

REGISTRATION FORM

TEQIP-III Sponsored

Faculty Development Programme
on

**Traditional and Modern Optimization
Techniques (TAMOT)**

(16-20 September, 2019)

1. Name :
 2. Gender (Male/Female) :
 3. Designation :
 4. Institution :
 5. Address:.....
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.....
 6. Phone/Mobile:.....
 7. Email:
 8. Educational Qualification:.....
 9. Professional Experience:.....
Teaching:.....
Other:.....
 10. Motivation and future plan to prefer this course:.....
 11. Accommodation Required: Yes/No
 12. Registration fee details:
- D.D. No: _____ Date: _____
- Name of Bank: _____
- Date: _____ Signature of Participant

PATRON

Prof. V. M. Mishra, Director

CHAIRMAN/CONVENER

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Dr. Chandra Prakash, ME Department, BTKIT Dwarahat

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Mr. Mayank, Assistant Professor, BTKIT Dwarahat
Dr. Ravi Kumar, Assistant Professor, BTKIT Dwarahat
Dr. Narendra Kumar Singh, Govt. PG College, Dwarahat

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Dr. Anirudh Gupta, ME Department, BTKIT Dwarahat
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Dr. Lata Bisht, Head ASD BTKIT Dwarahat

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Mr. Ashok Kumar Sharma, BTKIT Dwarahat

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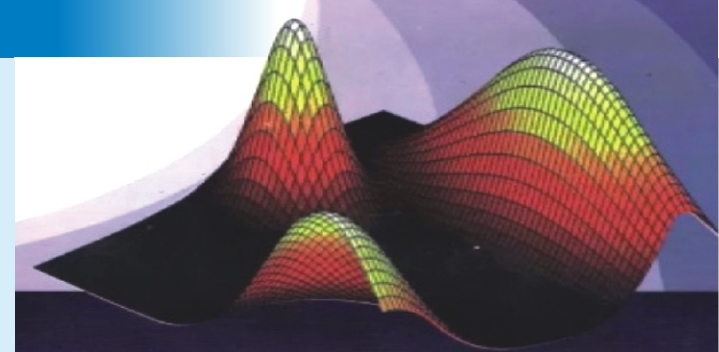
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Under TEQIP Phase III

One Week

Faculty Development Programme

On

**Traditional and Modern
Optimization
Techniques (TAMOT)**

16-20 September, 2019

Chairman/Convener

**Dr. Satyendra Singh
Dr. Chandra Prakash**



Organized by

**B. T. Kumaon Institute of Technology
Dwarahat- 263653**

**Almora, Uttarakhand, INDIA
Visit us: www.kecua.ac.in**

ABOUT THE INSTITUTE

B.T.Kumaon Institute of Technology (Formerly-Kumaon Engineering College), Dwarahat, District Almora, Uttarakhand is an engineering institute established by the Govt. of Uttar Pradesh in 1986 for imparting engineering education and promoting technological environment in Kumaon region. Kumaon Engineering College, Dwarahat started functioning in 1991 and its name transformed into B.T. Kumaon Institute of Technology (BTKIT) in 2011. The institute is spread over an area of 155 Acres at an altitude of 1450 meters. The institute has been granted autonomy status by UGC in 2012.

Institute offers B. Tech., M. Tech. and PhD programmes in various disciplines of Engineering & Technology. The Institute has been selected under World Bank funded Government of India Project on Technical Education Quality Improvement Programme (TEQIP - III).

The institute possesses several modern facilities and offers a congenial environment for teaching and research. With over 25 years of experience and achievements in the field of technical education, BTKIT has established itself as an institute of total commitment to the quality and excellence in academic pursuits.

ABOUT THE DEPARTMENT

Mechanical engineering is one of the core branches of the Engineering curriculum. Mechanical Engineering Department started functioning in 1999 after the start of the institute. The department offers a four-year course leading to the Bachelor's Degree in Mechanical Engineering. It also offers a full-time post graduate program in Thermal Engineering. Department has also started Ph.D. programme in various specializations of the Mechanical Engineering recently. It is a matter of great pride that the department has a well-qualified

highly experienced and academically strong full time faculty. They have high dedication for imparting learning and analytical skills to the students. The department has fully established and functional labs & workshops. The alumni of the department are today occupying good positions in a large number of governments, semi-government and private organizations in the country and abroad.

OVERVIEW, COURSE OBJECTIVES AND CONTENT

Optimization is a discipline independent knowledge base which can be a very handy computational tool in the pursuit of advancements any discipline or research area. Optimization has been around since time immemorial, and ancient mathematicians have been posing and solving optimization problems using the principles of geometry and reasoning. With proper understanding and training, however, the traditional and modern optimization methods can be gainfully employed to solve several types of real-life optimization problems.

The objective of the workshop is to provide a hands-on exposure to some traditional and non-traditional optimization techniques suitable for handling complex, highly constrained real-life problems. The workshop will start with a historical background to Optimization, and provide a quick review of some traditional techniques of optimization, highlighting their working principles and features. However, the focus of the workshop will be on two popular and easy to use non-traditional optimization methods, which have been widely applied by researchers and practitioners, viz., Genetic Algorithms and Simulated Annealing. Case studies demonstrating successful application of these techniques to some difficult real-life problems will also be presented. A brief overview of the working of some other modern non-traditional optimization methods will also be provided.

KEY RESOURCE PERSONS

- 1) Prof. Rajkumar S. Pant, IIT Bombay, Mumbai
- 2) Prof. R. P. Shimpi, IIT Bombay, Mumbai
- 3) Prof. M.C. Joshi, Kumaon University, Nainital
- 4) Prof. Ahmad Ali Khan, AMU, Aligarh

BENEFITS OF ATTENDING THE COURSE

This FDP aims to introduce the participants to these optimization techniques and provide them with hands-on experience, enabling them to apply the techniques in their respective fields.

WHO SHOULD PARTICIPATE?

The FDP is open to all the students/faculty members/scientists/engineers studying/working in educational institutes/ industries/ R&D organizations.

REGISTRATION FEE

Industry Persons	: 2000/-
Academicians	: 1000/-
Research Scholar/Students	: 500/-

The registration fee includes high tea and tea during the session. Limited accommodation can be provided on first come first serve basis to the participants, based on the availability of rooms in the Guest House and Hostels of Institute on payment basis. Students of BTKIT are exempted from the registration fee.

IMPORTANT DATES

The last date for the receipt of application	: 14.09.2019
By email: scanned copy	: 14.09.2019
Hard copy must submit on or before	: 16.09.2019
Registration fee	: 14.09.2019