

# **JOC MINI PROJECT**

**Group No:** 21

**Group Members:**

- 1.Gouravi Dorkhande (TY Comp, Roll.no. 3917,C22019881917)
- 2.Akshada Malpure(TY Comp, Roll.no. 3934, C22019881934)
- 3.Reena Prasad(TY Comp, Roll.no. 3946, C22019881946)

**Title: Fake News Prediction System**

**Objectives:**

To implement a system for prediction of fake news.

To stop the spread of fake news by predicting its possibility of being fake.

To analyze a certain news article with the help of NLP and ML.

**Scope of the project:**

In scope:

- Taking news articles as input and predicting the chances of it being fake.
- Using a sample csv file of news articles to train the model.
- Reading and processing the file uploaded.
- Performing data preprocessing on the file to make the data fit for prediction.
- Remove stopwords from the dataset and perform stemming to obtain the root word.
- To convert the words into machine understandable vector form.
- To split the data into train and test data.
- Use the logistic regression model to predict if news is real or fake.
- Scope not limited to console we can detect whether a news is

fake or real which are circulated via WhatsApp

Libraries used:

- Numpy, pandas, re, nltk, sklearn, twilio, flask, ngrok

Out of scope:

- Processing of file formats other than .csv
- Analysis of news articles in languages other than English.
- Processing of news articles in audio/video or pictorial format.

**Deliverables:**

A system that helps to predict the authenticity of a news article provided.