**Approach**

1. Import the necessary libraries
2. Import the input.xlsx file to read all the links and store it into a dataframe
3. To Scrape the data
   1. Import necessary libraries to scrape the required data
   2. import requests
   3. from bs4 import BeautifulSoup
   4. define a function to get through all the urls
   5. use requests.get() to make an HTTP request to the website and get the HTML content
   6. use for loops and create a BeautifulSoup object from the HTML content
   7. use find\_all() to get the corresponding titles and articles on the page
   8. print the extracted result and store it into a dataframe
   9. save the Dataframe into csv format
4. Text cleaning and preprocessing
   1. Import the csv file of our scraped result
   2. Import nltk libraries
      1. import nltk
      2. nltk.download('punkt')
      3. from nltk.tokenize import RegexpTokenizer
      4. from nltk.corpus import stopwords
      5. import os
   3. tokenize the data to breakdown unstructured data into smaller tokens
   4. remove unwanted symbols using RegexpTokenizer
   5. Stopwords
      1. import folder of stopwords using os
      2. read all the and extract the stopwords then remove all the unnecessary symbols
      3. extend the stopwords library for all the remaining word.
      4. Further extend it using inbuilt stopwords in English
5. Remove the data stopwords from the main dataframe
6. Sentiment Analysis
   1. Read positive and negative words text files and make a combined dictionary ‘emotion\_words’.
   2. Make new dataframe from existing and drop unnecessary columns
   3. Create a function to count the positive and negative words and store the corresponding values in new columns of dataframe.
   4. Calculate polarity score using given formula
7. Calculations of all parameters
   1. Word count in cleaned text
   2. Subjectivity score = (Positive Score + Negative Score)/ ((Total Words after cleaning) + 0.000001)