

Faculty Development Programme (FDP)

on

ADVANCED DEEP LEARNING TECHNIQUES

13th to 18th MAY, 2019



Organized by:

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

In Association with

Department of Computer Science Engineering, 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.

Deep Learning is a process of data mining, which uses architectures of a deep neural network, which are specific types of artificial intelligence and machine learning algorithms that have become extremely important in the past few years. Deep learning allows us to teach machines how to complete complex tasks without explicitly programming them to do so. We're entering the era of artificial intelligence and machine learning. In future machines will be doing many of the jobs that humans are currently doing today. Machines will teach themselves how to solve problems. We just need to provide the data. Let us learn about the techniques that allow deep learning to solve a variety of problems from this workshop.

Major Course Contents :

- Introduction to Deep Learning.
- Hardware and Software basics for Deep Learning.
- Deep Learning Frameworks & ready-made networks- CNN, RNN, DNN, GAN, RCNN.
- Approaches to manage Object Detection, Classification.
- Ways to deal with Image Segmentation, Labelling.
- Deep Learning Applications.
- Optimization for Training Deep Models.

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 CSE 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 “**Electronics & ICT Academy, 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 shahanabano_cse@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 : **02nd May, 2019**

Selection-list intimation/display before : **07th May, 2019**

Duration of Program : **13th May -18th May, 2019**

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 “**Advanced Deep Learning Techniques**” sponsored by **Electronics & ICT Academy** during 13th May to 18th May, 2019 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. Shahana Bano
Associate Professor,
Dept. of CSE,
K L University,
Vaddeswaram, AP - 522502.
Email : shahanabano_cse@kluniversity.in
Mobile : 8142621992

Coordinators:

Dr.D.V.L.N. Somayajulu
Professor,
Dept. of CSE,
NIT Warangal
Telangana.

Dr. Shahana Bano
Assoc. Prof.,
Dept. of CSE,
K L University.
Andhra Pradesh.

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