



ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)

ON
METAHEURISTIC TECHNIQUES FOR ENGINEERING APPLICATIONS
16th – 23rd July, 2021

Organized by
**Kakatiya Institute of Technology & Science
(Autonomous), Warangal**

In association with
E & 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, 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 (FDPs) in standardized courses and emerging areas of Electronics, Information Communication Technologies, training and consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

This FDP is devoted to address the need to enhance the knowledge about the latest development pertaining to **Metaheuristic Techniques For Engineering Applications** is being conducted at **National Institute of Technology, Warangal**. The whole course is handled by academicians and industry experts.

Major Course Contents:

- Introduction to Metaheuristic approach
- Genetic algorithm
- Differential Evolution algorithm
- Particle swarm optimization algorithm
- Ant colony optimization
- Teaching Learning algorithm
- Rao Algorithm
- Jaya algorithm
- Simulated annealing algorithm
- Fuzzy Logic
- Neural networks
- Hybrid Intelligent systems
- Constraint optimization technique
- Case studies on Metaheuristic approach

Faculty conducting this programme:

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

Eligibility:

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

How to apply:

Participants are required to fill the online registration form by clicking on the following link:
<https://forms.gle/xXyzaBq2ueNHDR5F9>

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

Selection Criteria:

Selection will be done based on first-come-first-serve basis to a maximum number of 100 (hundred). The list of selected participants will be intimated through e-mail. In case a candidate is not selected, the DD/online payment 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 for submission of Application	11/07/2021 (11:59 PM)
Selection List by E- mail	12/07/2021 (11:59 PM)
Duration	16/07/2021 to 23/07/2021

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 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 programs of NIT Warangal are NBA accredited.

About KITS Warangal:

Kakatiya Institute of Technology & Science is one of the premier institutes in Telangana state is sponsored by Ekasila Educational society, which was established in 1980. The institute is approved by AICTE, New Delhi, permanently affiliated to Kakatiya University, and accredited by NAAC with 'A' grade and is UGC autonomous. I3C, KITSW has collaboration and MoU with NITW for research & development, teaching and learning. The institute offers B.Tech, MTech/MBA and PhD in engineering and management) courses.



ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)
ON
METAHEURISTIC TECHNIQUES FOR ENGINEERING APPLICATIONS
(16th-23rd July 2021)



Organized by
Kakatiya Institute of Technology & Science
(Autonomous), Warangal

In association with
E & ICT Academy, NIT Warangal

(Sponsored by Ministry of Electronics and Information Technology (MeitY), GOI)

SPONSORSHIP CERTIFICATE

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

Dr. /Mr. /Ms. is an employee of our Institute/Organization and is hereby sponsored to participate in the FDP on "Metaheuristic Techniques for Engineering Applications", sponsored by Electronics & ICT Academy during 16th-23rd July, 2021 at NIT Warangal.

Signature of Head of Institution
(with seal)

7. Address for Correspondence:

Interested faculty members, please fill the following Google form:

<https://forms.gle/xXyzaBq2ueNHDR5F9>

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

Address for correspondence

Post your application form to

S. Naga Raju

Associate Professor, Dept. of CSE,
Kakatiya Institute of Technology & Science,
Warangal- 501015,
Telangana, India.

Email: sn.cse@kitsw.ac.in

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.

For enquiries please contact:

Dr. Manjubala Bisi / S. Naga Raju

Mobile: +91-9502940360 /+91-9885566578

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

Signature of Applicant

Coordinators

S. Naga Raju,
Associate Professor,
Dept. of CSE
KITS, Warangal, Ph: 9885566578
Email: sn.cse@kitsw.ac.in

Dr. Manjubala Bisi
Assistant Professor,
Dept. of CSE
NIT Warangal, Ph:9502940360