

National Conference On
**NONLINEAR ANALYSIS, CONTROL
AND OPTIMIZATION
(NACO-2025)**

Organized by
Department of Mathematics and Computing
IIT(ISM), Dhanbad

~~04-06 June, 2025~~

REGISTRATION FORM

[Online registration](#) or Scan QR



Name:

Designation:

Qualification:

Organization:

Address for Correspondence:

.....

Tel. (O)(M)

E-mail:

NEFT Particulars:

Amount No.....

Date Bank

Accommodation Required: Yes / No

DECLARATION: The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the organizing committee. If selected, I shall attend the program for the entire duration.

Date: Signature of the Applicant

Place:

Forwarded through Head Dept/ Institution

FOCUSED AREAS

- Nonlinear Analysis
- Continuous Optimization
- Fixed Point Theory
- Portfolio Optimization
- Convex and Non-smooth Analysis
- Variational Inequality
- Control Theory
- Dynamical Systems

WHO CAN ATTEND?

PG Students, Research Scholars, Faculty members, Scientists and persons from industries

REGISTRATION DETAILS

The following registration fee includes kit, breakfast, working lunch, tea & snacks, dinner and accommodation on all three days .

Research Scholars	Rs. 4000/ -
Faculty	Rs. 5000/ -
Industry and R&D Organizations	Rs. 6000/ -

The registration fee has to be paid through NEFT in the following given account:

Name: Registrar IIT(ISM) Dhanbad

A/C: 0986101024892

IFSC: CNRB0000986

Bank Name: CANARA BANK

Branch: SARAIIDHELA, DHANBAD,
JHARKHAND

The abstract should be sent to:

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**NONLINEAR ANALYSIS, CONTROL
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Revised Date : 03-05 July, 2025



Convener
Anurag Jayswal
Co-convener
B. S. Kushvah



Organized by
DEPARTMENT OF MATHEMATICS AND
COMPUTING
INDIAN INSTITUTE OF TECHNOLOGY
(INDIAN SCHOOL OF MINES)

DHANBAD 826 004
Jharkhand, India

INTRODUCTION

Continuous optimization and nonlinear analysis are rapidly growing areas of mathematics with numerous applications to control theory, economics, engineering, and other disciplines. During the last three decades, the study of nonlinear and variational analysis has been devoted vigorously and such activity had great influence on other areas of science as much as mathematics. At the same time, optimization has grown in connection with the study of problems of convexity, equilibrium, control, and stability of linear and nonlinear systems. These two mathematical disciplines have no border and they rather have good effects together. The main objective of the conference is to discuss recent results in nonlinear analysis, control and optimization and their applications as well as recent research trends in these fields. In this conference several speakers having expertise in the aforesaid fields will deliver their talk and to hold this conference is very important for development of optimization theory and its related area all over the world. We hope and believe that each participant in this conference will have good opportunities not only to explore themselves in this field and its applied areas but also to establish deepen our friendship.

ABOUT THE PROGRAMME

The main objective of the program is to provide the platform where the participants can benefit from the lectures delivered by some eminent experts from country on the given below topics and have interaction with them. The program provides an opportunity to young researchers to get an overview of the current trends in nonlinear analysis, control and optimization and to interact with the experts in the field. The program is useful to mathematicians, scientists and engineers intending to step into this fascinating area. This conference is designed to provide an introduction to the applications of nonlinear analysis, control and optimization in different aspect.

CHIEF PATRON

Prof. Prem Vrat
Chairman GC & EB, IIT(ISM) Dhanbad

PATRON

Prof. Sukumar Misra
Director, IIT (ISM) Dhanbad

ORGANISING COMMITTEE

All the members of the Department of Mathematics and Computing, Indian Institute of Technology (ISM) Dhanbad

INVITED SPEAKERS

Prof S. K. Neogy, ISI Delhi
Prof. C. S. Lalitha, University of Delhi (South Campus)
Prof. Manjari Srivastava, University of Delhi, Delhi
Prof. D. R. Sahu, BHU Varanasi
Prof. S. K. Gupta, IIT Roorkee
Prof. V. Vetrival, IIT Madras
Prof. Geetanjali Panda, IIT Kharagpur
Prof. Manoj Thakur, IIT Mandi
Prof. D. Ghosh, IIT BHU
Prof. S. Kar, NIT Durgapur
Prof. A. Iqbal, AMU Aligarh
Prof. B. S. Ratanpal, MSU Baroda

BOARDING & LODGING

Boarding and lodging will be provided by the organizers. Accommodation will be provided to all the outstation participants in the student hostel of the institute. Those who want to stay in the IIT (ISM) guest house need to pay as per the rules, subject to availability.

IMPORTANT DATES

Last date of abstract submission: 15/06/2025
Abstract acceptance information: 18/06/2025
Last date for payment and registration: 20/06/2025

ABOUT THE DEPARTMENT

The Department of Mathematics and Computing is a highly reputed department which functions with excellence as its motto. The Department was started in the year 1926 along with other Engineering and Science Departments of the institute and has established itself as a dynamic center for academic and research activities. In addition to the teaching of courses in Mathematics for B. Tech and M. Tech Programmes, the Department offers 4 Yr. B. Tech (M&C), two P.G. Programs, M.Sc. and 2 Yr. M.Tech. (Data Analytic). The faculty is actively engaged in research in diverse fields such as Analysis, Algebra, Topology, Operations Research, Cryptography, Graph Theory, Solid Mechanics, Fluid Dynamics, Mathematical Modelling, Machine learning, Artificial Intelligence etc. At present, there are 32 faculty members in the Department and more than 75 research scholars are working for their Ph.D. The Department has a full-fledged computation laboratory to meet the requirements of the students, research scholars and the faculty members.

ABOUT THE INSTITUTE

The Indian National Congress at its XVII Session of December 1901 passed a resolution stating that "in view of the fact that the tendency of recent legislation namely, The Indian Mines Act VII of 1901, is that all Indian mines must be kept under the supervision of mining experts, the Congress is of opinion that a Government College of Mining Engineering be established in some suitable place in India on the models of the Royal School of Mines in England, Mining Colleges of Japan and at other places in the continent". The McPherson Committee formed by Govt. of India, recommended the establishment of an institution for imparting education in the fields of Mining and Geology, whose report, submitted in 1920, formed the main basis for establishment of the Indian School of Mines, Dhanbad.