

**Vidyavardhini’s College of Engineering & Technology**

Department of Computer Engineering Academic Year : 2024-25

**Class/Semester:** VE / VII **Course Code:** CSDL7013

**Couse Name:** Natural Language Processing Lab **Laboratory Name:** Network and Security Lab **Course Outcomes:**

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| CSDL7013.1 | Apply text processing techniques on given input |
| CSDL7013.2 | Apply word level analysis techniques on the given data |
| CSDL7013.3 | Apply Syntax Analysis techniques on the given data |
| CSDL7013.4 | Apply Semantic Analysis techniques on the given data |
| CSDL7013.5 | Apply Discourse Analysis techniques on the given data |
| CSDL7013.6 | Design NLP based application |

List of Laboratory Experiments

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| **Exp. No.** | **Name of Experiment** |
| 1 | Literature for Natural Language Processing Application. |
| 2 | Apply Various text preprocessing techniques tokenization and stop word removal. |
| 3 | Apply Various text preprocessing techniques Lemmatization / Stemming. |
| 4 | Perform morphological analysis and word generation for any given text. |
| 5 | Implement POS Tagging for any given text. |
| 6 | Perform Chunking for the given text input. |
| 7 | Implement Named Entity Recognizer for the given text input |
| 8\* | Develop an NLP application to determine the sentiment expressed in a piece of text, classifying it as positive, negative, or neutral. |

Subject In charge HOD

(Dr. Anil Hingmire) Computer Engineering