**Natural Language Processing used in Amazon Alexa**

**Abstract:**

Natural Language Processing is the technology used to aid computers to understand the human’s natural language. Natural Language Processing, usually shortened as NLP, is a branch of artificial intelligence that deals with the interaction between computers and humans using the natural language. The ultimate objective of NLP is to read, decipher, understand, and make sense of the human languages in a manner that is valuable. NLP entails applying algorithms to identify and extract the natural language rules such that the unstructured [language data](https://blog.liveedu.tv/a-quick-introduction-to-text-summarization-in-machine-learning/) is converted into a form that computers can understand. Syntactic analysis and semantic analysis are the main techniques used to complete Natural Language Processing tasks.

Amazon Alexa is one of the bot which is