



राष्ट्रीयइलेक्ट्रॉनिकीएवंसूचनाप्रौद्योगिकीसंस्थान,कालीकट
National Institute of Electronics & Information Technology, Calicut



सत्यमेव जयते

Ministry of Electronics and
Information Technology
Government of India

On-line Courses Prospectus

ISO 9001-2015 Certified

Basics of Natural Language Processing using Python

10th May 2021
(5 Days)

Course Description

Natural Language Processing NLP is an attempt to interact with humans and human texts. Problems in the domain include analyzing texts to make decisions, translating from one language to another, processing documents, crawling the web, performing a sentiment analysis and so on.

This is an online course including live interactions with participants to identify and apply the appropriate techniques and tools to process NLP.

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Who can attend?

Post Graduate, Graduate students, teachers and working professionals who are interested in Natural Language Processing.

Target Audience

Specially designed for research scholars, PhD students, professionals from education & students.

Course Content

Session	Topic
Day 1	Basics of Python Identify the tasks done by Natural Language Processing Basic Text Processing like Tokenisation, Stemming
Day 2	Pandas , Numpy , Plotting with Python Python Libraries for NLP Finding Parts of Speech with Python
Day 3	Apply basic Text Classification Introduction to Speech Recognition
Day 4	Document Similarity based on TF-IDF Document Clustering
Day 5	Web Crawling Sentiment Analysis using Twitter

Prerequisite

Knowledge of Programming Language

Fee and important dates

Fee	Rs. 500/- (Including GST)
Last Date for registration & payment	6th May 2021
Sharing of Link / passwords & other details	7th May 2021

Certificate

Certificate to all successfully completed candidates.

Minimum Requirements

- Attendees must have a Computer with a good internet connection.
- Attendees can execute the programs in Google Colab / install Python and the necessary Python based libraries on their system to practice.

Faculty

- **Mr. Prasoon Kumar KG, Principal Technical Officer**
- **Ms. Reshma CB, Senior Technical Officer**

Course Coordinator

Reshma CB

Senior Technical Officer

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Terms and Conditions

1. *In case any registered candidate could not attend the online session due to technical issue at their side there will not be any refund of the course fee and the sessions will not be repeated.*
2. *In case the online course is cancelled /postponed due to some technical issue at NIELIT side and new date is not convenient to the candidate, our liability is limited to the refund of the course fee and NIELIT shall not be responsible for any consequential damages.*



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Govt. of India