**Team Members:**

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| --- | --- | --- |
| **S. No** | **Student Name** | **Student ID** |
| 1 | Vineela Dachepally | 11533067 |
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| 4 | Panthangi Nikitha | 11592479 |

**GitHub links:**

https://github.com/KURAAKHILA/NLPProjectGroup12

**Goals and Objectives:**

* Motivation:

Every one of us likes to read newspapers, books and online articles to enhance our knowledge, but it takes lot of time to read entire article and understand every topic line by line and search for article. In order to gather information based on category, this project analyses the entire data and categorizes data based on topic.

* Significance:

It reduces the time and effort and understands long articles or books and categorize data based on topics.

* Objectives:

The main objective of this project is to sperate the data based on topics for easy understanding and searching.

* Features:

Quick understanding, text analyzing and topic identification.

**Flow Chart:**

Chart, box and whisker chart

Description automatically generated

**References:**

1. <https://www.machinelearningplus.com/nlp/gensim-tutorial/>
2. <https://www.tensorflow.org/hub/tutorials/tf2_text_classification>
3. <https://www.simplilearn.com/tutorials/deep-learning-tutorial/rnn>
4. <https://www.analyticsvidhya.com/blog/2021/06/lstm-for-text-classification/#h2_6>