**ABSTRACT:**  
 **Topic Domain – Natural Language Processing and Text Mining**

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Natural Language Processing, or NLP for short, is broadly defined as the automatic manipulation of natural language, like speech and text, by software. The study of natural language processing has been around for more than 50 years and grew out of the field of linguistics with the rise of computers.

Text mining is the process of exploring and analysing large amounts of unstructured text data aided by software that can identify concepts, patterns, topics, keywords and other attributes in the data. Text mining has become more practical for data scientists and other users due to the development of big data platforms and deep learning algorithms that can analyse massive sets of unstructured data.  
   
Text mining and Natural Language Processing have contributed a lot to Medical data analysis and cure. In our project, we will be using electronic Patient Authored Text (ePAT) in Web 2.0 to analyse the voice authored symptoms of people to predict the disease and the creation of personal health libraries.