Dharmsinh Desai University
MCA Department

Semester -II

Seminar Report
on
<<topic name>

By

<<Name of student>> <<Rollno of student>>

Index

Points for the formatting of the document

1. Font size of main heading is 16pt, Bold, Times New Roman
2. Font size of sub heading is 14pt,Times New Roman
3. Font size of content is 12pt, Times New Roman
4. Line spacing between content lines is 1.(single line)
5. Line spacing between content line of previous subpoint and heading of next subpoint is **1.5(**refer format)
6. In content bullets can be used (if required)
7. follow the same bullets in entire documents if bullets are used.
8. Alignment of the text must be justify in entire document.
9. Page number in footer of every page after index page.

Following page shows the format for the documentation

1 Introduction
Content here

1.1 Subtopic 1title
Relevant content will be here

1.2 Subtopic 2 title
Relevant content will be here

2 Topic 2
2.1 Subtopic title
Relevant content will be here

2.2 Subtopic title
Relevant content will be here

2 What is NLP?

NLP stands for natural language processing. Natural language processing (NLP) refers to the branch of computer science—and more specifically, the branch of artificial intelligence or AI—concerned with giving computers the ability to understand text and spoken words in much the same way human beings can **[1].** NLP may includes task like speech recognition, Part of speech tagging, Sentiment analysis and named entity recognition. NLP for short –in a wide sense to cover any kind of computer manipulation of natural language.
Some of the use cases of NLP are
1. Spam detection : NLP can be used to find whether email is spam or not spam.
2. Machine Translation : NLP can be used to translated the text form one language to another language.

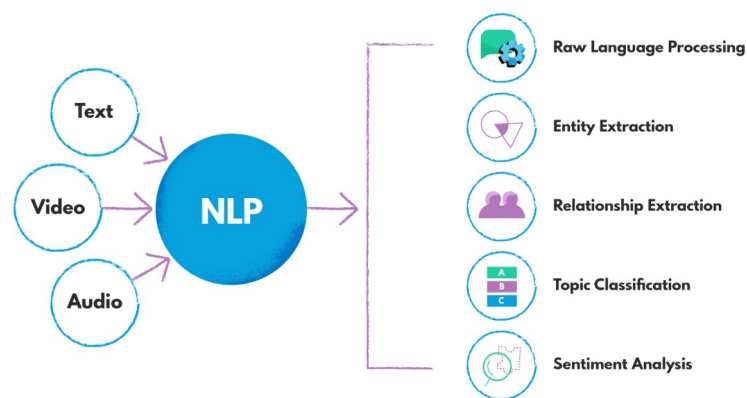**Following figure shows the various task of NLP**

fig 1 : task of NLP **[2]**

2.1 Challenge of Natural Language

Human language is highly ambiguous. It is also ever changing and evolving. People are great at producing language and understanding language, and are capable of expressing, perceiving, and interpreting very elaborate and nuanced meanings. **[3]** It is difficult in natural language processing to define the rule for different languages as each language has its own rules for constructing the semantic meaning of the sentence.

References

1. https://www.ibm.com/cloud/learn/natural-language-processing
2. https://nexocode.com/blog/posts/natural-language-processing-healthcare/
3. https://machinelearningmastery.com/natural-language-processing/