## EXTERNAL PROJECT VIVA 2021-2022



# FAKE NEWS DETECTION SYSTEM

Parul Institute of Computer Applications

Semester 2 Project -1

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## ABSTRACT

 Internet is one of the important inventions and a large number of persons are its users. These persons use this for different purposes. There are different social media platforms that are accessible to these users. Any user can make a post or spread the news through these online platforms. These platforms do not verify the users or their posts. So some of the users try to spread fake news through these platforms. Fake news can significantly misinform people who often rely on online sources and social media for their information. A human being is unable to detect all these fake news. So there is a need for machine learning classifiers that can detect these fake news automatically. Machine learning is the part of artificial intelligence that helps in making the systems that can learn and perform different actions. Most of the time machine learning algorithms are used for prediction purpose or to detect something that is hidden



## TOOLS AND TECHNOLOGY USED

- Platform- Python
- Python nymPy
- Python Pandas
- SkLearn
- Machine Learning Classifiers
- Artificial Intelligence(AI)
- Flask Method



## FEATURES OF PROPOSED SYSTEM

- Accuracy up to 99%
- Search bar feature for easier search
- Login feature
- User friendly



## LIMITATION OF PROPOSED SYSTEM

- Accuracy may not be as expected.
- Machine Learning Classifiers may be unable to detect or recognize entered news.
- Database may not have the records for certain News.

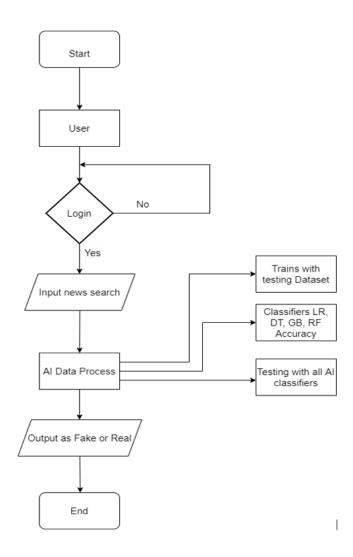


## USERS AND THEIR ROLE DESCRIPTION

- People who completely depend on social media and internet for gathering news and information are often misguided and misinformed by people who spread fake news.
- A human being is unable to detect that the news in their feed is true or not.
- As a user of our software they have to search for our website on any web browser and after opening the link they have to type the heading of the news or keywords of the news which they want to find out whether true or not that they came across on any social media platform.
- Once the software checks the entered data with the database and machine learning classifiers detects if the entered news is real or fake according to its detection the user will get the result as fake or real.



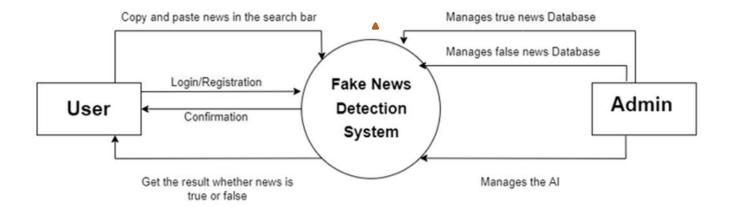
# System Flow Diagram





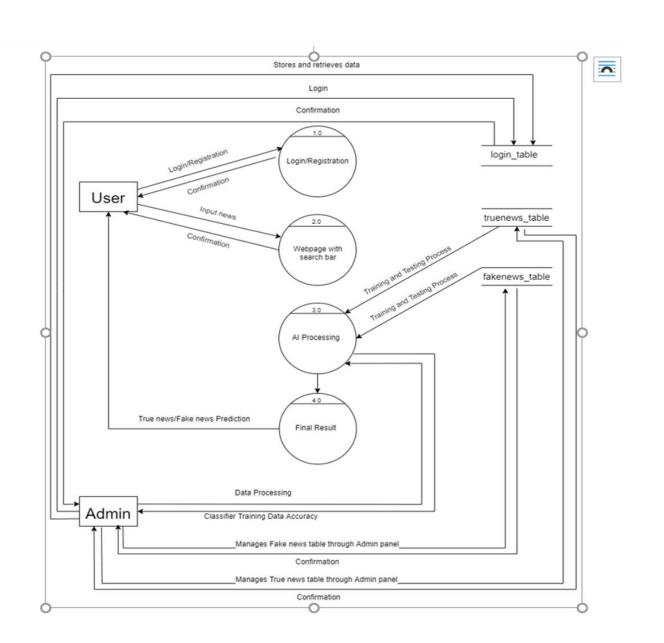
# DATA FLOW DIAGRAM (ALL LEVELS OF DFDS)

#### LEVEL 0 DFD

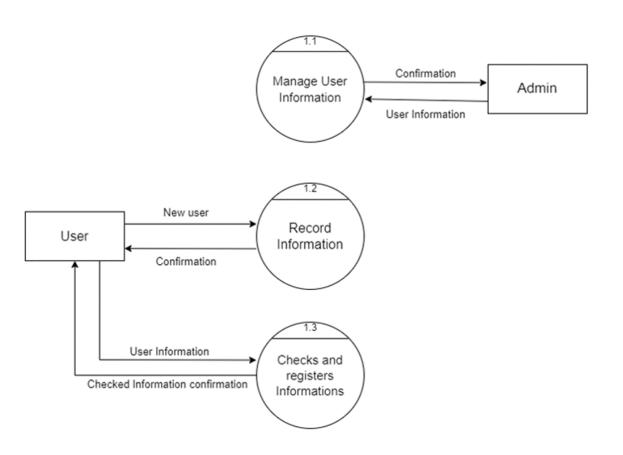




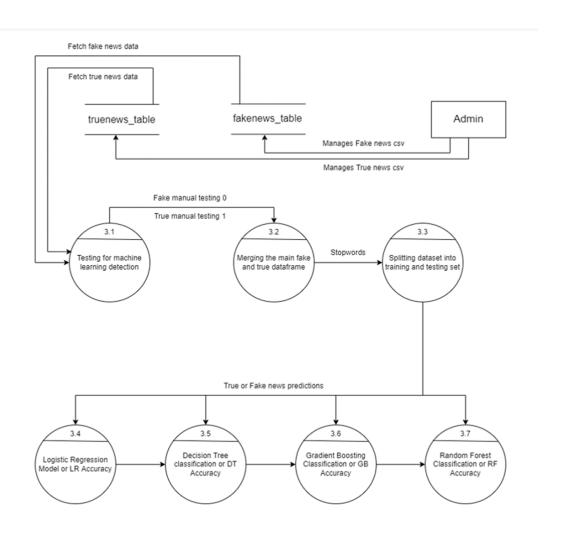
#### LEVEL 1 DFD



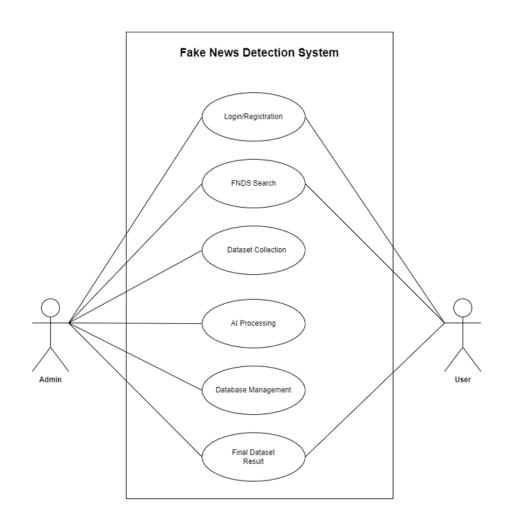
#### LEVEL 2 DFD



#### LEVEL 2 DFD



# USE CASE DIAGRAM





# DATA DICTIONARY

• Login\_Table:

SR NO.	FIELD NAME	DATA TYPE	SIZE	CONST RAINT	DESCRIPT ION	EX
2	password	varchar	(8)	NOT NULL	Password of the user	akshita1 23
3	email	varchar	(20)	NOT NULL UNIQUE	Email of the user	akshita@ gmail.co m

# SCREENSHOTS OF DEVELOPMENT PHASE 1 (DESIGNING OF THE PROJECT)

• FNDS Home Page Design:

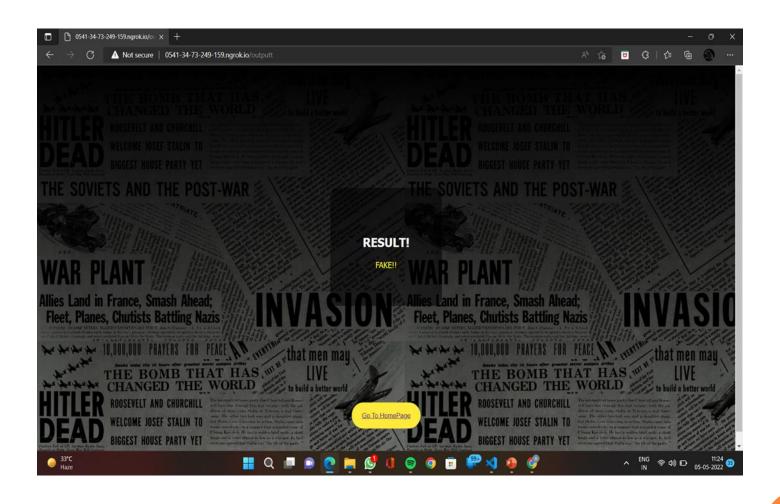


# About Us We are the first year students at Parul University and Fake News Detection System was our second semester project.

# About System The concept of deception detection in social media is particularly new and there is ongoing research in hopes that scholars can find more accurate ways to detect false information in this booming, fake-news-infeated



## • FNDS output Page Design:

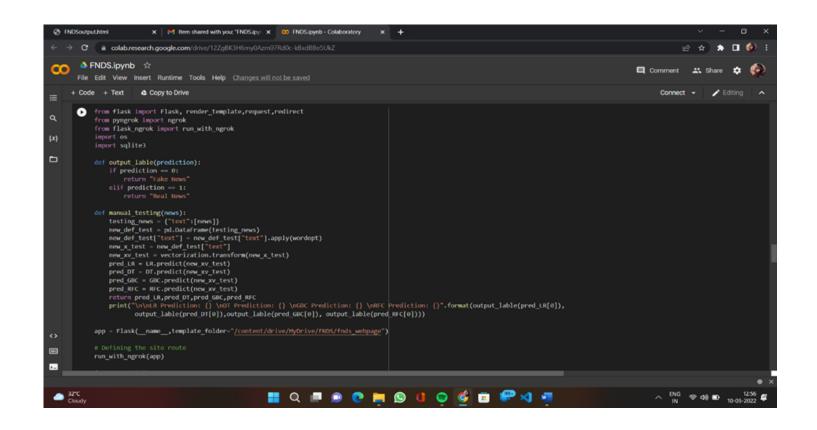


# SCREENSHOTS OF DEVELOPMENT PHASE 2 (FEATURES IMPLEMENTATION)

• Code of FNDS:



### • Code of FNDS Database:



THANK YOU!!!

