NEWS PORTAL

- ## Problem Statment

In this modern day, everyone expects to access anything the want within a touch of a button. A Portal is most often one specially designed web page which bring information together from diverse sources in a uniform way. News Portal is an online website of a web-based newspaper that allows the users to catch up on the latest news of various categories such as Politics, Sports, Films etc.

- ## Solution Statement

Our solution is to build a Web Application with clean UI where users can access news which is sorted into different categories.

USERS:

- General User: This is an basic user and can perform basic tasks like creating an accounts and browsing news.
- Editor: This person is responsible for creating the news posts which will be read by all the users.
- Admin: This person has the total control of the website. He can block users, delete posts, promote general users to editors.

- ## Approach

TECH-STACK USED

- Flask
- HTML
- Bootstrap
- CSS
- Python
- SQLite3

USERS:

- General User: can search for live news, get the news summary, audio transcription and, translation to his desired language. This is done using NewsAPI, extractive summarization, pyttsx3 and googletrans.
- Editor: Before the editor's post is going to be pushed, Sentiment Analysis is done so as to ensure the matter is not offensive for some readers. This is done using BERT pipeline by Hugging Face transformers

- ## Future Scope

Some further improvements which can be done is adding a channel of communication between the editor and reader.