



SNS COLLEGE OF ENGINEERING
Kurumbapalayam (Po), Coimbatore – 641 107

An Autonomous Institution

Accredited by NBA – AICTE and Accredited by NAAC – UGC with ‘A’
Grade

Approved by AICTE, New Delhi & Affiliated to Anna University,
Chennai



**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA
SCIENCE**

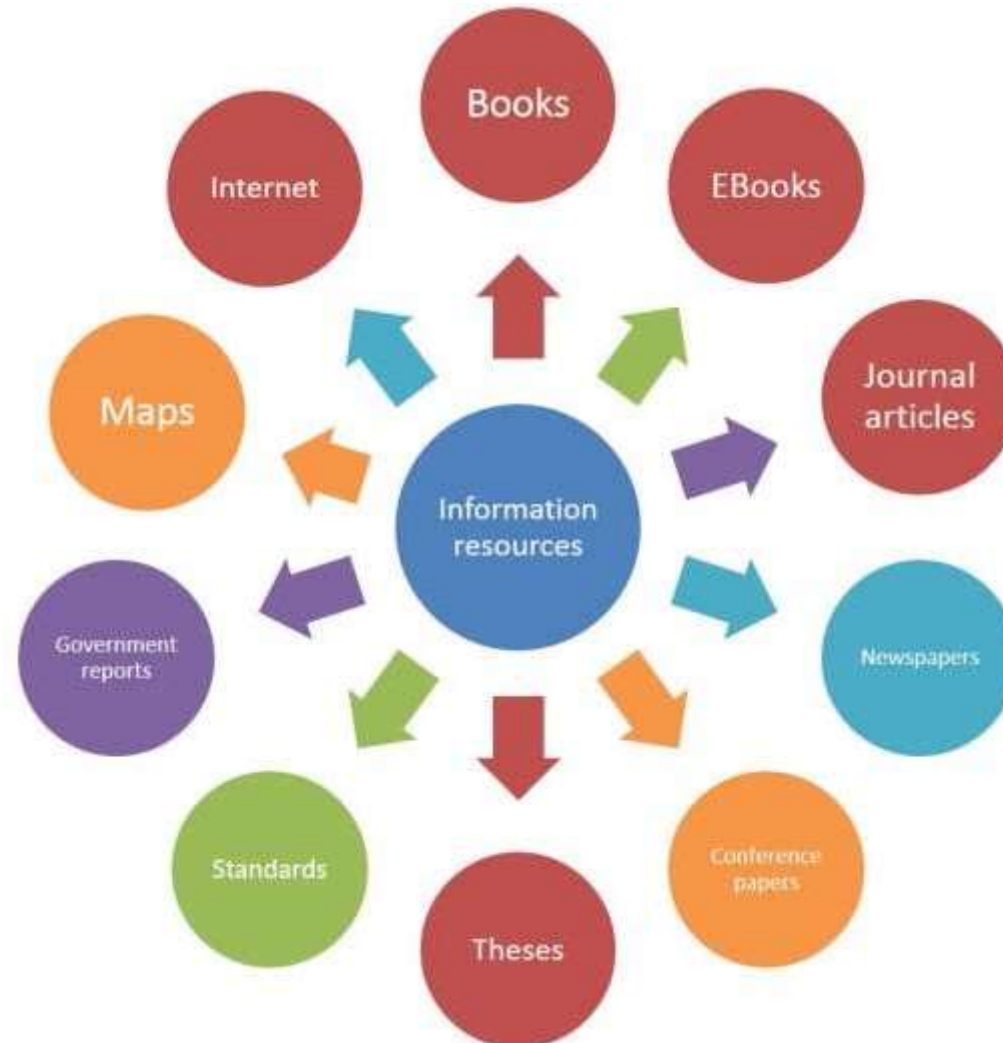
Recommender System



OVERVIEW OF INFORMATION RETRIEVAL



Cookie Monster's definition-Information: News or facts about something

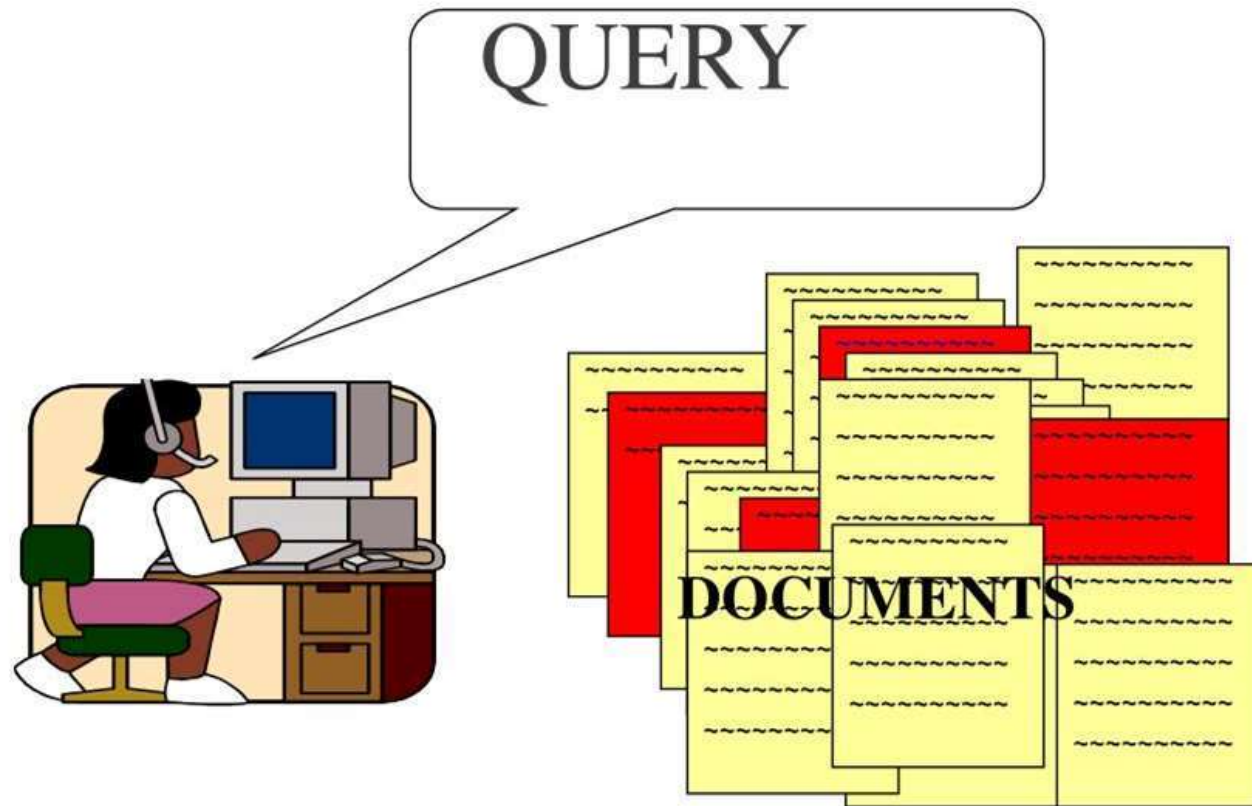




RETRIEVAL



- Fetching something that has been stored



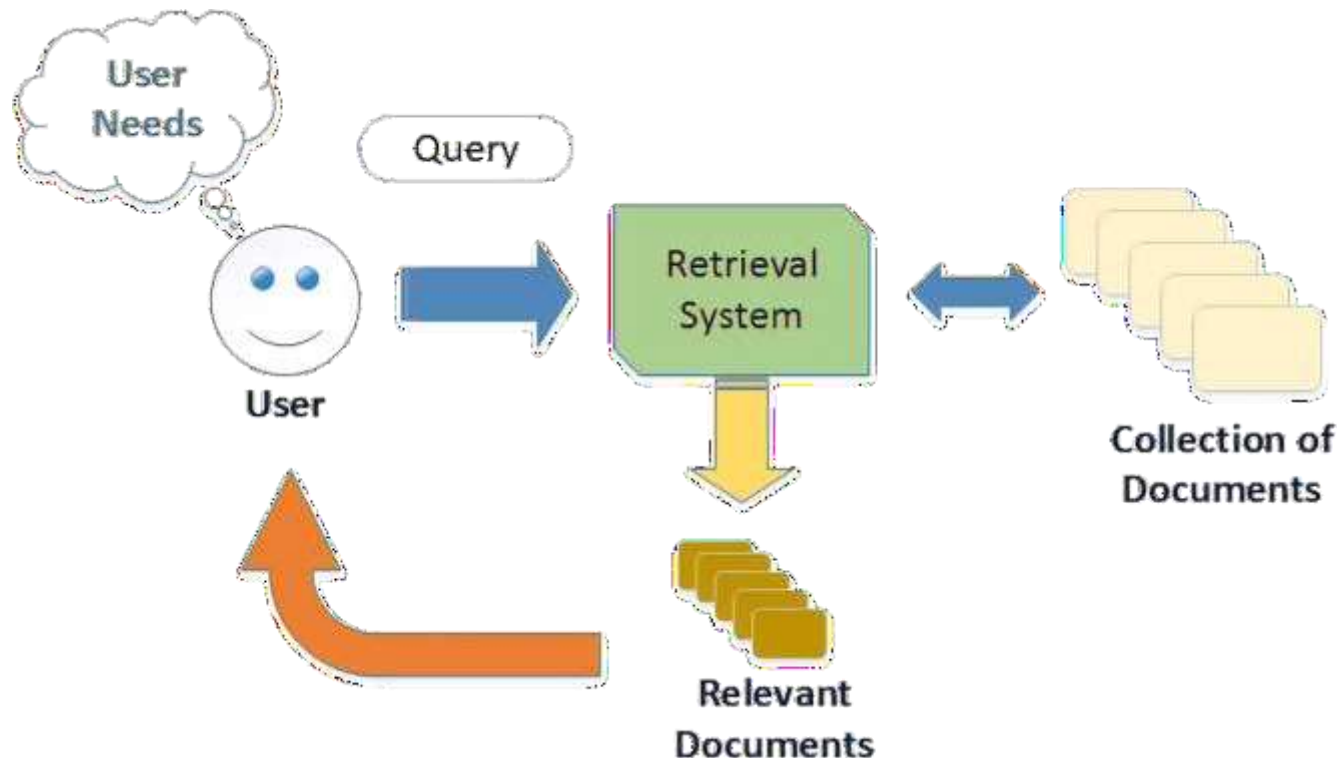
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INFORMATION RETRIEVAL(IR)



- Field Concerned with the structure,analysis,organization,storage,searching and retrieval of information.
- Activity of Obtaining information resources relevant to an information need from a collection of information resources.





OBJECTIVE AND GOAL OF IR



Objective of IR: Provide the users with effective access to and interaction with information resources

Goal of IR: The goal is to search large document collections to retrieve small subsets relevant to the users information need.



PURPOSE/ROLE OF IR SYSTEM



- Designed to retrieve the documents or information required by the user community.
- It should make the right information available to the right user.
- Aims at Collecting and organizing information in one or more subject areas in order to provide it to the user as soon as possible.
- Serves a bridge between the world of creators or generators of information and the users of that information.



KINDS OF INFORMATION RETRIEVAL SYSTEMS



Two broad categories of information retrieval system can be identified:

1.In-house: In-house information retrieval systems are set up by a particular library or information center to serve mainly the users within the organization. One particular type of inhouse database is the library catalogue.

2. Online: Online IR is nothing but retrieving data from websites, web pages and servers that may include databases, images, text, tables and other types.



FEATURES OF AN INFORMATION RETRIEVAL SYSTEM



- Prompt dissemination of information
- Filtering of information
- The right amount of information at the right time
- Browsing
- Interpersonal communication
- Personalized help
- Access to other information systems
- Current literature
- Getting information in an economical way
- Receiving information in an economical way



APPLICATION AREAS WITHIN IR



- Cross language retrieval
- Speech/broadcast retrieval
- Text Categorization
- Text Summarization
- Structured document element retrieval(XML)

