IR Important Questions by MUStudentsUnited

MODULE 1 - Introduction to Information Retrieval

- Discuss the objectives of information retrieval systems?
- Define information retrieval and list down classification of information retrieval systems.

MODULE 2 - Modeling in Information Retrieval

- Explain the process of structured text retrieval model.
- Explain the taxonomy of information retrieval model.
- Short note on latent semantic indexing model.
- Short note on flat browsing vs hypertext browsing model.
- What is role of suffix array and suffix tree in information retrieval system with example.

MODULE 3 - Query and Operations in Information Retrieval

- Explain the pattern matching in information retrieval.
- What is local and global analysis and differentiate between automatic local analysis and global analysis.
- Short note on Roccio methods for query expansion.
- Specify the significance of user relevance feedback in an IR system.
- Illustrate different types of keyword-based queries.

MODULE 4 - Indexing and Scoring in Information Systems

- What is the significance tf and idf? How can you calculate tf and idf in vector model.

- Short note on parametric and zone indices.

- What is inverted file? Explain in detail with example.

- Explain in detail about vector space retrieval models with an example.

- What is the signature file? Explain the structure of signature files with example.

- Short note on inexact top k document retrieval.

- Compare and contrast Boolean model vs vector space model.

- Short note on sequential searching.

MODULE 5 - Evaluation of Information Retrieval Systems

- Compare and contrast evolution of ranked and unranked retrieval results.

- Illustrate information retrieval system? Discuss its relationship to DBMS, digital libraries and data warehouses.

- Explain the various systems related issues faced in information retrieval systems and how they can be refined for a deployed system.

MODULE 6 - Applications of Information Retrieval Systems

- Explain the multimedia information retrieval in detail.

- Explain the distributed information retrieval in detail.

- Short note on information retrieval in digital libraries.