INFORMATION STORAGE AND RETRIEVAL SYSTEM

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- ISAR System
- Users and their Information need
- Types of ISAR
- Evaluation of ISAR
- Example of ISAR
Information retrieval is the science of searching for information in documents, searching for documents themselves, searching for metadata which describe documents, or searching within databases, whether relational stand-alone databases or hypertext networked databases such as the Internet or World Wide Web or intranets, for text, sound, images or data.
Information retrieval is the process of searching some collection of documents, using the term document in its widest sense, in order to identify those documents which deal with a particular subject. Any system that is designed to facilitate this literature searching may legitimately be called an information retrieval system.
Definitions

- According to Science and Technology Dictionary, information retrieval is the technique and process of searching, recovering, and interpreting information from large amounts of stored data.
- Britannica Concise Encyclopedia says information retrieval is recovery of information, especially in a database stored in a computer.
The technical definition of information is useful and it is a term which may be a synonym for "data" or "news" or reports etc. In information science, the word is used with a more specific meaning, but here also definitions vary according to the pragmatics of the use.

The concept of information retrieval is broad and often employed in an imprecise meaning. It is used to denote systems designed to provide users or a group of users with information.
Salton /McGill (1983) gave this definition: An information retrieval system is an information system, that is, a system used to store items of information that need to be processed, searched, retrieved, and disseminated to various user populations.
ISAR deals with three basic aspects:

- Information representation
- Information storage and organization
- Information Access
Purpose of ISAR

- A writer present a set of ideas in a document using a set of concept.
- ISAR system serve to match the writer’s ideas expressed in user’s requirement or demand for those.
- ISAR system serve as a bridge between the generator of information and the users of that information.
Broad outline of an Information and Retrieval Systems (IRS)

- Information Sources
- Analysis and representation with controlled Vocabularies
- Organized Information Resources and Index file
- Retrieved Information
- Matching
- Search Statements
- Users
- Query Analysis
THANK YOU