

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

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**

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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.
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