Mother Teresa Women’s University, Kodaikanal
Course Work syllabus
Library & Information Science

1. Information Resources

Unit-I

Unit –II

Ready Reference Sources –Types and value-Dictionaries, Encyclopedias, Annuals, Biographical sources, Handbooks and Manuals, Geographical sources.

Unit-III

Bibliographical sources – Bibliographies, list of serials; Union Catalogues; – Indexing and abstracting sources, news summaries.

Unit –IV

Digital Resources: E-Books, E-Journals, Databases and ETD, – Subject Gateways; Web Portals

Unit-V
Evaluation of Information sources – Print Reference sources; Web Resources

Selected Readings:

2. Information systems and Services

Unit-I
Information systems: Concept, purpose, types and levels: Open, Closed, Local, national and International.

Unit –II
Information Services; Reference service, Information Alert, News clippings, CAS, SDI, Abstracting and Indexing Services.

Unit-III
Digital Information Services; Institutional Repository, Web OPAC, Online DDS, Citation and Indexing Services

Unit –IV
Global Information System: UNISIST - AGRIS – INIS- ENVIS
National Information Systems; NISCAIR, DESIDOC, NASSDOC-

Unit – V
Library consortia-India; UGC-Infonet, INDEST, N-LIST
Library Networks: INFLIBNET, DELNET, ERNET.

Selected Readings:

8. Gurdev Singh Information Sources Services and Systems PHI, New Delhi, 2013
10. Prashant Kaushik  Library Information Services and Systems  Anmol Publisher, New Delhi, 2006,
11. U.S. Jadhav and Suresh Jange Library and Information Sources and Services Regency Publications A Division of Astral International (P) Ltd. New Delhi, 2013
13. Sherman, C. and Price, G. The invisible web: uncovering Information Sources Search engines can’t see. 2001
3. Scientometrics

Unit 1
Citation: Definition need and purpose; Fundamentals Bibliometrics and Scientometrics.

Unit 2
Theory and laws-Zip’s law, Lotka’s law, Price theory and circulation theory.

Unit 3
Quantitative and qualitative techniques: Types, Multidimensional scaling, cluster analysis, correspondence analysis, Coword analysis and media and audience analysis. Winks.exe(statistical package)

Unit 4
Impact factor Index-Study of Science citation Index, Scopus, Google Scholar

Unit 5
Academic research performance measurement: International Level

References
Garfield(E): Citation Indexing, 1978
Sengupta(I): Bibliometric Research
Ravichandra Rao (IU): Informatics, 1992
Gupta(S.P) statistical Methods, 1978
Morse(PM): Library effectiveness: A System approach, 1968
4. Digital Libraries and Web Technology

Unit-I
Digital Libraries: Definitions, Concept, Characteristics, functions and Advantages-
Digital Library collection - Major Digital Library Initiatives.

Unit-II
Design and Organization of Digital Libraries: Architecture, Interoperability,
Protocols and Standards.

Unit-III
Digital content creation: files formats, Archives and Preservation.

Unit- IV
Engines: General, Meta, Federated Search Engines. Browsers: IE, Mozilla,
Google Chrome.

Unit-V
Social Networking Websites and Social Bookmarking

Selected Readings:
5. John M. Colon, Annl Kelsey, Keith Michael Fiels. Planning for Automagtion:
6. Kausik Bose Information Networks in India: Problems and Prospects / New
5. INFORMETRICS

Unit -I

Unit –II
Theory and Laws - Zipf’s law, Lotka’s Law, Bradford’s Law. Price Theory

Unit – III
Quantitative and Qualitative techniques: Types, Multidimensional scaling, Cluster analysis, Correspondence analysis, Co-word analysis, media and audience analysis.

Unit –IV
Citation Theory and Analysis; Definition, Theory of citing, different forms of citations, Age of citation – citation counts, Self –citation – Citation Index – Impact Factor – H Index.

Unit – V
Bibliometrics and Scientometric Analysis (Hitscite and Bibexcel)

Selected Readings:

6. User Studies

UNIT I
User Studies – Concept, definition, need and purpose – Types and Techniques.

UNIT II
Information needs – Types of Inform needs - Models - Information seeking behaviour.

UNIT III
Information Literacy - Concept - definition - need – methods, Models and sources used - evaluation of Information Literacy programmes.

UNIT IV
User education – Need – Purpose – Methods - online user education - Evaluation of user education programmes.

UNIT V
Evaluation of user studies - criteria - Techniques of evaluation – Questionnaire method, Interview method and record analysis method.

Selected Readings: