

A Certificate Course in “Computational Linguistics” [for TWO credits]

(15th April to 15th June 2021)

On online Google meet platform

Concept Note:

The Department of Linguistics announces a certificate course in **Computational Linguistics**. Computational Linguistics is closely connected with computer science and general linguistics. It involves the processing of naturally occurring (human) language by computer. It studies the problems of automated generation, manipulation, and understanding of natural human languages. The Software today is dependent on Artificial Intelligence, language processing and computational linguistics is a core component of AI.

This online course provides an introduction to the area of Computational Linguistics. It includes introductions to the major sub areas of the field such as Text Analysis and Speech Analysis, comprising of: speech recognition and synthesis, various Natural Language Processing tools/technologies like morph analyzers and spell checkers, POS tagging, parsing, computational lexicology, WordNet, and machine translation.

The course will introduce the participants to the basic key tools and applications in language technology enabling them to further work in the field on Natural Language Processing and contribute as linguist to Artificial Intelligence in the thriving Software Industry.

Course Objective

The main objective of this course is to introduce to the area of Computational Linguistics.

Learning Outcomes:

After successfully completing this course students will be able -

1. To extract and analyse text corpora
2. To enable further work in the field on Natural Language Processing and to contribute as a linguist to Artificial Intelligence in the thriving software industry.

Course Duration: 30 Hrs (Theory Classes 20 Hrs and Practical Session- 10 Hrs (Language Processing Tools))

Time: Saturday and Sunday From 5:00 p.m. to 7:00 p.m.

Number of Seats: Minimum 10. Maximum 40

Eligibility: Diploma/ Graduation in any discipline from any recognized University.

Credits: 2 Credits

Course Fees: 3000/-

Admission fees: 500/-

Admission Process:

- The application form of the course can be filled up online at website of University (www.dcpune.ac.in)
- A written entrance examination will be conducted on Basic English Grammar and fundamental logical understanding; selection will be based on that.

Faculty: Experienced and Qualified Teachers with M.A. and NET in Linguistics and from Industry experienced in Computational Linguistics

Course Examination:

A written examination will be conducted at the end of the course. The course examination will also include demonstration of Language Technology tools taught with given sample dataset/examples. 75% attendance is required for the Certification.

Important dates

Last Date of submission of application form: 13th April, 2021

Last date of admission: 15th April 2021

Commencement of the course: 15th April 2021

Account Details

Bank: Central Bank of India, **Branch :** Yerwada

Name: Deccan College Deemed University Account

Account Number : 1156861828, **IFSC Code:** CBIN0280664

For further details please contact:

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