

REGISTRATION FEES DETAILS

- Internal Students: Rs. 500/-
- External Students: Rs. 1000/-
- Internal Faculty members: Rs. 1000/-
- External Faculty members: Rs. 3000/-
- Industry Persons: Rs. 5000/-

The registration fee includes registration kit, attendance in lecture series, breakfast, lunch (and Dinner for outstation participants only).

All participants have to pay the registration fees before submitting application either (i) via DD in favour of **Director NIT Silchar**, Payable at **State Bank of India, NIT Silchar** branch or (ii) online transfer to the account of the Director, NIT Silchar (A/C No.: 10521277057, Branch: NIT Silchar). Brochure and registration form can also be downloaded from: <http://www.nits.ac.in/>

Submission Process: Scanned copies of both registration form along with D.D. (or online transfer proof) are to be sent to kedarnath.nits@gmail.com on or before **15th May 2018**.

The original hard copies of registration form and D.D. has to be submitted at the registration desk, just before the commencement of the workshop. Thereat, students need to produce their ID proof.

ABOUT THE INSTITUTE

National Institute of Technology (NIT) Silchar, an Institute of National Importance under the NIT Act was established in 1967 as Regional Engineering College (REC) Silchar in Assam. In year 2002, it was upgraded to the status of an NIT from REC. NIT Silchar is situated on the banks of river Barak and on a sprawling campus spread over 600 acres of land on the outskirts of Silchar. The landscape of NIT Silchar

campus is beautiful with natural lakes and hillocks, surrounded by tea gardens. The climate of Silchar during May is very pleasant with normal temperature around 20-25°C. NIT Silchar is a fully residential institution with nine hostels for boys and two hostels for girls.

ELIGIBILITY

This program is open to people from industry, faculty members, research scholars and M. Sc. / M. Tech. students of technical institutions, engineering colleges, polytechnics, universities and other recognized institutions.

ACCOMMODATION

Accommodation may be arranged for outstation participants in the Institute guest house as per the following nominal institute rent per night (subject to availability). The payment may be made on spot. For more details about guest house, please visit NIT Silchar web site.

Single Room	Rs. 350/-
Double Room	Rs. 600/-

HOW TO REACH NIT SILCHAR

The Silchar city is well connected by air, rail and road. Silchar is situated at a road distance of 334 km from Guwahati. NIT campus is about just 10 km away from Silchar railway station and 35 km from Silchar Airport.

ADDRESS FOR COMMUNICATION

Dr. Santanu Roy,
(Coordinator, RAFO-2018)
HOD, Mathematics, NIT Silchar, Assam, India
For any query, please contact:
Dr Kedar Nath Das
E-mail: kedarnath.nits@gmail.com, M: 9435176446

A One Week Workshop on Recent Advances in Fuzzy Optimization (RAFO-2018)

(Under TEQIP – III)

21-25 May 2018

National Institute of Technology, Silchar (Assam)



Coordinators:

Dr. Santanu Roy,
Dr Kedar Nath Das,
Dr Mausumi Sen,
Mr Bijan Nath,
Mr P. Das

Organized by:



**DEPARTMENT OF MATHEMATICS
NIT SILCHAR
SILCHAR-788010, ASSAM-INDIA**

THEME

'Optimization' plays an important role in all branches of Management, Science and Engineering. Researchers struggle to find a way in solving optimization models arise in their research field. Identifying a suitable technique (either the traditional or the heuristic one), it becomes indeed a challenge for the researchers. This proposed workshop is expected to provide a robust platform to boost the research up towards innovating and designing new object oriented techniques. Extensive interactions of research problems with the eminent subject experts from reputed premier institution over the country will add extra flavor to the quality of the workshop. It mainly focuses towards the application of Fuzzy optimization techniques in various branches of Science and Engineering.

OBJECTIVES

- Experts to provide a platform to share their relevant knowledge and recent development concepts with the participants in the related research field of Fuzzy Optimization.
- To form a bridge in order to minimize the gap between theory and practical knowledge in the relevant field.
- To encourage future researchers in applying various fuzzy optimization techniques in their research areas.

CONTENTS

- Concepts on Optimization Techniques
- Mathematical Modelling of Optimization Problems
- Linear Optimization Techniques
- Non-Linear Optimization Techniques
- Recent Bio-inspired Optimization Techniques
- Fuzzy logic, fuzzy set theory
- Concepts of Fuzzy to use in Optimization
- Some applications of Fuzzy Optimization Techniques in Science and Engineering

EXTERNAL SPEAKERS

- Prof. Manoranjan Maiti (Retd.), Vidyasagar University
- Prof. Samarjit Kar, NIT Durgapur
- Prof. Krishna Pratap Singh, IIT Allahabad
- Prof. Pankaj Gupta, University of Delhi
- Prof. Madhumangal Pal, Vidyasagar University
- Prof. Bhaba Krishna Mohanty, IIM Lucknow



ORGANIZING COMMITTEE

Patron: Prof. Sivaji Bandyopadhyay, Director, NIT Silchar

Coordinators: Dr. Santanu Roy, Maths.
Dr Kedar Nath Das, Maths.
Dr Mausumi Sen, Maths.
Mr Bijan Nath, Maths.
Mr Pallab Das, CE

Organizing Committee: Dr P. K. De, Dr G. Ramesh, Dr P. K. Gupta, Dr J. Mahanta, Dr. B H S Raju, Dr S. Bera, Dr P. Biswas, Dr Maqbul



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REGISTRATION FORM

1. Name (Capital):
2. Designation/Class:
3. Institution/Organisation:
4. Address for communication:
5. E mail:
6. Mobile No:
7. Highest educational qualification:
8. Paid accommodation required* (Tick): **Yes/No**
(*in NIT campus, subject to availability): **Single / Double**
9. Any other information:
10. Details of Registration Fee: Mode: DD / Online
(IMP: Attach DD/online transfer proof)

D. D. No. Date Bank Name

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Place:

Date:

Signature of the applicant

Recommended by HOD (for students only):

(Sign and Seal of HOD)