Mid-Term Final Year Project Evaluation Report on

**TEXT BASED FEEDBACK ANALYSIS**

**Everest Engineering College**

**2022**

**Minor Changes in Project Objectives, Methodology or Evaluation**

Not Applicable

**Annotated Bibliography**

|  |  |
| --- | --- |
| **SN** | **Reference/Description** |
| 1. | [1] Sentiment Analysis of Movie Reviews using Machine Learning Techniques December 2017International Journal of Computer Applications 179(7). |
|  | Sentiment analysis is the analysis of emotions and opinions from any form of text. Sentiment analysis is also termed as opinion mining. Sentiment analysis of the data is very useful to express the opinion of the mass or group or any individual. This technique is used to find the sentiment of the person with respect to a given source of content. |
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| 2. | Sentiment Analysis of Movie Review Comments 6.863 Spring 2009 final project Kuat Yessenovkuat@csail.mit.eduSasa Misailovi ˇ c´misailo@csail.mit.edu May 17, 2009 |
|  | This paper presents an empirical study of efficacy of machine learning techniques in  Classifying text messages by semantic meaning. We use movie review comments from  popular social network as our data set and classify text by subjectivity/objectivity  And negative/positive attitude. |
|  |  |
| 3. | Sentiment Analysis on Nepali Movie Reviews using Machine Learning. https://ashokpant.github.io/publications/ashok\_2014\_sentiment.pdf |
|  | —This research article presents machine learning methods for detecting the sentiment expressed by movie reviews. Sentiment Analysis, Nepali Movie Review, Natural Language Processing, Machine Learning, Naïve Bayes. |

**Work Division**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task** | **Mr. Adarsha Wagle** | **Mr. Amir Poudel** | **Ms. Dikshya Bhujel** | **Mr. Kamal Lamichhane** |
| **Programming** | **S** | **P** | **S** | **S** |
| **Report Writing** |  | **S** | **P** |  |
| **Sentiment analysis** | **P** | **S** |  | **S** |
| **Topic Modeling** | **S** |  | **S** | **P** |

P=Primarily Responsible , S=Supportings

**Project Progress**

|  |  |  |  |
| --- | --- | --- | --- |
| **Objective** | **Status** | **Completed (%)** | **Expected**  **Completion**  **Date** |
| Understand the preprocess text data using NLP techniques. | We have completed the review, and  doing the further process. | 75 | May 6, 2024 |
| Train classification models like Naive Bayes and BERT using preprocessed text and sentiment labels. | Done | 100 | June 2,2024 |
| Evaluate model accuracy, precision, recall and F!-score on a held-out test set. | We have implemented using NLP and machine learning. | 50 | June 4, 2024 |
| Evaluate a multi-class classification accuracy of over 80% on the test set. | To be done | 0 | N/A |

**Section 5: Supervisors’ Approval**

From my perspective, the students have done sufficient work to be allowed for the mid-term defense.

Supervisors’ Name: Birodh Rijal

Signature:

Date: 06/20/2024