



A SIX-DAY FACULTY DEVELOPMENT PROGRAMME (FDP) ON

SOFT COMPUTING TECHNIQUES AND APPLICATIONS

(13th – 18th May 2019)

Organized by

Vignan's Nirula Institute of Technology and Science for Women, Guntur
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, Gol. 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:

Soft computing techniques are search and optimization methods that find the best solutions to the computationally hard problems for which no known conventional (hard) methods exist. These methods are different from conventional computing methods in a way that they are tolerant of imprecision, uncertainty, and partial truth. Therefore, these methods find their applications in every walk of research life be it engineering, design, management, history, arts, and geography. This FDP is devoted to fundamental theory, recent developments and research outcomes addressing the related theoretical and practical aspects of Soft Computing techniques in all engineering domains for the technical teachers upon the various key technologies used these days. In this FDP, hands-on lab sessions are included to develop and execute all the soft computing techniques

Major Course Contents:

- Conventional Methods used for Optimization Techniques
- Linear and Non-Linear Programming
- Genetic Algorithm (GA) & Applications
- Particle Swarm Optimization (PSO) Algorithm & Applications
- Differential Evolution (DE) Algorithm & Applications
- Teaching Learning Based Optimization (TLBO) Algorithm & Applications
- JAYA Algorithm & Applications

Faculty conducting this programme:

The faculty members from NIT Warangal will conduct the programme; 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.

Eligibility:

The programme is open to faculty of all branches in 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	Rs. 2500/-
Faculty of SC/ST Category	Rs. 1875/-
Industry Participants	Rs. 7500/-

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

Accommodation

Free Accommodation will be provided for the outstation female participants by the host Institute on prior request. No TA/DA will be paid to the participants

Payment mode:

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

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

How to apply:

The participants should fill both the offline and online application forms available in the institute website www.vignannirula.org. Participants must sign in their Gmail account before filling the online application form. The hard copy of filled in offline application form duly signed by the candidate, sponsorship certificate duly signed by appropriate authorities (if any), copy of the SC/ST caste certificate (if any) and the receipt of online payment transaction/ demand draft (DD) should reach the coordinator by speed-post to the address given in the offline application form on or before 1st May, 2019 by 5pm. Selection will be intimated only through e-mail. Participants are requested to write their name and contact number backside of demand draft/receipt of the online payment transaction.

Selection Criteria:

Selection will be done based on the 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 of online application	24 th April 2019
Last date of offline application	1 st May 2019
Selection List by Email	2 nd May 2019
Dates of FDP	13 th – 18 th May 2019

About NIT Warangal:

National Institute of Technology, Warangal is the first among 17 RECs set up the 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 VNITSW:

Vignan's Nirula Institute of Technology & Science for Women (VNITSW) was established in the year 2008 under the aegis of Lavu Educational Society and headed by experienced academician and visionary Dr. Lavu Rathaiah. It marks the most sought-after choice for girl students aspiring to pursue a quality Engineering education. Splendid Avenue, imposing buildings, and close to Guntur make it one of the most preferred options for the aspirants. It is affiliated to JNTUK, Kakinada and approved by AICTE.

This institute has a sophisticated infrastructure with dedicated, well qualified, and experienced faculty. This institute offers courses at the Undergraduate level in four areas of engineering (CSE, ECE, EEE, IT), at the Post Graduate level in two areas of engineering M. Tech (CSE), M. Tech (DECS) and Master of Business Administration (MBA). The library is equipped with adequate volumes of books, journals with digital library facility.