**Natural Language Processing (NLP) Pipeline**

Natural Language Processing is referred to as NLP. It is a subset of artificial intelligence that enables machines to comprehend and analyze human languages. Text or audio can be used to represent human languages.

The natural language processing (NLP) pipeline refers to the sequence of processes involved in analyzing and understanding human language. The following is a typical NLP pipeline:

* Text & Speech processing
* Sentiment analysis
* Information Extraction
* Text Summarization
* Text generation
* Automatic Question Answering (chat-bot)
* Language Translation

The basic processes for all the above tasks are the same. Here we have discussed some of the most common approaches which are used during the processing of text data.

**NLP Pipeline**

In comparison to general machine learning pipelines, In NLP we need to perform some extra processing steps. The region is very simple that machines don’t understand the text. Here our biggest problem is How to make the text understandable for machines. Some of the most common problems we face while performing NLP tasks are mentioned below.

1. Data Acquisition
2. Text Cleaning
3. Text Preprocessing
4. Feature Engineering
5. Model Building
6. Evaluation
7. Deployment

Study the NLP Pipeline and Submit your Assignment in Hard Copy. Add the code snippets where necessary.