



**Faculty Development Programme (FDP)**  
On  
**Soft Computing Techniques for Analysis of Large Data Sets**  
**4<sup>th</sup>- 9<sup>th</sup> February 2019**



organized by  
**National Institute of Technology Andhra Pradesh**

in association with  
**E & ICT Academy, National Institute of Technology 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, 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:**

As part of an initiative of E & ICT, a Faculty Development Programme (FDP) on "Soft Computing Techniques for Analysis of Large Data Sets" is being conducted at NIT Andhra Pradesh to the faculty members of Engineering, Research Scholars and other allied disciplines from India. This FDP is devoted to fundamental theory, recent developments and research outcomes addressing the related theoretical and practical aspects of Soft Computing techniques. In this FDP 12 hands on lab sessions are included to develop a spark cluster and execute all the soft computing techniques on large data sets using spark cluster.

**Major Course Contents:**

- Introduction to Soft Computing
- Fuzzy Logic, Fuzzy C Means Clustering
- Fuzzy Rule Base Systems, Rough Sets
- Genetic Algorithms, Particle Swarm Optimization
- Firefly Algorithm, Ant Colony Optimization
- Artificial Neural Networks, Deep Learning
- Sources of generation of Large and Heterogeneous Data
- Learning with Internet of Things Data
- Computer Programming on Large Data (Python/Scala)

**Faculty conducting this programme:**

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

**Registration Fee Particulars:**

Faculty and Research Scholars from Telangana, Andhra Pradesh, Karnataka, Puducherry, Andaman and Nicobar Islands, Goa	Rs. 2500/-
Faculty of SC/ST Category from Telangana, Andhra Pradesh, Karnataka, Puducherry, Andaman and Nicobar Islands, Goa	Rs. 1875/- (SC/ST participants should submit the copy of their caste certificate to claim the concession along with application form)
Industry Participants	Rs. 7500/-
Participants from other states	Rs. 8500/-

**SC/ST concession is only for faculty of mentioned states. Research Scholars are not eligible for SC/ST concession.**

The entire registration fee is to be collected in the form of DDs/online transfer using the following details:

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

**Eligibility:**

The programme is open to the teachers of Engineering Colleges, MCA Colleges and other allied disciplines in Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry, Andaman and Nicobar Islands. Industry personnel working in the concerned/allied discipline can also attend.

**Accommodation:**

All the selected participants will be provided FREE boarding & lodging in the NIT Andhra Pradesh guest house. No TA will be paid for the participants

**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 [srilatha.chebrolu@nitandhra.ac.in](mailto:srilatha.chebrolu@nitandhra.ac.in) as 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 certificates on successful completion of the course. Reservations are followed for selecting candidates as per GOI norms.

**Important dates:**

Last date (Application & DD)	31 <sup>st</sup> January 2019
Selection List by E- mail	1 <sup>st</sup> February 2019
Duration	4 <sup>th</sup> – 9 <sup>th</sup> February 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 Ph.D programs in various specializations. All B.Tech and M.Tech programmes of NIT Warangal are NBA accredited.

**About NIT Andhra Pradesh:**

National Institute of Technology, Andhra Pradesh is the 31<sup>st</sup> institution among the chain of NITs started by the Government of India. NIT Andhra Pradesh is established in the state of Andhra Pradesh recently in the academic year 2015 – 2016.



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1. Name :  
2. Designation :  
3. Institution :  
4. Email :  
5. Mobile No :  
6. DD No:  
Bank:  
Date:  
Amount:

**SPONSORSHIP CERTIFICATE**

Dr. /Mr. /Ms. .... is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on “**Soft Computing Techniques for Analysis of Large Data Sets**”, sponsored by Electronics & ICT Academy during 4<sup>th</sup> February – 9<sup>th</sup> February, 2019 at **NIT Andhra Pradesh**.

Signature of Head of Institution  
(with seal)

7. Address for Correspondence:

Address for correspondence  
Post your application form with DD to

8. Educational Qualification:  
9. Subjects taught so far:

**Dr. Srilatha Chebrolu,**  
**Assistant Professor,**  
**Dept. of Computer Science and Engineering,**  
**National Institute of Technology Andhra Pradesh,**  
**Sri Vasavi Engineering Campus, Pedatadepalli,**  
**Tadepalligudem, West Godavari,**  
**Andhra Pradesh, India - 534102**

10. No. of refresher courses/workshops attended:  
11. Experience (in years):  
Teaching:      Research:      Industry:

E-mail the scanned copies of filled-in and duly signed application form along with DD to [srilatha.chebrolu@nitandhra.ac.in](mailto:srilatha.chebrolu@nitandhra.ac.in)

12. Accommodation required:      YES /NO  
13. Do you belong to SC/ST :      YES /NO  
(If yes, please specify and attach a copy of caste certificate to claim the concession)

For more details about Electronics & ICT Academy, NIT Warangal please visit: <https://nitw.ac.in/eict>

For more enquiries please contact:  
Mobile: 8330967036

**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

**Coordinators**

**Dr. Srilatha Chebrolu**  
**Assistant Professor**  
**Dept. of Computer Science and Engineering**  
**National Institute of Technology Andhra Pradesh**

**Dr. Rashmi Ranjan Rout**  
**Associate Professor**  
**Dept. of Computer Science and Engineering**  
**National Institute of Technology Warangal**