



Short Term Course on
Advanced Optimization Techniques for Engineering Applications (AOTE-2019)

July 22-26, 2019

Organized by:

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

Patron:

Dr. Satish Kumar
Director

Co-Patron:

Dr. N.P. Singh
Head of Department (ECE)

Convener:

Prof. Brahmjit Singh
(Professor ECE)

Coordinators:

Dr. Poonam Jindal
Dr. Ritu Garg

Important dates:

Course dates:

22-26 July 2019

Last date for registration:

15 July, 2019

Notification of selection:

18 July, 2019

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:

Poonam Jindal: 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 - Spider Monkey Optimization
- Genetic Algorithm (GA), Swarm Intelligence, Ant Colony Optimization (ACO), Cuckoo search optimization
- Teaching-Learning Based Optimization (TLBO) algorithm, Differential Evolution (DE)
- Neural network based and fuzzy based optimization.
- 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

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 15 July 2019.

For more details and registration information, visit the website

www.nitkkr.ac.in

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Advanced Optimization Techniques for Engineering Applications
(AOTEA-2019) July 22-26, 2019**

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

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

Designation:

Institution/Organization:.....

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Experience:.....

Educational Qualifications: (Degree):..... Specialization:.....

Mailing address:.....

.....

Telephone:.....

Email:.....

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

Registration fee details: (Online payment can be done through SBI collect @AOTEA-19)

Bank draft in favour of Director, National Institute of Technology, Kurukshetra, payable at Kurukshetra

Draft No.....Amount..... Issuing

bank

Date:

Signature

Place:

Signature of Head of Dept./Instt. (with seal)