



Masterclass: NATURAL LANGUAGE PROCESSING

INTRODUCTION

Natural language processing (NLP) is a field of computer science and artificial intelligence which is concerned with the interactions between computers and human (natural) languages and programming computers to fruitfully process large natural language data. It helps to understand the concepts of morphology, syntax, semantics and pragmatics of the language and to give the appropriate examples that illustrate the above-mentioned concepts. Students learn to recognise the significance of pragmatics for natural language understanding to describe the application based on NLP, and to show the points of syntactic, semantic and pragmatic processing.

COURSE-LEARNING OUTCOMES (CLO)

- Acquire the knowledge of the discourse, generation, dialogue and summarisation within NLP
- Select and utilise Natural Language Tool Kit (NLTK) packages and approaches to syntax and semantics in NLP
- Apply knowledge and develop the programme for statistical approaches to machine translation

WHO CAN ATTEND THIS MASTERCLASS?

This is open to all undergraduate students.

CERTIFICATION

Certificate of Completion in Masterclass Natural Language Processing.

COURSE OUTLINE

1. Introduction to Natural Language Processing (NLP)
2. NLTK Installation
3. Text Analysis with NLTK
4. Text Classification
5. Semantics
6. Pragmatics

