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

**Ministry of Electronics and Information Technology**
Government of India

# On-line Courses
# Prospectus

ISO 9001-2015 Certified

# Speech Recognition using Python

26th July 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.

[Click Here to Register](#)

## 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<br>Introduction to Speech Recognition |
| Day 2 | Pandas , Numpy , Plotting with Python<br>Python Libraries for Speech Recognition |
| Day 3 | Introduction to Speech and Types of Speech Processing<br>Audio File Analysis |
| Day 4 | Speech to Text – Problem and Demo |
| Day 5 | Speech Translation |

## Prerequisite

Knowledge of Python Programming Language

## Fee and important dates

| Fee | Rs. 1,500/- (Including GST) |
|-----|------------------------------|
| Last Date for registration & payment | 23rd July 2021 |
| Sharing of Link / passwords & other details | 25th July 2021 |

## Certificate

e-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
Mob:9495639330
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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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NIELIT

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Autonomous Scientific Society of
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