Fake News Detection

NLP Project Proposal

- **Introduction :**

How much of what we read on social media and on supposedly "credible" news sites is trustworthy? It is extremely easy for anyone to post what they desire and although that can be acceptable, there is the notion of taking it a step too far, such as posting false information online in order to cause a panic, using lies to manipulate another person's decision, or essentially anything else that can have lasting repercussions. There is so much information online that it is becoming impossible to decipher the true from the false. Thus, this leads to the problem of fake news.

- **Members of the team: -**
  - (SEC 4)   عبدالرحمن السيد السيد عبيد
  - (SEC 4)   عبدالرحمن مختار عبدالكامل
  - (SEC 6)   محمد إسماعيل السيد إسماعيل
  - (SEC 5)   لمياء عبدالمنعم عبدالشافي أحمد
  - (SEC 4)   سهلية محمد عبد الحميد

- **The Algorithm :**

  Naïve Bayes with Tfidf Vectorizer

- The Used Data set

  https://www.kaggle.com/datasets/clmentbisaillon/fake-and-real-news-dataset?select=Fake.csv

  https://www.kaggle.com/datasets/clmentbisaillon/fake-and-real-news-dataset?select=True.csv