



# Faculty Development Programme (FDP) on Machine Learning in Speech Processing

(1<sup>st</sup> to 6<sup>th</sup> Dec 2018)

Organized by

Academic Staff College, K L University, Vaddeswaram, A.P.

In Association With

**Department of ECE, K L University and  
Electronics & ICT Academy, NIT Warangal**

(Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI)



## Preamble :

“Electronics & ICT Academy” was set up at NIT Warangal with financial assistance from MeitY, Govt. of India (GoI). The jurisdiction of this academy is Telangana, Andhra Pradesh, Andaman and Nicobar Islands, Goa, Puducherry and Karnataka states/UTs. This academy role is to offer faculty development programmes in standardized courses and emerging areas of Electronics, Information Communication Technologies, Curriculum development for Industry, Training & Consultancy services for Industry; CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

Machine Learning Usually plays an important role in the transition from data storage to decision systems based on large databases signals such as the obtained from sensor networks, internet services, or communication systems. These systems imply developing both computational solutions and novel models. Speech Processing is a scientific discipline as well as a technology frontier with immense applications. As a scientific discipline it has a long history and as a technology area it is intensively explored both by industry and academia. On one side of the spectrum is the speech & language sciences, such as linguistics, phonetics and psychoacoustics, and on the other side are the signal processing theory and pattern recognition and artificial intelligence. The aim of the workshop is to contribute to the cross fertilization between the research on Machine Learning methods and their applications to Speech Processing.

## Major Course Contents :

- Basics of Speech Processing
- Speech Production and Analysis
- Speech Enhancement and Coding
- Machine Learning for Speech Processing
- Speech Application Building using DNNs
- State of the art ASR and TTS System Building
- Audio Processing

**Hands on session on the above topics will be provided.**

## Faculty Conducting this Programme :

The programme will be conducted by the faculty members from NIT Warangal. Academicians from IITs / NITs / IIITs in concerned field are invited to deliver lectures in the programme. Speakers from industries are also expecting to deliver lectures.

## Eligibility :

The programme is open to the faculty of engineering colleges and other allied disciplines in India. Industry personnel working in the concerned/allied discipline can also attend.

## Organized at:

The programme will be coordinated and conducted by Academic Staff College in association with ECE department, KL deemed to be University, Vaddeswaram.

## Accommodation :

All the outstation selected participants will be provided FREE boarding & lodging in university hostels with nominal cost. No TA will be paid for the participants.

**Venue:** C-Block, Sunflower Hall, KL University.

## Registration Fee Particulars:

- Faculty / Research Scholars : Rs. 2,500/- Only
- SC/ST Faculty : Rs. 1,875/- Only  
(Should submit Caste Certificate to claim concession)
- Industry participants : Rs. 7,500/- Only

SC/ST Concession is only for Faculty of mentioned states. Research scholars are not eligible for SC/ST Concession.

The participants need to send a crossed demand draft (DD) drawn in favor of “**Director, NIT Warangal**” and payable at SBI, NIT Warangal branch or remit the necessary course fee to the Bank as per the details given below.

Account Name	Electronics & ICT Academy NITW
Account Number	62423775910
Name	State Bank of India
Branch	REC Warangal (NIT Campus)
Branch Code	20149
IFSC	SBIN0020149

## How to Apply :

A filled in form of application in the prescribed format duly signed and sponsored by appropriate authorities (along with DD/NEFT Receipt) should reach the coordinator by speed post. It is also mandatory to send scanned application form & DD/NEFT receipt through e-mail to [naveengattim@kluniversity.in](mailto:naveengattim@kluniversity.in) as selection will be intimated only through mail.

## Selection Criteria :

Selection will be done based on *first-cum-first-serve basis* and the confirmed candidates will be notified immediately. The maximum number of participants will be **50 (fifty)**. Additionally 10 participants from industry are allowed to participate. The list of selected participants will be sent to their personal *e-mail* ids. In case a candidate is not selected, the demand draft will be sent back. A test will be conducted at the end of the course. Candidates will be issued satisfactory certificate on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

## Important Dates :

Last date for submission of application : **24<sup>th</sup> November, 2018**

Selection-list intimation/display before : **27<sup>th</sup> November, 2018**

Duration of Program : **1<sup>st</sup> to 6<sup>th</sup> Dec, 2018**

## About NIT Warangal :

National Institute of Technology (formerly Regional Engineering College), Warangal is the first among 17 RECs setup as joint venture of the Government of India and the state government. Over the years the college has established itself as a premier Institution imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering, M.Tech & Ph.D programs in various specializations.

## About KLU:

The Koneru Lakshmaiah Charities was established as a trust in the year 1980 and started K L College of Engineering in the Academic year 1980-81. The trust was converted into a Society by the name Koneru Lakshmaiah Education Foundation in the year 1996. The KL College of Engineering has attained autonomous status in the year 2006 and in February 2009, the Koneru Lakshmaiah Education Foundation Society was recognized as Deemed to be University.

K L deemed to be University accredited with NAAC A++ is situated in a spacious 100-acre campus on the banks of Buckingham Canal aptly named "Green Fields" and the splendid avenue of trees and gardens bear testimony to the importance of ecology and environment. The campus ambience is most befitting for scholastic pursuits. It offers 23 UG programs, 26 PG programs, 28 integrated degree programs and dual degree programs. In addition to the research program in 14 disciplines, KLU has the credit of housing world class Centers of Excellence to boost research in emerging areas.



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**APPLICATION FORM**

1. Name of the Applicant :
2. Designation :
3. Institution :
4. E-mail ID :
5. Mobile No. :
6. Category
  - Faculty/Scholars (Rs. 2,500/-)  Demand Draft No: \_\_\_\_\_
  - SC/ST Faculty from mentioned states (Rs. 1,875/-)  NEFT/ UTR No. : \_\_\_\_\_
  - Industry Participants (Rs. 7,500/-) Bank : \_\_\_\_\_ Date : \_\_\_\_\_
7. Payment Mode
8. Address for Correspondence :
9. Subjects taught so far :
10. Educational Qualifications with specialization :
11. No. of refresher courses/workshops attended :
12. Experience (in years) :  Teaching  Research  Industry
13. Do you belong to reservations SC/ST ( YES / NO ) : If YES, please specify\* \* Attach photo copy
14. Do you require accommodation during Training : YES / NO

**Declaration**

The information provided is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the FDP and shall attend the course for the entire duration. I also undertake the responsibility to inform the Coordinator in case, I am unable to attend the course.

Place :

Date :

**Signature of the Applicant**

**SPONSORSHIP CERTIFICATE**

Dr./Mr./Ms. .... is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on “Machine Learning in Speech Processing” sponsored by Electronics & ICT Academy during 1<sup>st</sup> to 6<sup>th</sup> Dec, 2018 at K L University.

Place :

Date :

**Signature of Principal / Head of Institution**

**Address for correspondence**

**Post your application form along with DD/NEFT Receipt to**

**Dr. G. Naveen Kishore**

Associate Professor,

Dept. of ECE

K L University,

Vaddeswaram, AP - 522502.

**Email : naveengattim@kluniversity.in**

**Mobile : 9885753510**

**Coordinators:**

**Dr. T. Kishore Kumar**

Professor

Dept. of ECE

NIT Warangal

Telangana

**Dr. G. Naveen Kishore**

Assoc. Professor

Dept. of ECE

K L University

Andhra Pradesh

**Dr. V. Rajesh**

Professor

Dept. of ECE

K L University

Andhra Pradesh

For more details about Electronics and ICT academy please visit: <http://www.nitw.ac.in/eict/>