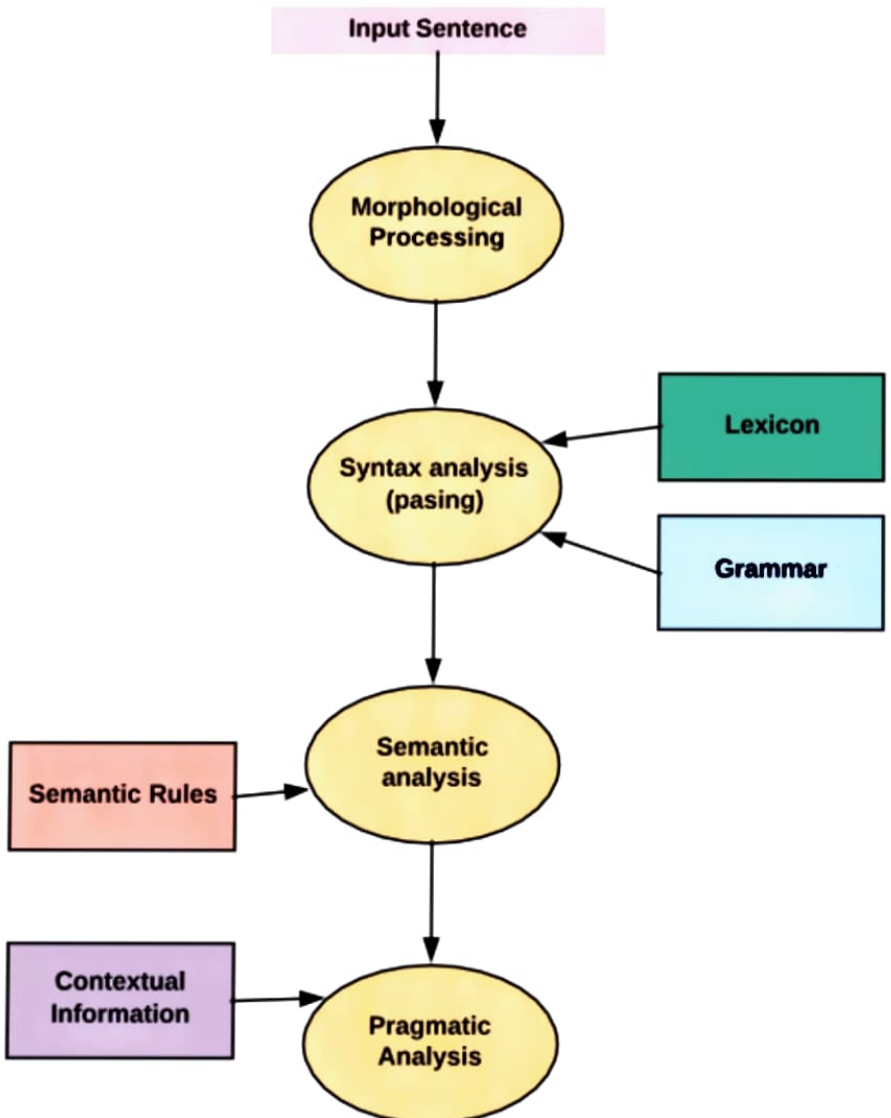# What is Natural Language Processing (NLP)

- The process of computer analysis of input provided in a human language (natural language), and conversion of this input into a useful form of representation.

- The field of NLP is primarily concerned with getting computers to perform useful and interesting tasks with human languages.

- The field of NLP is secondarily concerned with helping us come to a better understanding of human language.

Components of NLP

Five main Component of Natural Language processing in AI are:

- Morphological and Lexical Analysis
- Syntactic Analysis
- Semantic Analysis
- Discourse Integration
- Pragmatic Analysis

Morphological and Lexical Analysis

Lexical analysis is a vocabulary that includes its words and expressions.

It includes dividing a text into paragraphs, words and the sentences

Semantic Analysis

This component transfers linear sequences of words into structures. It shows how the words are associated with each other.

Pragmatic Analysis

Pragmatic Analysis deals with the overall communicative and social content and its effect on interpretation.

Syntax analysis

The syntax refers to the principles and rules that govern the sentence structure of any individual languages.

Discourse Integration

It means a sense of the context. The meaning of any single sentence which depends upon that sentences.