

A five day Workshop on:

Recent Advances in Computational Mathematics, Machine Learning and Emerging Applications

During: 10-14 April, 2026 (Hybrid mode)

Organised by:

Department of Engineering Sciences

ABV-IIITM Gwalior

Patron:

Prof. S.N. Singh

Director, ABV-IIITM Gwalior

Coordinators

Prof. Joydip Dhar & Dr. Kapil Kant

Department of Engineering Sciences

ABV-IIITM Gwalior

Sponsored by:

About the Workshop:

The workshop on “Recent Advances in Computational Mathematics, Machine Learning, and Emerging Applications” focuses on modern numerical methods, optimization techniques, and the integration of AI with scientific computing. It aims to provide participants with insights into cutting-edge research and practical applications in fields such as healthcare, climate science, engineering, and finance, while offering a platform to learn from experts and explore interdisciplinary innovations.

Who can participate:

The workshop is open to UG/PG students, Research Scholars, Postdocs, faculty members from Institutes, Universities, Colleges, Startups, Entrepreneurs, Professional, and Industry personnel working in the concerned/allied disciplines.

About the Institute:

Atal Bihari Vajpayee Indian Institute of Information Technology and Management (ABV-IIITM) Gwalior is a premier institute in India specializing in information technology and management education. Established in 1997, it holds the status of an Institute of National Importance. The institute offers undergraduate, postgraduate, and doctoral programs in IT, management, and applied sciences. ABV-IIITM is known for its strong research focus, particularly in areas like artificial intelligence, cybersecurity, and computational sciences. With a state-of-the-art campus, the institute fosters innovation, entrepreneurship, and interdisciplinary learning, contributing significantly to India's technological and managerial advancements.

Topics Covered

1. Numerical & Computational Techniques for Differential and Integral Equations
2. Optimization and Approximation Methods in Scientific Computing
3. Machine Learning Foundations and Advanced Architectures
4. Computational Mathematics in Machine Learning
5. Emerging Applications of ML and Computational Methods
6. Explainable and Interpretable AI in Scientific and Industrial Applications

Have any queries?

Contact us:

Dr. Kapil Kant, Email: kapil@iiitm.ac.in

Advisory Committee/Resource Persons

Prof. Natesan Srinivasan, IIT Guwahati

Prof. Y.N. Reddy, NIT Warangal

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Dr. Moumita Mandal, IIT Jodhpur

Registration fees: Included hostel accommodation-

Offline Participants:

UG/PG Student: 1500.00 + 18% GST.

Research Scholar/Postdoc/Faculty: 2500.00 + 18% GST.

Industry/R&D: 3500.00 + 18% GST.

All Online Participants: 1000.00 + 18% GST

Account details for fees payment:

Account Name: ABV-IIITM FDP ACCOUNT

Address: Bank of India, ABV-IIITM Campus, Gwalior

Account No.: 945210110009380

IFSC: BKID0009462, MICR: 474013010

Link for registration
Click here

**ABV-Indian Institute of Information Technology and Management Gwalior,
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