

## NLP MINI PROJECT

### Description of the project:

Write a program to implement a Summarization system using Natural Language Processing. Given a document or paragraphs our program shall summarize related to the facts provided in the statements. These systems are used to summarize the news in the newspaper, and documents. The documents can be related to scientific journals, research papers, or any report.

### Example 1:

#### Input:

[https://en.wikipedia.org/wiki/Citizenship\\_\(Amendment\)\\_Act,\\_2019](https://en.wikipedia.org/wiki/Citizenship_(Amendment)_Act,_2019)

#### Output:

The BJP government first introduced a bill to amend the citizenship law in 2016, which would have made non-Muslim migrants from Pakistan, Afghanistan, and Bangladesh eligible for Indian citizenship. The BJP government introduced a bill to amend the citizenship law in 2016, which would have made non-Muslim migrants from Pakistan, Afghanistan, and Bangladesh eligible for Indian citizenship. The Act does not include migrants from non-Muslim countries fleeing persecution to India, Rohingya Muslim refugees from Myanmar, Hindu refugees from Sri Lanka, and Buddhist refugees from Tibet, China. It stated that religious minorities such as Hindus and Sikhs are persecuted in neighbouring Muslim-majority countries, and promised to fast track a path to citizenship for non-Muslim refugees. In other parts of India, protesters said the bill discriminated against Muslims and demanded that Indian citizenship to be granted to Muslim refugees and immigrants. It added the notion of "illegal immigrants" to the Act, making them ineligible to apply for citizenship (by registration or naturalisation), and declaring their children also as illegal immigrants. Illegal migrants could be granted citizenship if they were non-Muslim, on the grounds that they were refugees; Muslims alone would be deported.

### Example 2:

#### Input:

[https://en.wikipedia.org/wiki/Coronavirus\\_disease\\_2019](https://en.wikipedia.org/wiki/Coronavirus_disease_2019)

#### Output:

The disease is caused by the virus severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), previously referred to as the 2019 novel coronavirus (2019-nCoV). Mild cases typically recover within two weeks, while those with severe or critical disease may take three to six weeks to recover. Coronavirus disease 2019 (COVID-19) is an infectious disease

caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). While the disease is named COVID-19, the virus that causes it is named severe acute respiratory syndrome coronavirus 2 or SARS-CoV-2. The disease may take a mild course with few or no symptoms, resembling other common upper respiratory diseases such as the common cold. In a study of early cases, the median time from exhibiting initial symptoms to death was 14 days, with a full range of six to 41 days. The virus is typically spread during close contact and via respiratory droplets produced when people cough or sneeze.

#### Libraries Used:

1. beautifulsoup4
2. lxml

#### Flowchart:

