



Short Term Course
on
Recent Advances in Optimization Techniques for Engineering Applications (RAOTE-2026)
April 22 – 26, 2026

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

Patron:

Prof. B.V. Ramana Reddy
Director

Co-Patrons:

Prof. Brahmjit Singh (HAG)

Prof. Karan Sharma
Head, ECED

Convener:

Dr. Karamdeep Singh

Coordinators:

Dr. Poonam Jindal
Dr. Hemant Sharma

Important Dates:

Course Dates:
April 22 – 26, 2026

Last Date for Registration:
April 18, 2026

Notification of Selection:
April 20, 2026

Registration form along with course fee (SBI collect receipt) should be uploaded via link:

<https://forms.gle/n894kMUPvs29C5GZ7>

Email us at:

stc.ece.nitkkr@gmail.com

For any queries, you may contact us:

Karamdeep Singh: 9915037810
Hemant Sharma: 9462740103

About the course

The main objective of this short-term course is to expose participants to recent advances in optimization techniques and to highlight successful applications of optimization in diverse engineering domains. The STC is designed to blend fundamental concepts with modern algorithms so that participants can model, analyze, and solve real-world decision and design problems arising in interdisciplinary engineering. The course will include expert lectures on contemporary optimization methodologies together with case studies from structural, electrical, mechanical, civil, and computing applications. Owing to its interdisciplinary orientation, the course is suitable for participants from a wide range of specializations who wish to update and augment their knowledge in line with emerging advanced techniques.

Thematic focus areas

- Optimization Techniques –Introduction
- Recent Meta-Heuristics –Ant-Lion Optimization
- Genetic Algorithm (GA), Swarm Intelligence, Ant Colony Optimization (ACO)
- Neural Network and Fuzzy based Optimization.
- AI Enabled Learning based Optimization Techniques
- Guidelines on Publishing Research Papers- Reviewers Perspective, Plagiarism Checking
- MATLAB and other Software Tools for Optimization Techniques.

Target audience

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

#Mode of STC: STC: online mode.

Registration Fee: Academic Faculty: Rs. 700, Students: Rs. 400, Industry/ R&D: Rs. 1500. The registration form complete in all respect, accompanied by SBI collect receipt of requisite amount should reach the course coordinators (<https://forms.gle/n894kMUPvs29C5GZ7>) latest by 18th April 2026.

For more details and registration information, visit the website

www.nitkkr.ac.in

Short Term Course (Online mode)
on
Recent Advances in Optimization Techniques for Engineering
Applications (RAOTEA-2026) April 22 - 26, 2026

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

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

Designation:

Institution/Organization:.....

.....

Experience:.....

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

Mailing address:.....

.....

Telephone:.....

Email:.....

Registration fee Details:

The Registration fee can be paid online through SBI Collect. The scanned copy of the SBI-Collect receipt along with filled registration form has to be uploaded via link: <https://forms.gle/n894kMUPvs29C5GZ7>

Transaction ID/ Reference ID.....Amount.....

Date of Payment.....

Date:

Signature

Place:

How to Apply

Interested candidates can apply online by clicking the link:
<https://forms.gle/n894kMUPvs29C5GZ7>

Participant's details need to be filled in and payment details be uploaded by using above link in Google Forms on or before April 18, 2026.

Registration Deadline: April 18, 2026.

Note: The participants need to upload (i) Proof of payment (receipt of SBI collect payment) and (ii) Signed copy of registration form by April 18, 2026.

Payment Procedure

The Registration fee can be paid online through **SBI Collect**. The scanned copy of the SBI-Collect receipt along with filled registration form has to be uploaded via link:
<https://forms.gle/n894kMUPvs29C5GZ7>

ONLINE Fee Payment Through SBI Collect

Step 1: <https://www.onlinesbi.sbi/sbicollect/icollecthome.htm>

Step 2: Select **Educational Institutions**.

Step 3: Select State **Haryana** and search for **DIRECTOR NIT KURUKSHETRA** in search bar (in left side). Then Select **DIRECTOR NIT KURUKSHETRA** option at the bottom

Step 4: Select Payment Category (**RAOTE A 2026**)

Step 5: Proceed (Fill the requested details & Submit) and take the print out.