



Department of Linguistics, University of
Mumbai

organizes

**A workshop on
BASIC COMPUTATIONAL LINGUISTICS**

Faculty:

Dr. Sanjukta Ghosh (HSS, IIT BHU) &
Dr. Anil Thakur (HSS, IIT BHU)

Dates: 17th – 21st December, 2018

Venue: Virtual classroom, Pherozeshah Mehta
Bhavan, University of Mumbai

Contact for details: linguistics@linguistics.mu.ac.in

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A workshop on

Basic Computational Linguistics

(17–21 December, 2018)

Faculty: Dr. Sanjukta Ghosh & Dr. Anil Thakur, IIT (BHU), Varanasi.

Aims: To introduce the basics of Computational Linguistics and the applicability of linguistic knowledge to computational research, experimentation, and tools.

Workshop Schedule

Date	Time	Topic
17 / 12/ 2018	10.00 am to 11.30 am	Basics of Computational Linguistics <ol style="list-style-type: none">1. An interdisciplinary field2. Need for Computational Linguistics
	12.00 pm to 1.30 pm	What is Tagging? <ol style="list-style-type: none">1. Lexical Categories2. POS Tagging3. Occurrences of lexicon in context
	2.30 pm to 3.30 pm	What is a tagset? <ol style="list-style-type: none">1. How to make a tagset for words?
	3.30 pm to 5.30 pm	Practical Session: Tagging of given data or data available in your mother tongue.

18/12/2018	10.00 am to 11.30 am	<p>Chunking</p> <ol style="list-style-type: none"> 1. What is chunking? 2. How to define chunk in sentence?
	12.00 pm to 1.30 pm	<p>What is a Chunkset?</p> <ol style="list-style-type: none"> 1. How to make chunksets?
	2.30 pm to 5.30 pm	<p>Practical Session: Chunking the given data or data available in your mother tongue.</p>
19/12/2018	10.00 am to 11.30 am	<p>Parsing</p> <ol style="list-style-type: none"> 1. What is Parsing? 2. Top-down parsing and Bottom-up Parsing 3. Shallow parsing
	12.00 pm to 1.30 pm	<p>Parse tag</p> <p>Noun Clause, Comparative Clause, Adverbial Clause , Relative Clause, and Finite- Infinite clause</p>
	2.30 pm to 5.30 pm	<p>Practical Session: Parsing the given data or data available in your mother tongue.</p>
20/12/2018	10.00 am to 11.30 am	<p>Ambiguity</p> <ol style="list-style-type: none"> 1. Lexical and Structural ambiguity 2. Structural ambiguity: <ol style="list-style-type: none"> a. coordination ambiguity b. attachment ambiguity 3. Local ambiguity
	12.00 pm to 1.30 pm	<p>Word Sense Disambiguation</p> <ol style="list-style-type: none"> 1. Lexical semantics 2. Word sense disambiguation 3. Rules for Word Sense Disambiguation 4. Sense annotation
	2.30 pm to 5.30 pm	<p>Practical Session: Solving the problems of ambiguous data.</p>

21/12/2018	10.00 am to 11.30 am	What is a corpus? Purpose of building corpus Importance of annotation in building corpus
	12.00 pm to 1.30 pm	What is Machine Translation? Issues in Machine Translation
	2.30 pm to 5.30 pm	Discussion of doubts and new queries in POS tagging, Chunking, Parsing, and WSD