

Natural Language Processing

Course Code : DL08012

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History of NLP

- Phase I : 1940 to 1960
- Phase II : 1960 to 1970
- Phase III : 1970 to 1980
- Phase IV : 1990 to 2000
- Phase V : 2000 to present

Phase I : 1940 - 1960

- Research on NLP started with Machine Translation (MT)
- Automatic Machine Translation from Russian to English.
- It was very basic and rudimentary form.
- Limited experiments were carried out in IBM Georgetown demonstrations.
- First International conference on MT was held in 1952 and Second International conference was held in 1956 at Washington.
- Most of the research work during this period made on Syntax and partially semantic processing.

Phase II : 1960 - 1970

- Second phase work was AI flavoured.
- BASEBALL Question Answering System (1961).
- Emphasis on world knowledge
- Manipulation of meaning representations.

Phase III : 1970 -1980

- SHRDLU (1973)
- Woods (1978)
- ARPA Speech Understanding Project (1980)
- Front end projects were used for interfacing with large automatic databases.
- INTELLECT was first commercial front end

Phase IV : 1980 - 2000

- Statistical Machine Translation
- Rule Based Machine Translation
- Computational Grammar theory

Phase V : 2000 - present

- Example Based Machine Translation
- Text Summarization
- Sentiment Analysis
- Information Retrieval