

Natural Language Processing (NLP) and Indic Language Computing

AU-KBC Research Centre for Emerging Technologies

Who Should Attend?

This course is designed for graduate and under graduate students, professionals interested in the rapidly developing field of language technologies in general and specifically Indic language technologies, who seek a comprehensive understanding of language processing. Participants should have basic knowledge in Python/Perl programming. A bit of knowledge on machine learning concepts is desirable though not necessary. This training program is application oriented whose objective is to provide the participants the knowledge to handle real time NLP problems in Indic languages.

Course Structure

The course is structured as In-person, 6 day training program, totalling 36 hours of instruction which combines both lecture sessions and hands-on sessions. Classes will be held at AU-KBC Research Centre for Emerging Technologies, MIT campus of Anna University, Chrompet, Chennai.

Course Fees

The course fee is Rs.3500/- inclusive of GST. This fee covers lectures, hands-on training and complimentary lunch.

Course Summary

The course provides a comprehensive introduction to Natural Language Processing (NLP). This covers fundamental concepts, and its applications, and hands-on experience in using different NLP tools.

Topics Covered:

- Introduction to Linguistics
- Basics of Programming with Python
- Basics of Natural Language Processing (NLP)
- Machine Learning (ML) for NLP
- Deep Learning (DL) for NLP
- Tools & Libraries for NLP
- Applications of NLP

More detailed syllabus is provided on the website – <https://au-kbc.org/nlp-indiclang-course.html>

Hands-on Training:

- Python Programming
- Use of NLP Tools such NLTK and other in-house tools for Indic Language Computing, which will be focussed on Tamil
- Use of ML/DL libraries

Upon successful completion of this course, students will be able to:

- Understand the fundamental concepts of NLP.
- Able to work text pre-processing techniques in Indic Language.

- Gain knowledge of NLP applications.
- Able to handle real time NLP problems in Indic languages

Certificate

Trainees will receive a certificate from Anna University upon completion of the course. There will be evaluation at the end of the course.

Registration Details:

Please register by filling the form, whose link is given below:

<https://forms.gle/xrNf6kXUecUYUizk8>

For any queries you may contact us at:

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Tentative Starting Date: June 23rd, 2025

