

Tribhuvan University
Bhaktapur Multiple Campus



A Lab Report
On
Information Retrieval
CSC413

Under the Supervision of
Mr. Nabin Ghimire
Asst. Prof., Department of CSIT, Bhaktapur Campus

Submitted To:
Department of Computer Science and Information Technology
Bhaktapur Multiple Campus
Dudhpati, Bhaktapur

In partial fulfilment of the requirement for the Bachelor Degree in
Computer Science and Information Technology

Submitted By :
Tilak Parajuli (23282/076)

Feb 2nd, 2024

Contents:

S.N	Title
1	Program to demonstrate the Boolean Retrieval Model and Vector Space Model.
2	Remove Stopwords from a given random sentence using the NLTK library.
3	Perform the following text operation with the help of suitable paragraph of your own choice a. Lowercasing b. Tokenization c. Stemming d. Punctuation removal e. Stop words removal f. Lemmatization
4	Program to find the similarity between documents
5	Implement Porter stemmer algorithm
6	Group the online news onto different categories like sports, entertainment, politics
7	Build a recommender system for online music stores.