ONLINE FACULTY DEVELOPMENT PROGRAM (FDP)
ON
Recent Trends in Soft Computing Techniques& Machine Learning

(25th November - 4th December 2021)

Organized by

E & ICT Academy, NIT Warangal

in association with

Swami Kartikeyan Vedic Vishwavidylaya, Tamilnadu, India
(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 at Telangana, Andhra Pradesh, Karnataka, Goa, Puducherry and Andaman & Nicobar Islands. This academy's role is to offer Faculty Development Program in standardized courses in 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 FDP:

The Faculty Development Program will help to disseminate the knowledge in the domain of science and Technology. Soft computing is an emerging approach to computing which is in parallel with the remarkable ability of the human mind to reason and learn in an environment of uncertainty and imprecision. Soft computing is based on some biological inspired methodologies such as genetics, evolution, ant's behaviors, particles swarming, human nervous systems, etc.

Soft computing and machine learning encompasses techniques like Neural networks, fuzzy logic and optimization algorithms, machine learning and it has emerged as an effective tool for the purpose of modeling, control and decision-making problems in complex systems. This FDP will provide a platform for learning Soft Computing and machine learning algorithms with their application in various domains.

Major Course Contents:

- ❖ Soft Computing Techniques
- ❖ Genetic Algorithm
- ❖ Differential Evolution
- ❖ Particle Swarm Optimization
- ❖ Artificial Bee Colony
- ❖ Introduction to Other Optimization Techniques
- ❖ Real Time Applications of soft computing
- ❖ Optimization Techniques.
- ❖ Feature Selection Methods
- ❖ Dimensionality Reduction Methods
- ❖ Machine Learning Techniques
- ❖ Fuzzy logic Controller
- ❖ Adaptive Neuro-Fuzzy Inference System
- ❖ Embedded Systems.
- ❖ Artificial Neural Network.
- ❖ Introduction to artificial Intelligence
- ❖ Advances in Artificial Intelligence

Faculty conducting this program:

The program will be conducted by the faculty members from NIT Warangal and Sabarmati University; Academicians in the concerned field from IITs/NITs/IIITs/renowned universities, have been invited to deliver the lectures in the program.

Registration Fee Particulars:

Faculty and Research Scholars	Rs.750/-
Industry Participants	Rs.2250/-

Participants need to pay the Registration Fee Online using the Following details

Online Transfer Details
Account Name: Electronics & ICT Academy NITW Account No: 62423775910 IFSC: SBIN0020149 Bank and Branch: **State Bank of India, NIT (REC) Warangal**

How to apply:

Participants are required to fill the online registration form by clicking on the following link:

https://forms.gle/wgGHorXszM1nESGG6

Selection Criteria:

Selection will be done based on first-come-first-serve to a maximum number of 60 (sixty). Additionally, 10 participants from industry are allowed to participate. The list of selected participants will be intimated through e-mail. In case the candidate is not selected, the registration amount will be refunded. 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)	22/11/2021
Selection List by E- mail	24/11/2021
Duration	25/11/2021 to 4/12/2021

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 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 programs of NIT Warangal are NBA accredited.

About Swami Katikeyan Vedic Vishwavidyalaya:

Swami Kartikeyan Vedic Vishwavidyalaya (SKVV) is a Self Financed, Autonomous, Accredited, Career Oriented Vishwavidyalaya committed to providing top quality academic services to esteemed students. New learning methodologies have evolved and, to a great extent, transformed professional education into a technology based industry. SKVV offers a number of accredited programs in various streams. The degree, certificate and diploma programs offered by SKVV are accredited from National/ International Accreditation Agencies, accepted and recognized all over the world.

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1. Name :

2. Designation :

3. Institution :

4. Email :

5. Mobile No :

6.

Reference No:	
Amount:	
Bank :	
Date:	

7. Address for Correspondence:

8. Educational Qualification:

9. Subjects taught so far:

10. No. of refresher courses/workshops attended:

11. Experience (in years):

   Teaching: Research: Industry:

12. Do you belong to SC/ST :   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.

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 **"Recent Trends in Soft Computing Techniques and Machine learning"**, sponsored by Electronics & ICT Academy during **24th November - 4th December-2021** at **Swami Kartikeyan Vedic Vishwavidylaya, Tamilnadu, India**.

Signature of Head of Institution (with seal)

Address for correspondence
Post your application form to
Dr. Pramila Bajpai
Professor, Department of Mathematics,
Swami Kartikeyan Vedic Vishwavidylaya,
Tamilnadu,-627005 India

It is requested to all the delegates, after completion of application form, screenshot of the payment details and scanned application form has to be uploaded in the following online registration link.

Registration Link:
https://forms.gle/wgGHorXszM1nESGG6

For more details about Electronics & ICT Academy, NIT, Warangal, please visit:

https://nitw.ac.in/eict

For more enquiries please contact to:

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Co-ordinators

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**Swami Kartikeyan Vedic Vishwavidylaya,
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