

SMART INDIA  
HACKATHON  
2022



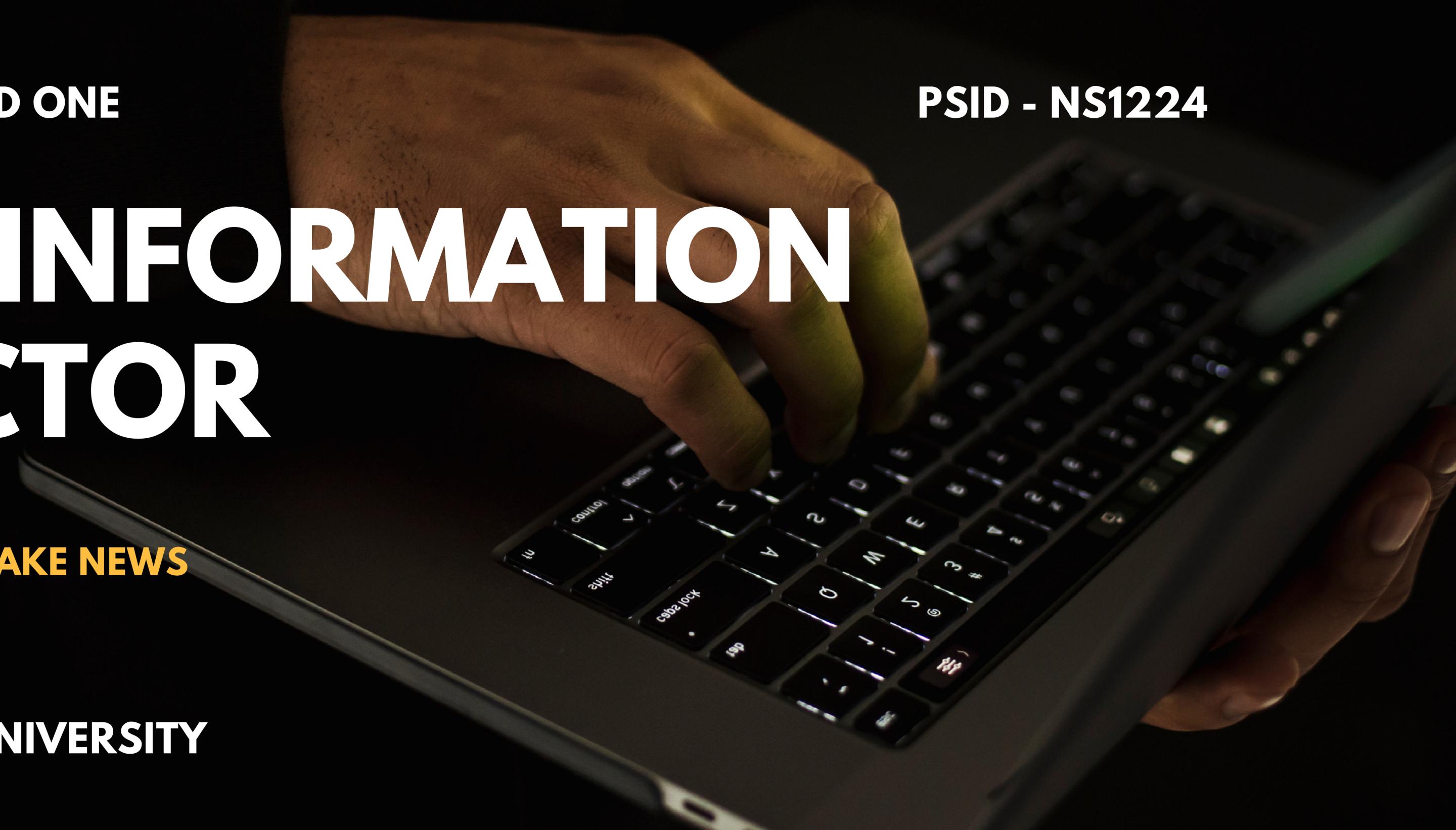
TEAM - ZERO AND ONE

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# FAKE INFORMATION DETECTOR

A SOLUTION FOR FAKE NEWS

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**GUIDE**

# **THINGS WE HAVE COVERED**

- 01      Source of Fake News**
- 02      Impact of Fake news on the society**
- 03      Our solution for the problem**



# SOURCE OF FAKE NEWS

**Fake news is an evil that has grown deep into the roots of the internet and thus knowing its source is very important in order to know the plausible threats.**



# IMPACT OF FAKE NEWS ON THE SOCIETY

**Fake news often  
create situations of  
distress in the country  
like:**

- **Panic situations**
- **Economic Breakdowns**
- **Hostility**

# Proposed Solutions

## Solution 1

### Classifier Model

This model predicts whether an article is fake or authentic.

## Solution 2

### Stance Detection

In this approach we tried to extract important keywords with optimum information.

## Solution 3

### LSTM Model

This model predicts whether an article is authentic or not in real time and can be implemented with many articles at the same time.

## Solution 4

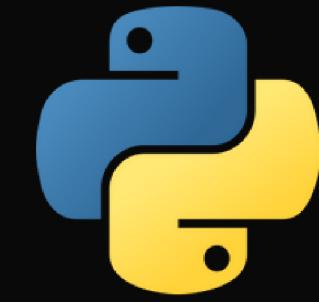
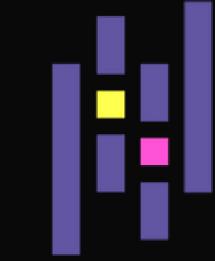
### Social Media Scraping

Using Twitter API to fetch tweets and flag them as true or false based on attribute matching.

# Limitations

- Some crucial parameters cannot be set on the free version of the Twitter API.
- We are using free Heroku server for API deployment, hence, it takes a little time to load when it is kept idle for long.
- In order to scrape multiple websites, more processing power is needed by the server, which will make the software optimum.

# Tech Stack



BeautifulSoup

 NLTK  
The Python logo is shown next to the text "NLTK".

**Thank You,**

**We are open for  
questions now.**