**CSE4077- Recommender Systems**

***J Component – Project Report***

***<Project Title>***

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B.Tech CSE with Specializaton

*Submitted to*

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*November 2022*

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*BONAFIDE CERTIFICATE*

Certified that this project report entitled “Face Generation With Deep Convolutional GANs” is a bonafide work of <student names, register number>

who carried out the J-component under my supervision and guidance. The contents of this Project work, in fullor in parts, have neither been taken from any other source nor have been submitted to any other Institute or University for award of any degree or diploma and the same is certified

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**ABSTRACT**

*<150-350 Words>*

BTS (Bangtan Boys) is a K-Pop group that is an international sensation with a wide collection of songs with a lot of data to work upon. In this project we will be using Rake and Wordcloud to check how many remix songs, subunits, solo songs, and yearly song releases are there made by this band. RAKE short for Rapid Automatic Keyword Extraction algorithm, is a domain independent keyword extraction algorithm which tries to determine key phrases in a body of text by analyzing the frequency of word appearance and its co-occurance with other words in the text. Word Cloud is a data visualization technique used for representing text data in which the size of each word indicates its frequency or importance. Significant textual data points can be highlighted using a word cloud. Word clouds are widely used for analyzing data from social network websites. RAKE short for Rapid Automatic Keyword Extraction algorithm, is a domain independent keyword extraction algorithm which tries to determine key phrases in a body of text by analyzing the frequency of word appearance and its co-occurance with other words in the text. Word Cloud is a data visualization technique used for representing text data in which the size of each word indicates its frequency or importance. Significant textual data points can be highlighted using a word cloud. Word clouds are widely used for analyzing data from social network websites.

# ACKNOWLEDGEMENT

We wish to express our sincere thanks and deep sense of gratitude to our project guide, **Dr. A. Bhuvaneswari Assistant** Professor, School of Computer Science Engineering, for his consistent encouragement and valuable guidance offered to us in a pleasant manner throughout the course of the project work.

We express our thanks to our HOD **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** for her support throughout the course of this project.

We also take this opportunity to thank all the faculty of the School for their support and their wisdom imparted to us throughout the course.

We thank our parents, family, and friends for bearing with us throughout the course of our project and for the opportunity they provided us in undergoing this course in such a prestigious institution.

<student name . register no.>



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FALL SEM 22-23

**Worklet details**

|  |  |  |
| --- | --- | --- |
| Programme | B.Tech with Specialization | |
| Course Name / Code |  | |
| Slot |  | |
| Faculty Name |  | |
| Component | J – Component | |
| J Component Title |  | |
| Team Members Name | Reg. No |  |  |
|  |  |
|  |  |
|  |  |

**Team Members(s) Contributions – Tentatively planned for implementation:**

|  |  |
| --- | --- |
| *Worklet Tasks* | *Contributor’s Names* |
| Database connection and integration using Pymongo | Saurav Kumar & Arnav Saha |
| Preprocessing | Nikhil Kumar Rana& Arnav Saha |
| Model building | Nikhil Kumar Rana, Saurav Kumar & Arnav Saha |
| Visualization | Saurav Kumar & Nikhil Kumar Rana |
| Technical Report writing | Nikhil Kumar Rana, Saurav Kumar & Arnav Saha |
| Presentation preparation | Nikhil Kumar Rana, Saurav Kumar & Arnav Saha |

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1. Introduction

*<description of problem statement, objectives, challenges of your project) 200 to 300 words>*

1. Literature Survey (sample)

*<Minimum 10 papers should be surveyed>*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl no** | **Title** | **Author / Journal name / Year** | **Technique** | **Result** |
| 1 | Fake News Detection: a comparison between available Deep Learning techniques in vector space | Lovedeep Singh  Journal of computing  2021 | CNN,ANN, RNN | Best result was given by CNN with 96.8% accuracy |
| 2 | Source Based Fake News Classification using Machine Learning | Avinash Bharadwaj, Brinda Ashar  Journal of Intellent Systems, 2022 | Comparative study between different machine learning algorithms. | AdaBoost showed the maximum accuracy mor e than 90% in various splits. |

1. Dataset and Tool to be used (Details)

*<Complete description of your dataset to be used>*

1. **Proposed Methodology**
2. **Algorithms / Techniques description**

*<Pseudocode >*

1. **Experimatnal Results**
2. **Model Evaluation**
3. **Discussion on Results**
4. **Conclusion**
5. **10. Screenshots**
6. **Github Repository Link (where your j comp project work can be seen for assessment)**

**REFERENCES**

*<Research Article references (minimum 10 recent journals publication relevant to your project) SAMPLE >*

1. Lovedeep Singh (2020). Fake News Detection: a comparison between available Deep Learning techniques in vector space, 4th Conference on Information & Communication Technology (CICT), Chennai, India, 2020, pp. 1-4, doi: 10.1109/CICT51604.2020.9312099.
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