

REGISTRATION FORM

A Two- Day National Workshop ON Advanced Optimization Techniques and Research Directions

Under TEQIP Phase-III
(November 16-17, 2018)

1. Name:.....
2. Gender:.....
3. Designation:.....
4. Organization:.....
5. Correspondence address:.....
.....
6. Mobile No.:.....
7. E-mail:.....
8. Qualifications:
9. Teaching/Research Exp.(years):.....
10. Lodging Requirement: Yes/No.....
(Chargeable)
11. Area of Research:

(Signature of the Applicant with date)

(Signature of Head of the Department/Institute with date)

Note: Photocopies of this form can be used for registration.

ORGANIZING COMMITTEE

Patron

Er. Ramesh Agrawal Ex MLA and Secretary, Scindia
Engineering College Society

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Dr. R.K.Pandit Director

Coordinator

Dr. Manjaree Pandit Professor, Electrical Engineering
(Dean Academics)

Organizing Secretary

Dr Hari Mohan Dubey Assistant Professor
Dr Vijay Bhuria Assistant Professor

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Electrical Engineering
Department
Coordinator, TEQIP-III

Dr A. K. Wadhvani Professor, EED
Dr. S. Wadhvani Professor, EED
Dr. Rajeev Kansal Dean Student Welfare
Dr. Pratesh Jayaswal Academic Coordinator,
TEQIP-III

ADDRESS FOR COMMUNICATION

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COORDINATOR
Dr. Manjaree Pandit

ORGANISED BY
Department of Electrical
Engineering
Madhav Institute of
Technology & Science,
Gwalior-474005

(A Govt. Aided UGC Autonomous & NAAC Accredited
Institute Affiliated to RGPV Bhopal)

www.mitsgwalior.in

ABOUT THE INSTITUTE

Madhav Institute of Technology & Science, Gwalior was established in 1957 by His Highness Late Sir Jiwaji Rao Scindia, Maharaja, of the erstwhile state of Gwalior. The foundation stone of the Institute was laid by Late Dr. Rajendra Prasad, on 20th October, 1956 and the building was inaugurated by Late Dr. S. Radhakrishnan on 11th December, 1964. The president of India, Dr. Pratibha Devisingh Patil graced the Golden Jubilee Celebrations of the institute as Chief Guest on 30th June, 2008. Recently the institute celebrated its Diamond Jubilee in 2017.

The institute has a campus of around 45 acres. The Institute offers education in eleven UG and twelve PG programmes and Ph.D. programmes in seven disciplines. The prime objective of the Institute is to provide quality technical education at undergraduate and postgraduate levels. Recently the Institute is also funded by World Bank under TEQIP phase III to strengthen the quality of technical education.

ABOUT THE DEPARTMENT

The department of Electrical Engineering is one of the oldest departments in the institute with a glorious history of sixty one years of excellence in teaching and research. The department offers one UG and two PG programmes. Since 2012, the department is a minor QIP centre for research programme. The faculty is actively engaged in research, and has published numerous papers in National and International Journals. The department is accredited by NBA for five years in year 2013. The alumni of the department have secured their places in the higher echelons of the society and technical world.

ABOUT THE WORKSHOP

Optimization is usually the most important feature of all Engineering and Science problems. The idea is to find solutions for practical problems in such a manner that best output/outcome is obtained while spending minimum resources. Optimization becomes very complex when the number of decision variables and/or optimization objectives is large. Real-world problems usually have multiple objectives and complex linear/non-linear constraints, which further add to the complexity of optimization tasks.

During the workshop, hands-on practice will be provided to the participants on advanced optimization techniques and MADM methods using scientific calculators available in cell phones.

COURSE CONTENTS

- Introduction to Optimization Techniques
- Multi-attribute decision making methods (MADM) and their Applications
- Advanced Optimization Techniques and Their Applications
- TLBO Algorithm and its Engineering Applications
- Jaya Algorithm and its Engineering Applications
- Multi-objective optimization using a priori and a posteriori methods
- Special Lecture for Researchers

ELIGIBILITY FOR PARTICIPANTS

The workshop is open to faculty members, research scholars and industry personnel belonging to all engineering and science disciplines.

RESOURCE PERSON



The workshop will be conducted by Professor R. Venkata Rao of S.V. National Institute of Technology, Surat (Gujarat), who is a prominent researcher in the field of optimization and proposed the very popular Teaching Learning Based Optimization (TLBO) algorithm. His first paper on TLBO algorithm has received more than 1300 citations.

Dr. Rao, Ph.D.(2002) and D.Sc.(2017), has 300 research papers published in national and international journals and conference proceedings, and has received national and international awards for his research efforts. He is a reviewer for more than 80 reputed journals and serves on the editorial boards of several international journals. He has conducted many short-term training programs, handled numerous research projects (including the bi-lateral projects with Austria, Russia and Slovenia) and has also worked as a Visiting Professor in renowned universities of Poland and Thailand.

REGISTRATION

Registration Fee

Faculty members (TEQIP-III institutions): No Fee

Faculty members from other institutions: Rs 1000/-

Research Scholars : Rs. 500/

How to Register

The participants may register by sending the completed and duly signed 'Registration Forms' along with the Demand Draft in favour of 'Director, MITS, Gwalior' payable at Gwalior by 14th November 2018 through post or email. Seats are limited to 50 and application form will be selected on first-cum-first basis. Please note that there is no spot registration for the workshop.