components of scientific methods	2 Hours
	Formulation of research problems	3 Hours
Unit III	Research Design: Types of research design: Historical design	2 Hours

	Descriptive design, Formation of Hypothesis	3 Hours
	Synopsis Writing	2 Hours
Unit IV	Research Methods: Brief review of general research methods	2 Hours
	Research methods in LIS, Use and user study, Content analysis, Field study,	3 Hours
	Future research: Delphi Techniques	2 Hours
Unit V	Data Collection Techniques: Sampling, Interview	3 Hours
	Observation, Questionnaire	3 Hours
	Bibliometrics, Webometrics	3 Hours
Unit VI	Data Analysis & Interpretation: Geographical & Graphical presentation of Data	4 Hours
	Statistical analysis (measures of central tendency, measure of dispersion regression and correlation, chi-square test) and Statistical package	4 Hours
	Tools of argument (definition, analysis, synthesis, interpretation, inference)	3 Hours
Unit VII	Research Reporting: Structure, style and contents	3 Hours
	Style manuals (Chicago, APA, MLA)	3 Hours
	Citation styles: Footnotes, references	3 Hours
	Evaluation of research	3 Hours
	Current trends in LIS research (Advanced countries, Less-Advanced countries and Global)	3 Hours

Recommended Books:

1. Busha, Charles, H. and Harter, Stephen, S. Research Methods in Librarianship. Techniques and Interpretation. Orlando, Academic press, 1980
2. Charles, H. et.al. Research Methods in Librarianship: Techniques and Interpretations, New Delhi, Sage, 2003
3. Fowler, F.J. Survey Research Methods. New Delhi, Sage, 2013
4. Goode, W.J and Hatt, P.K. Methods in Social Science Research. New Delhi, McGraw Hill, 2016
5. Leddy, Paul. D Practical Research: Planning Design. London, Clive Bingley. 2016
6. Line, M.B. Library Surveys, London Clive Bingley, 1967
7. Nicholas, D and Ritchil, M Literature and Bibliometrics. London Clive Bingley, 2017
8. Ravichandra Rao. I.K Quantitative methods for Library and Information Science, New Delhi, Wiley Eastern, 2005
9. Slater, M. Research Methods in Library and Information Studies. London, L.A, 2010
10. Stevens, R.E. Ed. Research Methods in Librarianship. London, Clive Bingley, 2011

e-books

1. <https://www.pdfdrive.com/research-methodology-methods-and-techniques-e170503040.html>

2. <https://www.pdfdrive.com/principles-and-methods-of-social-research-e157994761.html> by [William D. Crano](#) & [Marilynn B. Brewer](#) & [Andrew Lac](#)
3. <https://www.pdfdrive.com/survey-methodology-e180136510.html> by [Robert M. Groves](#) & [Floyd J. Fowler Jr.](#) & [Mick P. Couper](#) & [James M. Lepkowski](#) & [Eleanor Singer](#) & [Roger Tourangeau](#)
4. <https://www.pdfdrive.com/research-methodology-methods-and-techniques-e185686005.html>
5. <https://www.pdfdrive.com/the-oxford-guide-to-library-research-e188561857.html>

Course Code: MPHD-151

Title of the course : Advances in Library & Information Science

L	T	P	Credits	Weekly Load
4	0	0	4	4

Course Outcomes:

At the end of the course, Research Scholar's should be able to

CO1: To train the Research Scholars to become effective Information managers.

CO2: Acquainting the students with emerging management skills and techniques.

CO3: To study the various inculcate managerial skills in the Research Scholars related to Library & Information Science

CO4: To study the Recent Management Techniques in the field of Library & Information Science

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CO1	M	M	M	S	M	M	W	M	M	M	M	S
CO2	S	M	W	S	M	M	M	M	M	M	M	S
CO3	M	M	M	S	M	M	M	M	M	M	W	S
CO4	M	M	M	M	M	M	M	M	M	M	M	S

Unit I	Schools of Management: Principles of Scientific Management	2 Hours
	Comparative analysis of Recent managerial, philosophies and practices	3 Hours
Unit II	Human Resource Management: Personnel Management and Human Relations	3 Hours
	Communication & Managerial Skills, Crisis & Time Management	3 Hours
Unit III	Financial Management: Space Planning, Strategies & approaches, Planning & Methods	3 Hours
	Planning & Budgeting & Methods of Budgeting	3 Hours
	Cost effective & Cost benefit analysis	3 Hours

Unit IV	Performance evaluation and measurement: Techniques & Methods & Evaluation of Library Services & Products	3 Hours
	SWOT Analysis	2 Hours
	Re-Engineering of Library Services	2 Hours
Unit V	Knowledge Management: Technology Management, Marketing Skill & Techniques	3 Hours
	Collection development policies & procedures (By taking individual libraries i.e. needs based collection development)	3 Hours
	Total Quality Management i.e. TQM	2 Hours
Unit VI	Recent Management Techniques: Out sourcing, Six Sigma, Brain Storming	3 Hours
	Mind Mapping & Other recent techniques	3 Hours

Recommended Books:

1. Brophy, Peter and Courling Kote, Quality Management for Information and Library Managers. Bombay: Jaico, 2017
 2. Bryson, J.O. Effective Library and Information. Bombay: Jaico, 2016
 3. Evans, Edward g. Ed. Management Information Systems. New Delhi S. Chand & Co. 2016
 4. Katz, W.A Collection Development Selection of Materials for Libraries. New York; HRW. 2010
 5. Martino, R.L. Information Management: Dynamics of Management Information Systems. New York. McHill, 2015
 6. McDick, Robert G. Et.al. Information Systems for Modern Management. New Delhi: Prentice Hall, 2003
 7. Paliwal, P.K Compendium of Library Administration. New Delhi: Ess Ess, 2010
 8. Parker, Charles and Café. Thomas. Management Information Systems: Strategy and Action. New York: McGraw Hill, 2000
 9. Pearson, R.J Ed. Management Process: Selection of Reading for Librarians. Chicago: ALA, 2013
 10. Stuert, Robert. D and Moran, Barbara B. Library and Information Centres Management. Colorado: Libraries unlimited, 2004
 11. Narayana, G.J. Library and Information Management. New Delhi: PHI, 1991
1. Five Laws of Library Science: <https://nios.ac.in/media/documents/SrSecLibrary/LCh-004.pdf>
 2. Introduction to open access: <https://www.pdfdrive.com/introduction-to-open-access-e39624227.html>
 3. Human Resources Management Set: Concepts, Methodologies, Tools and Application
<https://www.pdfdrive.com/human-resources-management-set-concepts-methodologies-tools-and-applications-human-resources-management-concepts-methodologies-tools-and-applications-e175226969.html>
 4. Strategic Leadership: <https://www.pdfdrive.com/strategic-leadership-e20852523.html>
 5. Leadership communication: how leaders communicate and how communicators lead in today's: by [Harrison](#) & [E. Bruce](#) & [Mühlberg](#) & [Judith](#)

<https://www.pdfdrive.com/leadership-communication-how-leaders-communicate-and-how-communicators-lead-in-todays-global-enterprise-e157964178.html>

6. Financial Management and Analysis Workbook: Step-by-Step Exercises and Tests to Help You Master:

<https://www.pdfdrive.com/financial-management-and-analysis-workbook-step-by-step-exercises-and-tests-to-help-you-master-financial-management-and-analysis-e158595305.html>