DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE
Ph.D. (Library and Information Science)
(w.e.f. 2019-20)

Course work

Course Code	Course Title		Maximum Weightage: 100%		Credit
			End Semester (in %)	Sessional (in %)	
DPH-101	Research Methodology	Core	70	30	04
DPH-102	Discipline Specific: Optional Paper DPH 102.A Foundations of Library and Information Science DPH 102.B Knowledge Management DPH 102.C Application of Tools and Technologies in Library and Information Science	Discipline Centric Elective	70	30	04
DPH-103	Emerging Trends & Technologies in LIS	Core	70	30	04
DPH-104	Library & User studies	Core	70	30	04
				Total Credits	16

DEPARTMENT OF LIBRARY & INFORMATION SCIENCE
Doctor of Philosophy (Library & Information Science)
(w.e.f. 2019-20)
Ist Semester

Course Code	DPH-101
Course Title	Research Methodology
Type of Paper	Core
Credits	04
Teaching Hours:	48 Hours

Objectives of the Course:
- To know the main streams of research and their applications in LIS.
- To make pursuance research scholars in frontiers of knowledge in library and information science.
- To explain various kinds of research and their application in library and information science.
- To know the basic statistical techniques and their applications in LIS research.

Course Content
Unit-1
- Research: Meaning, Definition, Scope, Concept, Need and Types
- Research Design and Designing Research Proposal
- Review of Literature
- Research Ethics
- Functions of Hypothesis

Unit-2
- Research Methods
- Historical Method, Scientific Method
- Survey Method, Experimental Method
- Case Study Method

Unit-3
- Questionnaire; Schedule
- Interview; Observation
- Sampling Theory: Types of Sampling
- Steps in Sampling
- Sample Size

Unit-4
- Measures of Central Tendency; Mean, Median, Mode
- Presentation of Data: Tabular, Graphic, Bar Diagram and Pie-Charts
- Statistical Data Analysis: Use of Statistical Packages (SPSS)

Unit-5
- Research Report Writing: Structure, Style and Course Content
- Style guides with examples (Chicago, APA, MLA)
- Presentation of Bibliography and References Course Content, Footnotes, citation, Quotations
- Bibliometric Studies: Concept and Definition, Bibliometric Laws and their Applications
- Webometrics, Scientometrics.

Method of Teaching: Lectures, Demonstrations, Brainstorming sessions, and Case studies.

Method of Assessments and weightage: Assignments, seminar presentations, quizzes and written tests.

Recommended Books:
- Goode, William J. and Hatt, Paul K. (1981). Methods in Social Research. Auckland: McGraw Hill.
- Kothari, C.R. (2004). Research Methodology: Methods and Techniques. 2nd ed. Delhi: New Age.
- Krishan Kumar (1998). Research Methods in Library Science. 2nd ed. Delhi: HarAnand.
- Powell, Ronald, R. (1997). Basic research Method for Librarians. 3rd ed. Greenwich: Ablex
- Slater, Margaret (ed). (1990). Research Methods in Library and Information Studies. London: The Library Association.

Course Code	DPH-102 (A)
Course Title	Foundation of Library and Information Science
Type of Paper	Discipline Specific: Optional Paper
Credits	04
Teaching Hours	48 Hours

Objectives of the Course:
- To understand about the origin and development of libraries.
- To understand about the five laws and their implications in ICT era with research orientation.
- To understand details about library legislation and IPR acts with respect to reserach.
- To find out the different types of national /international library organization.
- To get knowledge about professionalism and professional ethics.

Course Content:

Unit-1
- Development of Libraries with special reference to India
- Library and Society
- Different types of Libraries - their distinguishing features, functions, services
- Role of Library in formal and informal education

Unit-2
- Five Laws of Library Science and their implications
- Laws of Library Science in ICT environment
- Professional ethics
- Professional Education and Research

Unit-3
- Information Literacy: Concept, meaning, need; Information Literacy Models; ACR Standards;
- Public Relations and Extension Activities

Unit-4
- National Library Associations - ILA, IASLIC
- International Library Association – IFLA, ALA
- International Library and Information Services Promoters: UNESCO

Unit-5
- Conservation and Preservation: Concept, need; Different types of information materials - their nature and Preservation; Archives -micrographics relation to preservation
- Cultural properties in museums: concepts, definitions, characteristics, importance

Method of Teaching: Lectures, Demonstrations, Brainstorming sessions, and Case studies.
Method of Assessments and weightage: Assignments, seminar presentations, quizzes and written tests.
Recommended Books:
- Kumar, S. (s.n). Public Libraries Act in India. New Delhi: Ess Ess.
- Iyer, V.K. 1999. Public Library System in India. Delhi: Rajat.
- Kumar, P.S.G. 2014. Changing Dimensions of Library and Information Science. New Delhi: Ess Ess.
- Sinha, S. C. 2004. Library Buildings and Furniture: Design and Planning. New Delhi: Ess Ess.

- Ranganathan, S. R. 2008. Library Mannual. New Delhi: Ess Ess.
- Ramaiah, L.S. 1999. Information and Society. New Delhi: Ess Ess.
- Khanna, J. K. 1994. Library and society. New Delhi. Ess Ess.
- Kumar. Krishna.2013. Library Organisation. Krishna Kumar. Noida:Vikas Publishing house Pvt. Ltd.

Course Code	DPH-102 (B)
Course Title	Knowledge Management
Type of Paper	Discipline Specific: Optional Paper
Credits	04
Teaching Hours	48 Hours

Objectives of the Course:

- To acquaint the students with the Library services and products i.e. SWOT Analysis; PERT/CPM etc.
- To understand management aspects in various context.
- To know recent management techniques in the context of management.
- To familiarise students about the review of research oriented databases and various applications.

Course Content:

Unit-1

Evaluations of Library Services and Products: SWOT Analysis; PERT/CPM; Marketing Skill and Techniques; Consultancy; Content Management.

Unit–2

Management Aspects: Total Quality Management (TQM); Institutional Repository; Data mining; text mining; knowledge discovery in databases; Cloud Computing.

Unit–3

Recent Management Techniques: Six Sigma; Benchmarking; Information / knowledge audit; Change management; Content Management.

Unit–4

Review of Research Oriented Databases: Vidyanidhi, INFLIBNET, Thesis and dissertation.com, LISA, LISTA

Unit–5

Application of current trends of Information Technology like Digital Divide, Metadata, Dublin Core, etc. in KM; Information Retrieval System and KM

Method of Teaching: Lectures, Demonstrations, Brainstorming sessions, and Case studies.

Method of Assessments and weightage: Assignments, seminar presentations, quizzes and written tests.

Recommended Books:

- BALAKRISHNAN (S.). Management of Library Information Services. 2001. Ist ed. Anmol Publications Pvt. Ltd. New Delhi.
- KRISHNAMURTHY (R.). Library Management. 1997. Commonwealth Publication. New Delhi.
- KRISHNAMURTHY (R.) Library Administration and Resources. 1997.Ajay. Verma for Common wealth Publishers. Delhi.
- PANWAR (B.S.). Library Management. 1986. B.R. Pub.Co. Delhi.
- PRYTHERCH (Ray). Information Management and Library Science. 1997. Jaico Publishing House. Mumbai.
- SINGH (S. K.). Essentials of Integrated Library Management. 2002. Authors Press. New Delhi.
- MONAPPA (Arun). Personal Management Mirza S. Saiyadain. 1996. 2nd ed. Tata Mc Graw-Hill. New Delhi.

Course Code	DPH-102 (C)
Course Title	Application of Tools and Technologies in Library and Information Science
Type of Paper	Discipline Specific: Optional Paper
Credits	04
Teaching Hours	48 Hours

Objectives of the Course:

- To acquaint the students with the applications of ICT tools and technologies in LIS.
- To make students understand about library consortium.
- To enable the students to differentiate between open access educational and electronic resources.
- To familiarise students about the IPR issues and plagiarism.

Course Content:

Unit-1

- Concept of ICT and its role in the development of LICs
- Cloud computing applications in LICs
- Role of social media in libraries
- RFID technology and its application in libraries
- Internet Security

Unit-2

- Basics of library consortium, need, features and functions.
- Evolution of library consortia.
- Types of consortium- impact and importance in education and research
- Consortium Initiatives in India.

Unit-3

- Introduction to the concept of Digital and Virtual Library
- Hardware and software for digital library
- Collection development of digital library
- Digitization, Archiving, Preservation and Access
- Metadata

Unit-4

- Basics of E-resources, types, features, advantages and limitations
- Open Access Initiatives and Institutional Repository
- Open access electronic resources
- Open access educational resources
- E-Resource Management

Unit-5

- Electronic Publishing, E-Learning
- Concept, development and trends in Intellectual Property
- Indian Copy Right in Digital Environment: Issues and challenges
- Plagiarism and Fair Use
- Digital Object Identifier

Method of Teaching: Lectures, Demonstrations, Brainstorming sessions, and Case studies.

Method of Assessments and weightage: Assignments, seminar presentations, quizzes and written tests.

Recommended Books:

- Andrews, J. (2010). Digital Libraries. London: Ashgate.

- Cornish, G. P. (1990). Copyright interpreting the law for libraries and archives. London: Library Association.
- Dorothy Warner. (2002). Why Do We need to keep this in print? It's on the Web: a Review of Electronic Archiving Issues and Problems. Progressive Librarian, number 19-20.
- Fenner, Audrey (ed.). (2005). Managing Digital Resources in Libraries. New York: Haworth.
- Gopal, K. (2000). Digital Libraries in Electronic Information Era. New Delhi: Authors Press.
- Kent, Allen. (1994). Encyclopedia of Library and Information Science. NY: Marcel Dekker.
- Lesk, Michael. (1996). Understanding Digital Libraries. 2nd ed. San Francisco: Morgan Kaufman.
- Raitt, David. (2000) Digital Library Initiatives Across Europe. Computers in Libraries, 20(10). p. 26.
- Saffady, W. (1995). Digital library concepts and technologies for the management of library collections: an analysis of methods and costs. Library technology reports.31(3). pp. 221-380.
- Srivastava, M. D. (2011). Metadata Creation in Digital Libraries. New Delhi: Pacific.
- Sul H. Lee. (1999). Collection Development in the Electronic Environment: Shifting Priorities. Haworth Press.
- Svenonius, Elaine. (2000). The Intellectual Foundation of Information Organization. USA: MIT Press.
- Willinsky, John. (2005). The Access Principle: The Case for Open Access to Research and Scholarship. (Digital Libraries and Electronic Publishing). Cambridge: MIT Press.

Course Code	DPH-103
Course Title	Emerging Trends & Technologies in LIS
Type of Paper	Core
Credits	04
Teaching Hours:	48 Hours

Objectives of the Course:
- To comprehend how common tools can be applied to provide new innovative LIS services.
- To disseminate with the new tools and technologies enabled LIS, particularly in a web based environment.
- To provide better service to our researchers, we need to implement various new tools and technologies in libraries which is penetrating in every day of life though the ICT Application.
- To explore the extent of applications of Web 2.0 tools in libraries.
- To explores the feasibility of inclusion of technology use

Course Content:

Unit-1
- Electronic Information Resources – Subject Gateways,
- Web Portals,
- Directories,
- Discussion Forums /Groups.
  Databases: Bibliographic, Numeric, Full text, Multimedia; Open Access Databases

Unit-2
- Library Consortia-National and International
- Web 2.0 and 3.0 – Library 2.0- Concept, Characteristics, Components
- Instant Messaging, RSS Feeds, Podcasts, Vodcasts, Ask a Librarian
- Collaborative Services- Social Networks, Academics Social Networks,
- Social Tagging, Social Bookmarking.
- Web – Scale Discovery Services

Unit-3
- Mobile based Library Services and Tools – Mobile OPAC,
- Mobile Databases,
- Mobile Library Website,
- Library Apps, Mobile Library Instructions,
- Augmented Reality, SMS Alerts,
- Institutional Repository-Need, Purpose, Types and Tools

Unit-4
- RFID,
- QR Code,
- Biometric,
- Smartcard: Features and Applications
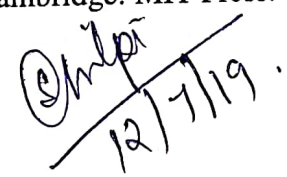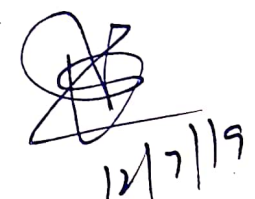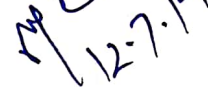- Disaster management in Digital Environment

Unit-5
- Library Consortia – National and International.
- Digital Library Initiatives – National and International
- CMS Software –Selection, Implementation and Evaluation
- Digitization – Planning, Selection of Materials, Hardware, Software, Process, Issues.

12.7.19

- Cornish, G. P. (1990). Copyright interpreting the law for libraries and archives. London: Library Association.
- Dorothy Warner. (2002). Why Do We need to keep this in print? It's on the Web: a Review of Electronic Archiving Issues and Problems. Progressive Librarian, number 19-20.
- Fenner, Audrey (ed.). (2005). Managing Digital Resources in Libraries. New York: Haworth.
- Gopal, K. (2000). Digital Libraries in Electronic Information Era. New Delhi: Authors Press.
- Kent, Allen. (1994). Encyclopedia of Library and Information Science. NY: Marcel Dekker.
- Lesk, Michael. (1996). Understanding Digital Libraries. 2nd ed. San Francisco: Morgan Kaufman.
- Raitt, David. (2000) Digital Library Initiatives Across Europe. Computers in Libraries, 20(10). p. 26.
- Saffady, W. (1995). Digital library concepts and technologies for the management of library collections: an analysis of methods and costs. Library technology reports.31(3). pp. 221-380.
- Srivastava, M. D. (2011). Metadata Creation in Digital Libraries. New Delhi: Pacific.
- Sul H. Lee. (1999). Collection Development in the Electronic Environment: Shifting Priorities. Haworth Press.
- Svenonius, Elaine. (2000). The Intellectual Foundation of Information Organization. USA: MIT Press.
- Willinsky, John. (2005). The Access Principle: The Case for Open Access to Research and Scholarship. (Digital Libraries and Electronic Publishing). Cambridge: MIT Press.

Course Code	DPH-104
Course Title	Library & User Studies
Type of Paper	Core
Credits	04
Teaching Hours	72 Hours

Objectives of the Course:
- To develop the knowledge and skills necessary to access library resources;
- To explain the functions and services of the various libraries;
- To information about all formats in order to support the research;
- To identify the user of a library or of any information system or service;
- To explain the need of study and contact with the users;
- To identify suitable methodologies for user studies; and
- To enumerate general variables of users.

Course Content

Unit-1
- Origin and growth of Library
- Origin and Growth of Libraries in India
- Collection Development
- Collection development policy
- Trends in Library Services

Unit-2
- User: concepts, definition, characteristics and Scope
- Need for User Studies
- Planning of a User Study
- Methodologies/Techniques for User Studies
- User Studies: Limitations and Criticisms

Unit-3
- Information Use Study: Meaning, scope and need
- Types of Information Use Study
- User-based Information Use Study
- Electronic Source-based Information Use Study
- Conducting Information Use Study

Unit-4
- User Education: Concepts, definition, objectives and methods
- Components of User Education
- Historical Development of User Education
- Information Technology and User Education
- Evaluation of a User Education Programme

Unit-5
- Case Studies
- Efforts Made in India towards user education
- User Studies in the Electronic Environment

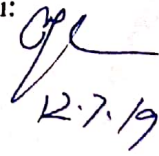**Method of Teaching:** Lectures, Demonstrations, Brainstorming sessions, and Case studies.

Method of Assessments and weightage: Assignments, seminar presentations, quizzes and written tests.

Recommended Books:
- Devarajan, G. (1995). Library Information User and Use Studies. New Delhi: Beacon Books.
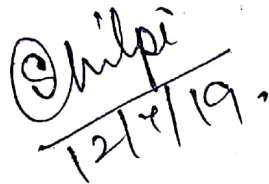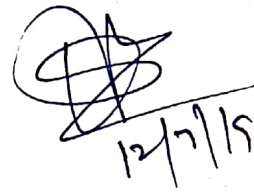
- Guha, B.(1976). Techniques of User Studies. Paper 11.3 in DST Course Material. New Delhi :INSDOC.
- Kawatra, P.S. (1992). Library User Studies: A Manual for Librarians and Information Scientists. Bombay: Jaico Publishing House. Krishan Kumar (1968).
- Fjallbrant, Nancy, and Ian Malley. User Education in Libraries. 2nd ed. London: Clive Bingley, 1984.
- Girja Kumar and Krishan Kumar. Philosophy of User Education. New Delhi: Vikas, 1983. Print.
- Banwell, Linda, and Graham Coulson. "Users and User Study Methodology: The Jubilee Project". Information Research 9.2 (2004).
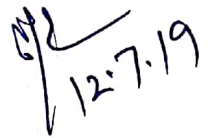- Bernal, J.D. Report on Royal Society's Scientific Conference. London: Royal Society, 1948.