

Branch Name:	Information and Communication Technology
Program Code:	ET208
Course Name:	Natural Language Processing Practical (Elective-IV)
Course Code:	2ET2080305P
Pre-requisite Course:	Probability and statistics, Programming and data structures

Course Objective:

1. To familiarize the concepts and techniques of Natural language Processing for analysing Words based on Morphology and CORPUS.
2. Tolerate mathematical foundations, Probability theory with Linguistic essentials such as Syntactic and semantic analysis of text.
3. To apply the Statistical learning methods and cutting-edge research models from deep Learning

Teaching and Examination Scheme:

Credit	Teaching Scheme Hours perweek				Evaluation Scheme (Marks)								Total (Marks)
					Theory (Marks)				Practical (Marks)				
	L	T	P	Total	SEE		CCA		SEE		CCA		
					Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	
1	-	-	2	2	-	-	-	-	10	25	10	25	50

LAB/Practical

- 1 To study about Preprocessing of text (Tokenization, Filtration, Script Validation, Stop Word Removal, Stemming).
- 2 To Study and perform Morphological Analysis.
- 3 To Study and implement N-gram model.
- 4 To Study about POS tagging.
- 5 To Study and perform Chunking.
- 6 To Study about Named Entity Recognition.
- 7 To Study and perform Computation of Mean, Standard Deviation, Correlation coefficient of the given Image.