

# Natural language processing

## Assignment: 2

### Module: - 3

- ① Explain dependency - path kernel for relation extraction
- ② Explain a Software framework for the task of learning to annotate cases with knowledge roles.
- ③ Explain the functional overview of Impact system
- ④ What is frame Semantics theory & how Semantic role labeling can be done.
- ⑤ Explain the strategies used in active learning approach for acquiring labels using committee based Classification Scheme.
- ⑥ Explain how the relation patterns can be captured using String kernel.

## Module: 4

- ① Explain the semantically guided model for effective text mining.
- ② Explain in detail the high level representation approaches in text mining.
- ③ Define a) Cohesion  
b) Coh-matrix  
c) LSA
- ④ Write a note on various approaches to analyzing texts
- ⑤ Explain document separation as a sequence mapping problem
- ⑥ Describe the evolutionary model for knowledge discovery from texts.
- ⑦ How to evaluate Self explanations in iSTART
- ⑧ How to measure Cohesion of Text-Structure using Latent Semantic Analysis (LSA)