

Natural Language Processing (NLP)

Natural Language Processing is a technology that is used by machines and interpret human's language.

NLP includes both understanding and generation as well as other tasks such as multilingual translation.

Phases of NLP:

1. Morphological Analysis: Individual words are analyzed into their components, and nonword tokens, such as punctuation are separated from the words.
2. Syntactic Analysis: It is used to check grammar, word arrangements and shows the relationship among the words.
3. Semantic Analysis: The structures created by the Syntactic Analyzer are assigned meaning. Structures for which no such mapping is possible may be rejected.
4. Discourse Integration: The meaning of individual sentence may depend on the sentences that precede it and may influence the meaning of the sentences that follow it.

5. Pragmatic Analysis : The structure representing what was said is reinterpreted to determine what was actually meant. eg: the sentence "Do you know what time it is?" should be interpreted as a request to be told the time.