Ballsbridge University

PhD- Library and Information Science

Syllabus

Courses

1. PhD

Semesters	Course No.	Name of the subject	Credits
First	LS101	Paper.1: Research Methods, Tools and Techniques	4
	LS102	Paper.2: Library and Information management	4
Second		Paper 3: Area of Specialization any one of the following	
	LS103	I). Library and Users	4
	LS104	2) .Digital Library	4
	LS105	3).Bibliometrics	4
	LS106	4). Information Sources and Services	4
		Dissertation/Thesis	20
		Total	**34**

- First semester paper LS101 AND ls102 is compulsory
- Second semester – any one papers from the LS 103, LS104, LS 105, LS 106
- Dissertation/Thesis

Duration of the program is 3 years, after second year students can submit the thesis approved by the research supervisor for evaluation and viva.

Paper-1
LS101 - Research methodology, Tools and Techniques

Credits 4:0:0
Marks: 100

Objectives

To study about the research methods, tools and techniques in the field of library and information science. This technique will help to analysis to data in the research.

Out come

Knowledge will be updated in research methodology, tools and techniques to be following in the library and information science research.

Unit – 1

Research: General meaning, Need, Process, Types of Research- Pure, Applied and Action Research, Kinds of Research – Diagnostic research, Descriptive research, Exploratory research and Explanatory research.

Unit – 2

Research Design : Historical design, Descriptive design, Formation of Hypothesis, Testing of Hypothesis, Research Problems.

Unit – 3

Data Collection: Sampling methods and Techniques, Interview, Observation, questionnaire, Survey, Bibliometrics, Webmetrics.

Unit – 4

Data Analysis: Statistical analysis – Measures of Central Tendency, Measure of Dispersion, Regression and Correlation, Chi-Square test, Statistical Packages.

Unit – 5

Report Writing: Evaluation of research, Structure, Style and Contents, Citation Styles, footnotes, references.

Books

1. Kothari.C.R, Research Methodology, methods and Techniques, Ed. 2, Wishwa Prakasan, New Delhi.2002
2. Charles.H, et al, Research Methods in Librarianship: Techniques and Interpretations, New Delhi, Sage publications, 1993
3. Sehgal.R.L Applied Statistics for Library Science Research, vol. 2, Ess Ess Publications, New Delhi., 1998

4. Sehgal.R.L. Statistical Techniques for Librarians, , Ess Ess Publications, New Delhi., 1998
5. RavichandRao.I.K, Quantitative Methods for Library and Information Science., Wiley eastern Ltd.1985

Paper – 2
LS 102 - Library and Information management

Credits 4:0:0
Marks : 100

Objectives

To study about the Library and Information Management principles and techniques in the field of library and information science. This technique will help to manage the library and information Centers.

Out come

Knowledge will be updated in library and Management principles and techniques to be following in the library and information centers.

Unit – 1

Management- Concepts, Definition and Scope, Historical Development of scientific Management, Functions and Principles of Scientific Management.

Unit – 2

Human Resource Management : Organizational structures, authority and Delegation, Personnel Management, Motivation and Leadership.

Unit – 3

Financial Management – Library finance, Budgeting- Types of Budgeting- Model Budgets for all types of Libraries- Budgetary Control.

Unit – 4

Information Technology Management, Collection Development, Collection Evaluation, Total Quality Management.

Unit – 5

Planning, Types of Planning, Management by Object (MBO), Risk and Disaster Management, Management innovations – Strategic Planning.

Books

1. Kumar.P.S.G, Management of Library and Information Centers, B.R.Publishing Corporation, Delhi, 2003
2. Mahapatra,P.K, Human Resource Management in Libraries, Ess Ess Publications, New Delhi, 2002
3. Dhiman, Anil.K and Rani, Yashoda, Learn Library Management, Ess Ess Publications, New Delhi, 2005
4. Parkash, Chander, Library Administration and Management, Mangal Deep Publication, Jaipur, 1996

Paper -3
LS103 - Library and Users

Credits 4:0:0
Marks: 100

Objectives

To study about the Library and users studies, the usage of resources, different types of services are included in the field of library and information science. This will help to manage the library and information users and resources.

Out come

Knowledge will be updated in library and users and to Management of effective library services to the users.

Unit – I

Information Sources, Documentary Sources, Non –Documentary Sources, Electronics Sources.

Unit – II

Reference Service, Need for Reference Service, Reference Books, Ready vs Long Range Reference Service, Reference Service in Different Libraries.

Unit – III

Information Service, Alerting Services, Bibliographic Services, Referral Service, Document Delivery, Online Services, Translation Service, Reprographic Service.

Unit – IV

User and Use of Information, Services to Users, Information needs, Information seeking behavior, User Studies. Impact of information on the quality.

Unit – V

User education –needs , Educative role of Libraries, Planning user Education Programmes, Methods of User Education, Evaluation user Education Programmes.

Books

1. Kumar.P.S.G, Information Sources and Services: Theory and Practice, Kumar's Curriculum Series in Library and Information Science, 6, Paper VI & VII of UGC, B.R. Publishing Corporation, Delhi, 2004

2. Kumar.P.S.G, Library and Users : Theory and Practice, Kumar's Curriculum Series in Library and Information Science, 6, Paper VI & VII of UGC, B.R. Publishing Corporation, Delhi, 2004

3. Bikika Tariang Laloo, Information needs, Information Seeking Behavior and Users, Ess Ess Publications, New Delhi, 2002.

4. Sharma, Jagdish.S and Grover.D.R, Reference Services and Sources of Information, Ess Ess Publications, New Delhi, 2004

Paper – 4
LS 104 - Digital Library

Credits 4:0:0
Marks: 100

Objectives

To study about the Digital Library and the e-resources, Library Automation, Digital technology and Digital information services to be adopted in the library and information science. This will help to manage the digital resources and digital information services.

Out come

Knowledge will be updated in digital library, e-resources, library automation, digital technology for effective digital library services to the users

Unit – 1

Library Automation – Definition, needs, Acquisition, Cataloguing, Circulation, Serials, Library Automation Software Packages – Soul, SLIM, Libsuite, Alice etc,.

Unit – 2

Digital Library – Definition, Features of Digital Library, building of Digital Libraries, Digital Library Management Systems, Advantages and Disadvantages of Digital Libraries, Examples of Digital Libraries.

Unit – 3

Digital Resources – E_Books, E_Journals, Open Sources, Digital Archiving, Born Digital, Academic data Archiving, copy Right issues, Limitations, WWW.

Unit – 4

Digitization Technology – Issues in Digitization, Preparation of Digital Masters, Scanning Equipment, Digitization of Library Resources, Metadata for Digital Preservation.

Unit – 5

Resource Sharing – Definition, Tools, Library Networks – Aims and Objectives, Types, Centralized Collection Development, Library Consortium – Silent features, functions, Benefits, Elements of Library Consortium.

Books

1. Satyanarayana.V.V.V., Modern Librarianship Ushering in Digital Library, Authors Press, Delhi, 2006.
2. Shiva Sukula, Information Technology: Bridge to the Wired Virtuality, Ess Ess Publications, New Delhi, 2008
3. Manohar nanda, Library Automation, Anmol Publications Pvt. Ltd, New Delhi, 2006
4. Purushotham Tiwari, Digital Library, A P H Publishing Corporation, New Delhi, 2006
5. Anil K Dhiman and Yashoda Rani, Resource Sharing and Library and Information Networks, Ess Ess Publications, New Delhi, 2007

Paper – 5
LS 105 - Bibliometrics

Credits 4:0:0
Marks: 100

Objectives

To study about the bibliometrics publications out put and analysis of the authors publications in the subject areas.

Out come

Knowledge will be updated in bibliometrics for publication in the library

Unit – I

Origin and Development of Bibliometric studies, Definition and Meaning, Scope of Bibliometrics, Application of Bibliometrics.

Unit – II

Bibliometric Laws – Lotka's Law , Bradford Law, Zipfs Law of Word occurrence, Problems and limitations of Bibliometric methods.

Unit – III

Citation Analysis: Definitions and Meaning, Types of Citation analysis studies, Cito-analytical Products and their uses, Application of Citation analysis.

Unit – IV

Growth of literature study, Models and Methods of Growth study, Authorship study, Language and types of document used study, Self citation studies, and Subject Dispersion study.

Unit – V

Webmetrics – Definition and Meaning, Internet and Informatrics laws, Methods of studies, Advancement and research in bibliometrics.

Books

1. Gayatri mahapatra, Bibliometric Studies in the Internet era, Indiana Publishing House, New Delhi, 2009
2. Ashwini Tiwari, Bibliometrics, Informetrics and Scientometrics: Opening New Vistas of Information Science, RBSA publishers, Jaipur, 2006.
3. Devarajan.G, Bibliometric Studies, Ess ess Publications, New Delhi, 1997
4. Sharam.S.R, Evaluation and Administration in Library Science, Mohit Publications, New Delhi , 1997

Paper – 6
LS106 Information Sources and Services

Credits 4:0:0
Marks: 100

Objectives

To study about the information sources and services, different types of resources, different types of services are included in the field of library and information science. This will help to manage the library and information sources and services.

Out come

Knowledge will be updated in different types information sources and difference types of services.

Unit – 1

Information Sources– Definition– Types– Needs– Importance- Information services– Definition– Types– Needs– Importance- Documentary Sources- Non Documentary Sources.

Unit – 2

Reference Service– Need- Reference Book– Ready- Long Range Reference Services- Initiative of freshman - Reference Service in Different Libraries.

Unit – 3

Information Service- Alerting Service- Bibliographic Service- Referral Service- Document Delivery- Online Service- Translation Service- Reprographic Service.

Unit – 4

Electronic document Source, E-journals- E-Document Communication- Open Sources etc.,

Unit – 5

Study and Evaluation of Reference Sources, Compilation of Bibliographics, Role of International Organisation, Current Awareness lists etc.,

Unit – 6

Documentation and Information Centre's and their Activities - Description and Activities of Important - NASSDOC, FID, UNESCO etc,

Books

1. P.S.G. Kumar, Information Sources and Services, Theory and Practices, B.R. Publishing Corporation, New Delhi, 2004.

2. Dhiman Anil K. and Ravi Yoshoda, Learn information and Reference Source and Services, Ess Ess Publications, New Delhi, 2005