**MINI PROJECT – I**

**(2018-19)**

# FAKE NEWS DETECTION

# AND ANALYSIS SYSTEM

# GROUP NO:-38

**SYNOPSIS**



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**About the Project:**

In this project, we will used various natural language processing techniques and machine learning algorithms to classify unreal news articles using libraries from python and R Language.

Along with detection we will do analysis of news which we are going to collect with the help of web scraping and also from various prepared data-set available on sources like github and kaggle.

In Analysis we will try to find the sentiments of the news and see whether the news is positive or negative along with the level of emotion associated categorically.

Some Machine learning algorithms which we will use are Logistic Regression, Support Vector Machines, Naïve Bayes, Neural Nets, Random Forest Classifier .

**Motivation:**

Motivation on the project comes from the amount of fake news and fake videos doing the rounds recently on the social media portals and Media Houses.

Attempt in detecting the unauthentic news and blocking them before it reaches the common Masses by various tech giants acted as motivation for use do something in the field.

**Future Prospects:**

Fake news detection on social media is a newly emerging research area.

**Requirements (Minimum):**

1. **Hardware:**

* Intel i3 processor
* NVIDIA GPU
* 4 GB RAM

1. **Software:**

* Windows XP & Linux
* Spyder
* R Studio
* Firefox
* Chrome