

LP-III (ISR LAB ORAL QUESTION)

ASSIGNMENT-1

1. Difference between data retrieval and information retrieval.
2. What is Conflation Algorithm? Explain its steps.
3. What is Luhn's Idea? Explain the sections in it.
4. What are stopwords?
5. What is a document representative?
6. Explain Indexing, Exhaustivity, and Specificity.
7. Five commonly used measures of association in information retrieval.
8. Why normalized versions of the simple matching coefficient are used for measures of association.

ASSIGNMENT-2

1. What is Clustering?
2. Types of Clustering.
3. Explain Single Pass Clustering Algorithm.
4. Explain cluster using Similarity Measures.
5. IR models.
6. Boolean search.
7. What is the multi-pass clustering technique.
8. Explain clustering using dis-similarity matrix. Also explain effect of threshold on clustering.
9. Explain K-list.
10. Explain Cluster-Based Retrieval.

ASSIGNMENT-3

1. What are Inverted Files?
2. What is Indexing?
3. What is Vocabulary and Occurrences.
4. How search is carried out on inverted index?
5. How to index multimedia object.
6. Limitations of Inverted Index.
7. What is Suffix-Array and Suffix-Tree?
8. What is the concept of Signature Files?
9. Working of Inverted Files.
10. What are applications of Inverted Index.
11. Working of Signature Files.

ASSIGNMENT-4

1. What is Precision and Recall in IR System?
2. What is relevance of document?
3. What are the metrics to measure information systems?
4. How are Precision and Recall calculated for information systems. (Formulae)?
5. What is the problem with these two measures?
6. What is Precision-Recall Trade-off?

ASSIGNMENT-5

1. What is harmonic mean (F-measure) and E-measure in IR systems?
2. How are (F-measure) and E-measure calculated. (Formulae)?
3. What is difference between (F-measure) and E-measure?
4. What are the metrics to measure information systems?
5. What is the advantage of (F-measure) and E-measure?

ASSIGNMENT-6

1. What is Extraction (or Feature Extraction)?
2. How images are indexed?
3. Explain how color is extracted from an image.
4. What is Multimedia IR? Discuss steps on which data retrieval relies.
5. What is use of image features?
6. Enlist some of the features of image and its applications.
7. How to compare two images and calculate the relevancy?
8. Applications of Feature Extraction.

ASSIGNMENT-7

1. What are search engines? Name few of them.
2. How Search Engine Works?
3. What is Web Crawling?
4. What is Robot Exclusion Protocol (robot.txt)?
5. What is the significance of robot.txt?
6. What are the strategies used by Crawler.
7. What is Page Rank?
8. What is significance of Dampening Factor?
9. What are the Crawler Architectures.
10. Explain Harvest Architecture.
11. Explain the working of GOOGLE Crawler.
12. Explain Challenges involved in searching web.

ASSIGNMENT-8

1. What are APIs and their Use?
2. How to use API?
3. Which API you have used in your Assignment-8. (We have Used OpenWeatherMap API)?
4. Explain API you have used in Assignment 8.

ASSIGNMENT-9

1. What is Case-Study?
2. On which topic you have done Case-Study?
3. What are Recommendation Systems?
4. How are Recommendation Systems Classified (or Types)?
5. Explain Collaborative Filtering Recommendation of Documents and products.
6. Explain Content Based Filtering Recommendation of Documents and products.