



Short Term Course on
Advanced Optimization Techniques for Engineering Applications (AOTE-2023)

July 03-07, 2023

Organized by:
Electronics and Communication Engineering Department
National Institute of Technology, Kurukshetra-136119

Patron:

Dr. B.V.R. Reddy
Director

Convener:

Prof. Brahmjit Singh
(Dean P&D)

Coordinators:

Dr. Poonam Jindal
Dr. Ritu Garg

Important dates:

Course dates: 03-07 July 2023

Last date for registration:
26 June, 2023

Notification of selection:
28 June, 2023

Registration form along with
course fee should be sent to:

Dr. Poonam Jindal

Assistant Professor
NIT Kurukshetra-136119
Cell phone: 9466620527

Email us at:

poonamjindal81@nitkkr.ac.in
ritu.59@nitkkr.ac.in

For any queries, you may
contact us:

PoonamJindal: 9466620527
Ritu Garg: 9896114469

About the course:

The main objective of this short-term course is to provide a forum in which the participants obtain information about recent advances in optimization techniques. It also highlights successful applications of optimization in various areas. It comprises of sessions for the participants to introduce them to a number of modern optimization methodologies and their application/case studies from a wide variety of real world interdisciplinary engineering problems. Owing to the interdisciplinary nature of this course, participants across the disciplines will be able to attend, appreciate and augment their knowledge to keep with the emerging advanced techniques. The course intends to focus on advances in the following domains, but is not limited to:

- Optimization Techniques –introduction
- Recent Meta-heuristics –Ant Lion Optimization
- Genetic Algorithm (GA), Swarm Intelligence, Ant Colony Optimization (ACO)
- Neural network based and fuzzy based optimization.
- AI enabled learning based optimization techniques
- Guidelines on publishing research papers- reviewers perspective, plagiarism checking
- Hands-on training using MATLAB and other Software Tools Python, Java etc.

Target audience:

- Faculty of engineering colleges
- Graduate students pursuing research in related areas
- Industry professionals/personnel/scientists working in public/private/Govt. organizations

#Mode of STC: STC will be in hybrid mode, where each of the participant is to be present physically at STC Venue and only a few can participate in online mode with special permission.

Registration fee: Academic Faculty: Rs. 3000, Students: Rs. 1000, Industry/ R&D: Rs. 6000. The fee includes refreshment, breakfast, lunch, & dinner for five days, course kit and lecture notes. Accommodation on request may be provided in hostel/guest house on nominal payment basis subject to the availability. The registration form complete in all respect accompanied by demand draft of requisite amount should reach the course coordinator latest by 26 June 2023.

For more details and registration information, visit the website

www.nitkkr.ac.in

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Name (Block Letters):M/F.....

Designation:

Institution/Organization:

Experience:.....

Educational Qualifications: (Degree):

Specialization:

Mailing address:

Mobile:.....

Email:

Accommodation required (Yes/No):.....

Registration fee details:.....

No.....Amount.....

Issuing bank..... Date:

Signature

Place:.....