

## **Presentation Assignments for the ‘Information Retrieval’ Course**

The students who have enrolled in the ‘Information Retrieval’ course are required to make presentations on one of the following topics. Each student will have to choose a topic (First Come First Take basis) and confirm to me (in person). Topic selections should be completed within three weeks of start of the course.

<b>S. No.</b>	<b>Topic</b>
1.	Alchemy API
2.	Amazon Mechanical Turk
3.	Bibliometric Enhanced IR
4.	Collaborative Filtering
5.	Collaborative Information Seeking
6.	Computational Advertising: Concept, Trends and Impact
7.	Crowdsourcing for IR
8.	Data Structures for Index Construction in IR
9.	Document Summarization
10.	Google News Personalization and RSS
11.	Graph-based Text Representation
12.	HITS and Co-HITS Algorithms and their Use
13.	Information Extraction
14.	Information Technology Act of India: What may be a crime?
15.	Learning to Rank
16.	Location-based Search
17.	Matrix Decomposition and its use
18.	Multimedia Information Retrieval
19.	Open Source Text Processing Software

20.	Opinion Mining and its Applications
21.	Page Rank and its variants in Time Ordered Citation Networks
22.	Penn Treebank POS Tag set and POS tagging
23.	Power Law, Bradford Law and IR
24.	Question Answering Systems
25.	Random and Scale-free Networks and World Wide Web
26.	Semantic Web
27.	Social Media – Types and Statistics
28.	Social Network Analysis - Metrics
29.	Social Tagging and Folksonomy
30.	Standard Datasets in IR (such as TREC)
31.	Topic Models
32.	Web Crawling
33.	Wikipedia: Technical Design and Current Statistics
34.	Wolfram Alpha: Architecture and Working
35.	XML Retrieval

The presentations will be scheduled throughout the semester. Each presentation should clearly describe the topic, its core theme, problems, challenges and current trends. The maximum duration for each presentation will be 25 minutes.

Presentations will be evaluated (1/3rd part of sessional marks) on following parameters:

- a. the quality & adequacy of the material presented,
- b. ability to organize the information in slides,
- c. style & clarity of presentation, and
- d. inclusion of additional resources and/ or information on recent trends.

Please feel free to contact me at [vivek@bhu.ac.in](mailto:vivek@bhu.ac.in) for any queries.