



A Workshop on Numerical Algorithms & Computations in Science & Technology with MATLAB (NACSTM 2024)

To visit workshop webpage, Click [here](#)



July 08 - 12, 2024

**Organised by
DEPARTMENT
OF
MATHEMATICS
IIT ROPAR**

<https://www.iitrpr.ac.in/math/>

ABOUT WORKSHOP

This workshop is designed for motivated and ambitious individuals, including Bachelor's and Master's students, research scholars, postdoctoral researchers, faculty members, and industry professionals. It invites participants from diverse backgrounds eager to enhance their knowledge and skills in numerical methods and their practical applications.

This workshop will equip participants with theoretical knowledge and practical skills in numerical methods, including finite difference, finite element, and finite volume techniques. Emphasis will be placed on applying these methods to solve differential equations that govern real-world challenges in science and technology. The workshop will feature hands-on MATLAB sessions, where participants will implement basic and advanced numerical algorithms.

Upon completion of the workshop, participants will gain a comprehensive understanding of the entire process, from developing a mathematical model to constructing efficient numerical algorithms and implementing computational strategies for simulations.

REGISTRATION FEE (INCLUSIVE OF GST)

₹ 4000/-	UG/PG students
₹ 8000/-	Ph.D. scholars
₹ 10000/-	Postdocs.
₹ 12000/-	Faculties/ Research Scientists
₹ 20000/-	Industry professionals

NOTE:

- 1) Registration fee includes:
 - The workshop kit and meals
 - Accommodation in hostels (sharing basis)
- 2) A maximum of 50 participants will be selected on a first-come-first-serve basis.
- 3) Based on the attendance, a certificate will be issued
- 4) Last date to register is **May 31, 2024**

HOW TO REGISTER?

To register [click here](#) or Scan :



ABOUT IIT ROPAR



Indian Institute of Technology, Ropar is one of the eight new IITs set up by the Ministry of Human Resource Development (MHRD), Government of India in 2008 to enhance the quality of technical education in the country.

It is situated in Rupnagar, 42 km from Chandigarh, it's accessible via NH-21. The Delhi-Ambala-Una railway line passes through, and the closest airport is in Chandigarh, approximately 50 km away.



ABOUT THE DEPARTMENT



The Math Department, founded in 2009, explores interdisciplinary research and delivers top-tier education in math. Our faculty excel in pure and applied math, stats, and theoretical comp sci. We offer PhD programs since 2010, MSc since 2015, and BTech in Math & Computing since 2019. We welcome students and faculty from other institutes for short-term research via summer internships. Post-doc fellows for independent research are sought.



CHIEF PATRON

Prof. Rajeev Ahuja, Director, IIT Ropar

RESOURCE PERSONS

- Prof. G. D. V. Gowda, TIFR Bangalore
- Prof. S. Sundar, IIT Madras
- Prof. G. P. R. Sekhar, IIT Kharagpur
- Prof. A. K. Nayak, IIT Roorkee
- Prof. M. Mehra, IIT Delhi
- Faculty Members, IIT Ropar

COORDINATORS

- Dr. A. K. Gupta, IIT Ropar
- Prof. J. Kumar, IIT Ropar
- Dr. H. V. R. Mittal, IIT Ropar

ORGANISING COMMITTEE

Faculties, Staff and Students of Department of Mathematics, IIT Ropar

CONTACT DETAILS

Dr. Arvind Kumar Gupta

Email: maths.workshop@iitrpr.ac.in

Phone Number: +91 1881231066