MANGALORE UNIVERSITY
Department of Library and Information Science
Master of Library and Information Science

LSH551: INFORMATION SYSTEMS AND SERVICES

Objectives:

- To familiarize students with the meaning, definition, use and implications of Information Systems
- To understand the structure and development of Information Systems
- To study the various components of information systems
- To study the activities of National and International information systems
- To understand the resource sharing and networks
- To know the bibliographic service
- To understand the planning design and evaluation of information systems

Course Outcomes (CO):

CO1 Able define and describe structure, functions and components of information systems

CO2 Makes students to understand nature of reference and referral services and importance of resource sharing.

CO3 Clearly understanding of concept, importance and types of reference services

CO4 Know current awareness and selective dissemination of information services

CO5 Understanding of meaning and importance of resource sharing and national information network centres that are involved in resource sharing\

CO6 Understand to generate subject bibliographies and provide them to needed users

CO7 Have the knowledge of National Documentation centres and their role in information services

CO8 Familiar with international agencies involved in provision of information services

Unit 1 : Information systems: Basic concepts, Meaning, Objectives and Functions. - **08hrs** Components of Information System: Structure, Functions and Services, Libraries, Documentation Centres, Information centres, Data centres, Information analysis centres, Clearing houses, Data banks, Data Curation centres, Museums, Memories, Institutional Repositories, Open Archives, Referral, Translation Centres, and Publishing Houses.

Unit 2 : Reference service: Types -Short and Long Range with examples. Reference process, **08hrs** Steps in providing reference services, Virtual Reference Desk (VRD), Management, technology and resources. Referral service. Reference Collection, Knowledge, Skills and Qualities of a Reference Librarian.

Unit 3 : Compilation of CAS and SDI, Indexing and Abstracting Bulletins, Translation Service. **08hrs** On-line Services: Alerting services-Listservs and Subject portals, FAQs -Developing

FAQs -methods and techniques. Document Delivery Services -Needs and Importance, Types of Document Delivery Services.

Unit 4 : Resource Sharing and Networks: Consortia- Importance and objectives. Study of Information networks- OCLC, INFLIBNET, UGC-INFONET, DELNET, , and INDEST. - Information policies and programmes. Planning, Design and Evaluation of Information systems. **08hrs**

Unit 5 : Bibliographic Services -Importance, Types and its role in Information access and use Preparation of bibliographies, Trend Reports, State of the Art reports and Digests. **04hrs**

Unit 6 : National Documentation Centers and Information Systems: NISCAIR, DESIDOC, NASSDOC and SENDOC **06hrs**

Unit 7 : International Information Systems and Services: Identification, Features and Use: BIOSIS, INSPEC, ERIC, AGRIS, INIS and MEDLINE **08hrs**

References:
1. SunithaAsija(1998). Documentation services in India: A review of some selected documentation centres. New Delhi: Academic Publications.
2. Guha, B. (1983). Documentation and Information: Services, techniques and systems. Calcutta: World Press.
3. Krishan Kumar (1990). Reference service. New Delhi, Vikas.
4. Vickery, B.(1987). Information systems. London: Butterworths.
5. Davinson Donald: Reference service. London, Clive Bingley, 1980.
6. Hanson, CW: Introduction to science Information work. London, ASLIB, 1973.
7. Maizell, RE and others: Abstracting scientific and Technical Literature. New York, Wiley, 1970.
8. Ranganathan, SR: Reference Service Ed 2. Bangalore, SaradaRangnathan Endowment for Library Science, 1992.
9. Rowley, JE and Turner: CMD: Dissemination of information, London, AndruDeutach, 1975.
10. Rowlay, JE and Turner: Reference Service and sources of Information. New Delhi, EssEss Publications, 1987.
11. Sewa Singh: International Manual of Reference and Information Services. Delhi, Beacon Book, 1997.
12. Sharma, JS and Grover, DR: Reference Service and Sources of Information. New Delhi, EssEss publishers, 1992.
13. Prasher R.G.: Information and its communication, New Delhi, Medallion, 1937
14. Anil K. Dhiman and Yashoda Rani: Reference Sources and Services, New Delhi, EssEss Publications, 2005.
15. Gurudev Singh: Information Sources, Services and Systems, PHI learning Private Limited, Delhi, 2013
16. Walford, A.J: Guide to Reference Materials, London, Library Association, 1990, 3V.

17. Subramanayam, K : Scientific and Technical Information Resources, New Delhi: Anmol, 2001
18. Katz, W A.: Introduction to Reference Work. New York: McGraw- Hill, 1992