



# FACULTY DEVELOPMENT PROGRAMME (FDP) ON Artificial Intelligence and Deep Learning

(18<sup>th</sup> to 23<sup>rd</sup> November 2019)

Organized by

**E & ICT Academy, National Institute of Technology, Warangal**  
At

**Pragati Engineering College (Autonomous), Surampalem, E.G. Dist., A.P.**  
(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, GoI. The jurisdiction of this academy is Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry and Andaman & Nicobar Islands. This academy role is to offer faculty development programmes in standardized courses and emerging areas of Electronics, Information Communication Technologies, training & consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

## About the FDP:

This FDP introduces fundamentals of Artificial Neural Networks, different Deep Learning Models, applications and research outcomes addressing the theoretical and practical aspects on "Artificial Intelligence and Deep Learning".

## Major Course Contents:

- Introduction to ANN
- ANN Basics, Feedforward Networks
- Introduction to NLP
- Multilayered Perceptron
- Back Propagation in Neural Networks
- Convolutional Neural Networks
- Deep Learning with Tensorflow and Keras
- Image Segmentation
- Word-Embedding Models
- Applications of LSTM
- Medical data applications using Deep learning
- Object detection and action recognition

## Faculty conducting this programme:

The programme will be conducted by the faculty members from NIT Warangal; Academicians in the concerned field from IITs/NITs/IIITs/Central Universities/Scientific Organizations are invited to deliver lectures in the programme. Speakers from industries are also expected to deliver as part of the course.

## Eligibility:

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

## Registration Fee Particulars:

Faculty and Research Scholars	2500/-
Industry Participants	7500/-

\*The fee is to be paid either in the form of DDs or online transfer using the following details:

DD Details	Online Transfer Details
Demand Draft in favor of "Electronics & ICT Academy NITW, NIT Warangal" payable at any bank in Warangal	Account Name: Electronics & ICT Academy NITW Account No: 62423775910 IFSC: SBIN0020149

## Accommodation:

Accommodation will be provided to the selected outside participants on prior request. No TA/DA will be paid for the participants. Working Lunch, Tea & Snacks would be provided during the Training in the campus.

**Venue:** Conference Hall & CSE Labs, Pragati Engg. College.

## How to apply:

A filled in form of application in the prescribed format duly signed and sponsored by appropriate authorities (along with demand draft) should reach the coordinator by speed-post. It is also mandatory to send scanned application form and demand draft through e-mail to [srao.ch@pragati.ac.in](mailto:srao.ch@pragati.ac.in). Selection will be intimated only through mail.

## Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 50 (fifty). Additionally 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD will be sent back. Candidates will be issued satisfactory certificates on successful completion of the course. Reservations are followed for selecting candidates as per GoI norms.

## Important dates:

Last date (Application & DD)	10 <sup>th</sup> November 2019
Selection List by E- mail	15 <sup>th</sup> November 2019
Duration	18 <sup>th</sup> – 23 <sup>rd</sup> November 2019

## About NIT Warangal:

**National Institute of Technology, 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 Institute imparting technical education of a very high standard leading to the B.Tech degrees in various branches of engineering, M.Tech. and PhD programs in various specializations. All B. Tech and M. Tech programmes of NIT Warangal are NBA accredited.

## About Pragati Engineering College:

Pragati Engineering College (A) was established in the year 2001, by M/s GAYATRI EDUCATIONAL SOCIETY in Surampalem, East Godavari District, A.P. The institution is accredited by NAAC with "A" Grade in the year 2015 and attained the Autonomous status in 2016. Pragati has been graded as GOLD in the AICTE-CII survey of Industries - Linked Technical Institutions - 2016. It is rated as "A" grade by Knowledge Mission, Govt. of India. Pragati has been designated as centre of Excellence (Knowledge Exchange Centre) by M/s Infosys Ltd and R&D division of our college has sponsored Research Projects and consultancy works to the tune of one crore. College is identified as APSSDC Siemens – Technical Skill, Development Centre and established laboratories in collaboration with Siemens and with GAIL. College is recognized as CM's Centre of Excellence, Pragati Innovation Hub – Knowledge Partner Deloitte and is having AI and Deep Learning laboratory and Dassault systems laboratory. College attained AAA rating for the year 2017 by Careers 360 and has been ranked one among the Top 10 Colleges in A.P. by Silicon India.



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- Name :
- Designation :
- Institution :
- Email :
- Mobile No :

DD	Online Transfer
DD No:	Reference No:
Amount:	
Bank :	
Date:	

- Address for Correspondence:

- Educational Qualification:

- Subjects taught so far:

- No. of refresher courses/workshops attended:

- Experience (in years):

Teaching:      Research:      Industry:

- Accommodation required:      YES /NO

- Do you belong to SC/ST :      SC       ST

### 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.

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 "Artificial Intelligence and Deep Learning", sponsored by Electronics & ICT Academy 18<sup>th</sup> to 23<sup>rd</sup> November 2019 at Pragati Engineering College (Autonomous), Surampalem.

Signature of Head of Institution  
(with seal)

### Address for correspondence

Post your application form with DD to

**Dr. S Rao Chintalapudi**

**Training Coordinator for FDP on "Artificial Intelligence and Deep Learning"**

**Associate Professor,  
Department of CSE,**

**Pragati Engineering College (Autonomous),  
ADB Road, Surampalem, Near Peddapuram,  
E.G. Dist., A.P. – 533437**

**E-mail the scanned copies of filled-in and  
duly signed application form along with DD  
to [srao.ch@pragati.ac.in](mailto:srao.ch@pragati.ac.in)**

**For more details about Electronics & ICT  
Academy, NITW, please visit:**

**<http://nitw.ac.in/eict>**

**For more enquiries please contact:**

**Mobile: 9949379392**

**E-mail: [srao.ch@pragati.ac.in](mailto:srao.ch@pragati.ac.in)**

### Coordinators

**Dr. R. B. V. Subramanyam**  
**Professor and Head**  
**Department of CSE,**  
**NIT Warangal**  
**Telangana -506004**  
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**Associate Professor**  
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