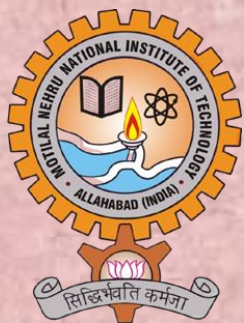




International Conference on AI & ML METHODS IN ADVANCED COMPUTING (AIMLAC-2027)

February 11-13, 2027



Organized By

Department of Mathematics
MNNIT Allahabad, Prayagraj-211004



About The Institute

Conforming to its motto “सिद्धिर्भवति कर्मजा” Motilal Nehru National Institute of Technology Allahabad, is churning out engineers, managers, entrepreneurs and social scientists of sterling worth. It was established as the 17th Regional Engineering Colleges in India in the year 1961. The foundation stone of Institute was laid by Late Pt. Jawaharlal Nehru, the first Prime Minister of India, on May 3, 1961 and inaugurated by Late Shri Lal Bahadur Shastri, the second Prime Minister of India on April 18, 1965. Situated in the city of Confluence of three mighty rivers Ganga, Yamuna and invisible Saraswati, MNNIT A boasts a rich and diverse cross-cultural environment with students coming from across the Nation. Government of India has declared this to be an Institute of National Importance under NIT Act 2007 (29 to 2007), the Institute has been granted the status of Institution of National Importance w.e.f. 15.08.2007. The Institute has been recognized by the Government of India as one of the centres for the Quality Improvement Programme for M.Tech and Ph.D. The Institute was selected as a lead institution in the Design theme under Indo-UK REC Project (1994-99). The Institute has been selected as a Lead Institution under World Bank funded Government of India Project on Technical Education Quality Improvement Programme (TEQIP) (2002-2007).

About the Department

The Department of Mathematics came into existence w.e.f., 1st April, 2003, prior to this it constituted a section of the Department of Applied Mathematics, Applied sciences & Humanities. The department offers core courses at undergraduate level and several advanced courses at post graduate level. The department also enrolls candidates for Ph.D. programme. There is a wide spread interaction between mathematics department and various engineering departments in the field of teaching and research. The department of Mathematics started full time M.Sc. in Mathematics & Scientific Computing program since 2008.

About Prayagraj

Prayagraj is one of the oldest cities in India. It is crowned in ancient scriptures as ‘Prayag’ or ‘Teertharaj’ and is considered the holiest of pilgrimage centres of India. It is situated at the confluence of three rivers- Ganga, Yamuna and the invisible Saraswati. Known as **Purimtal** in ancient Jain scriptures, it is also a sacred place for Jains, as their first Tirthankar, Rishabhdeva attained **Kevalya Gyana** here. Akbarnama mentions that the Mughal emperor Akbar founded a great city in Allahabad. Prayagraj is also known as the “**Prime Minister Capital of India**”, since, seven of fifteen Indian prime ministers of India since independence have connections with the city. Prayagraj is an international tourism destination, second in terms of tourist arrivals in the state after Varanasi. Religious attractions include the Kumbh Mela, the Triveni Sangam and All Saints Cathedral. The city hosts the **Maha Kumbh Mela**, the largest religious gathering in the world, every twelve years and the **Ardh (half) Kumbh Mela** every six years.

Vision of Conference

To create a vibrant international community that advances AI, Machine Learning, and next-generation computing through research, innovation, collaboration, and responsible technological development.

About the Conference

The International Conference on AI and ML Methods in Advanced Computing is a premier forum for researchers, academicians, industry professionals, innovators, and students to exchange ideas and explore the latest developments in Artificial Intelligence (AI), Machine Learning (ML), and advanced computing technologies. The conference aims to bring together experts from diverse disciplines to discuss emerging methodologies, innovative algorithms, intelligent systems, computational frameworks, and real-world applications of AI and ML. It provides a platform for presenting cutting-edge research, sharing practical experiences, fostering collaboration, and identifying new directions in advanced computing. The conference will focus on both theoretical foundations and practical applications, covering areas such as deep learning, generative AI, natural language processing, computer vision, data science, intelligent automation, edge and cloud computing, high-performance computing, cybersecurity, and AI-driven applications. Through Plenary talks, technical presentations, contributed talks, research papers, workshops, and interactive discussions, the conference seeks to encourage interdisciplinary collaboration and promote responsible and innovative use of AI and ML technologies.

Objectives

- Provide a global platform for presenting recent research and innovations in AI, ML, and advanced computing.
- Facilitate knowledge exchange among researchers, educators, students, and industry experts.
- Explore emerging AI and ML methodologies and their applications across different domains.
- Encourage interdisciplinary research and international academic collaboration.
- Discuss challenges, opportunities, ethical considerations, and future directions in intelligent computing.
- Connect theoretical research with practical, industry-oriented solutions.

Who can Participate?

The conference welcomes researchers, faculty members, scientists, industry professionals, technology practitioners, research scholars, postgraduate and undergraduate students, entrepreneurs, and AI/ML enthusiasts interested in the future of intelligent and advanced computing.

Expected Outcomes

The conference is expected to promote interdisciplinary research at the intersection of **Applied Mathematics, Biofluid Dynamics, Artificial Intelligence, Machine Learning, and Advanced Computing**. The major expected outcomes include:

- Facilitate the exchange of recent research findings, methodologies, technologies, and practical experiences in AI, ML, and advanced computing.
- Integrate machine learning, deep learning, and data-driven techniques with mathematical and computational models for prediction, simulation, and analysis of biofluid systems.
- Establish opportunities for interdisciplinary and international collaboration among researchers, academicians, students, and industry professionals.
- Provide participants with insights into emerging technologies such as Generative AI, Large Language Models, Quantum Computing, and intelligent autonomous systems.
- Encourage the development of innovative AI and ML solutions for real-world challenges across healthcare, education, agriculture, cybersecurity, industry, smart cities, and other sectors.
- Promote awareness of ethical, transparent, secure, fair, and responsible approaches to the development and deployment of AI technologies.
- Create opportunities for networking, mentoring, knowledge sharing, and the formation of long-term professional and research collaboration.

Call for Papers

All the accepted papers will be published in the abstract book and a copy of it will be supplied to all the participants on the day of the Conference. Only peer-reviewed accepted full-length papers will be published in the Indexed Conference Proceeding. All the submitted manuscripts will go through a plagiarism check before technical review. **Topics for AIMLAC-2027 include, but are not limited, to the following key topics:**

- Data Science and Artificial Intelligence
- Machine Learning & Deep Learning
- Numerical Analysis and Scientific Computing
- Biomechanics and Computational Hemodynamics
- Multiscale and Multiphysics Modeling
- Computational Fluid Dynamics
- Physics-Informed Neural Networks (PINNs)
- Computational Intelligence Techniques

- Probability, Statistics and Stochastic Models
- Big Data, Cryptography & Cybersecurity
- Quantum Computing & Quantum Machine Learning
- AI and ML in Cardiovascular Medicine and Medical Imaging
- Generative AI, Natural Language Processing & Large Language Models
- Responsible & Explainable AI

Publications-

Selected papers will be published in reputed journals (SCI/SCIE/Scopus/ESCI indexed/UGC CARE listed journals), subject to the fulfilment of specific journal guidelines. Additionally, an edited volume of **Springer Proceedings** (proposal submitted) will also be published, after a rigorous peer-review process. More updates on journals will be posted on the official conference website.

Tentative List of International Speakers

Prof. Narayanaswamy Balakrishnan, MacMaster University, Canada

Prof. Rama S R Gorla, Air Force Institute of Technology, USA

Prof. Anwar Beg, University of Salford, UK

Prof P. Sibanda, University of KwaZulu-Natal, South Africa

Prof. Kambiz Vafai, University of California

Prof. Tenali Gnana Bhaskar, FIT, Florida

Prof Sreedhar Rao Gunakala, The University of the West Indies

Prof. M. Basir, Universiti Sains Malaysia

Prof. Mohammad Rahimi-Gorji, Ghent University, Belgium

Prof. Dong, Yalin, University of Akron, USA

Tentative List of National Speakers

Prof. P.V.S.N. Murthy, IIT Kharagpur

Prof. S. Sundar, Director, NIT Mizoram

Prof. D.V.L.N. Somayajulu, Director, NIT Manipur

Prof. B. V. Rathish Kumar, IIT Kanpur

Prof. G. P Rajasekar, Vice-Chancellor, Andhra University

Prof. Suman Chakraborty, Director, IIT Kharagpur

Prof. Y.V. Sanyasi Raju, IIT Madras

Prof. Satyajit Roy, IIT Madras

Prof. D. Srinivasacharya, NIT Warangal

Prof. A. K. Nandakumaran, IISc Bangalore

Prof. M. Manjunatha, IIT Kharagpur

Prof. TVS Sekhar, IIT Bhubaneswar

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Prof. P. P. Chakravarthy, NIT Nagpur

Prof. Ram Prakash Sharma, NIT Arunachal Pradesh

Dr. Vishwanath S. Bhaire, Yashoda Hospital, Secunderabad

Dr. Vineet Jain, Sapdarganj Hospital New Delhi

Dr. K. Balaji, Adobe India, Delhi

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Prof. Pramod Kumar Yadav, Head, Department of Mathematics



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Prof. Shiv Datt Kumar, Department of Mathematics



Co-CONVENER:

Dr Saurabh Bharadwaj, Department of Applied Mechanics



Co-COORDINATOR:

Dr. Shubham Gupta, Department of Mathematics



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All Faculty Members, Department of Mathematics

Registration Details

Website Link: <https://mnnit.ac.in/aimlac/>

Participants can register for the conference using the link <https://docs.google.com/forms/d/e/1FAIpQLSeVHj5oVDHOCWiXuNmC-wr2WJBfKBbx9rOsVOF7L5GFuPQ3hg/viewform> and the registration fee must be paid through online payment by scanning the QR code or UPI ID provided below.

CATEGORY	REGISTRATION FEE
<i>Students/Postdocs</i>	4,130/- (3,500/- + 18% GST)
<i>Faculty</i>	7,080/- (6,000/- + 18% GST)
<i>Industry Participants</i>	11,800/- (10,000/- + 18% GST)
<i>Foreign Participants</i>	US\$ 177 (US\$ 150 + 18% GST)
<i>Attendees</i>	3,540 /- (3000 + 18% GST)

Bank A/C Details

Account Name	SNFCE MNNIT Allahabad	
Account Number	10424975574	
IFSC Code	SBIN0002580	
Bank and Branch	SBI, MNNIT Allahabad	
Swift code	SBININBB828	UPI ID: 10424975574@sbi

GST No.: 09AAAJM1116B2ZR

* *The registration fee is Non-refundable.*

* *Following Unique Identification Number (UIN) is mandatory during registration.*

(UIN: 10/International Conference(AIMLAC-2027)/Mathematics/2026-27/SNFCE)

Mode of Conference: Offline. The participants need to attend all the sessions of the conference physically.

Accommodation: Accommodation will be provided by MNNIT in the institute guest house (EDC) / Hostels of MNNIT Allahabad on official rate as per the availability on first come first serve.

Important Dates

Letter of Invitation to the Speakers: **November 05, 2026**

Abstract Submission: **December 05, 2026**

Abstract Acceptance: **December 20, 2026**

Registration Deadline: **January 05, 2027**

Conference Dates: **February 11-13, 2027**

Contact Email: aimlac-maths@mnnit.ac.in

Contact Details

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