



## CENTRAL INSTITUTE OF INDIAN LANGUAGES

Department Of Higher Education

Ministry of Human Resource Development, Government of India

Manasagangotri, Mysore - 570 006

Linguistic Data Consortium for Indian Languages (LDC-IL)



### Workshop Announcement

#### An Introduction to Natural Language Processing

In collaboration with Dept. of Linguistics, BHU

#### Workshop Goals:

Since language processing by computers has come to the centre stage, the major goal of the workshop is to introduce the participants to Natural Language Processing (NLP) and to provide some essential skills and understanding of NLP, in the context of various natural language applications. Development of NLP systems is driven by the building and development of appropriate Lexical Resources. Hence, the workshop will focus on:

- Introducing basic concepts of Linguistics and emerging techniques of automatic/ machine processing of natural languages.
- Provide an understanding of NLP in the context of applications related to Natural Languages.
- Provide a hands-on experience in resource building for Natural Language Applications.

The workshop aims at a cross-fertilization of ideas between the modern and the traditional disciplines and a new synergy for further development of traditional as well as technological fields of study.

#### Workshop Coverage:

There will be lectures, discussions and practice sessions on

- Basic introduction to Linguistics and NLP (Corpus Linguistics)
- Overview of Computational Grammar (POS Tagger, Morph Analyzer/Generator, Chunker, Parser)
- Demonstration of POS tagging in detail and practice.

- Discussion based on issues. Practice session for POS tagging e. NLP and Speech Analysis Tools; demo/Feedback/Discussion

It is expected that the participants of the workshop take active part in the discussion hour.

**Venue:** Dept. of Linguistics

**Date :** 25<sup>th</sup>-29<sup>th</sup> October

**Time :** Forenoon every day

**Contact:** Dr. Anil Thakur (Local Co-ordinator)

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#### Profile of Participants:

Persons who belong to the Humanities streams such as Indian Languages, Indian Grammatical Traditions, etc., Social Science streams such as Linguistics, Philosophy, Psychology, etc., Science and Engineering streams such as Computers, Communications, etc. would benefit from the workshop.

Typically persons who are Masters, M. Phil, Ph.D. Students and other Staff working in Research labs, Faculty members, Research scholars; any of these could participate.

*Some basic familiarity with computers would be useful*