

ABOUT INDIA

India, the world's largest democracy, is a land of diverse cultures, rich traditions, and rapid technological growth. Known for its ancient heritage and modern innovations, India is home to globally renowned educational institutions, vibrant industries, and a thriving start-up ecosystem. From historic monuments to cutting-edge research centres, India symbolizes the seamless blend of tradition and modernity. With its growing focus on sustainability, digital transformation, and innovation, India stands as a global hub for knowledge, technology, and collaborative opportunities.

ABOUT AMRITSAR

Amritsar, the cultural and spiritual heart of Punjab, is renowned worldwide for the Golden Temple, a symbol of peace and devotion. The city blends rich history with modern vibrancy, featuring bustling markets, exquisite Punjabi cuisine, and significant heritage sites like Jallianwala Bagh and Wagah Border. Known for its warm hospitality and dynamic culture, Amritsar offers visitors an unforgettable experience of tradition, spirituality, and contemporary charm.

ABOUT INSTITUTE

Established in 2009 by the Khalsa College Charitable Society, Khalsa College of Engineering and Technology has emerged as a leading choice for technical education in Amritsar. Spread over 17 acres in Ranjit Avenue, the campus offers state-of-the-art infrastructure including hostels, workshops, an automated library, seminar halls, spacious classrooms, and advanced laboratories. The college attracts students from across India and abroad through its innovative teaching methods, skill-oriented approach, and welcoming environment.

Committed to academic excellence, it has partnered with IIT Ropar (AWaDH CPS Lab), IIT Roorkee (Virtual Lab Nodal Centre), AICTE (IDEA Lab), Aditya Birla-UltraTech Cement (Civil Dept. Centre of Excellence), L&T, and the Central Institute of Petrochemical Engineering to enhance industry-oriented learning. With cutting-edge facilities and dedicated faculty, the institution continues to push the boundaries of engineering education and career opportunities.

ABOUT NIT Delhi

National Institute of Technology Delhi (NITD) is one of the thirty-one NITs established in the year 2010 by an Act of Parliament. The Institute has been declared an Institute of National importance. NIT Delhi is an autonomous Institute that functions under the aegis of the Ministry of Education, Government of India. It aims to provide instructions and research facilities in various disciplines of Engineering, Science and Technology, Management, Social Sciences and Humanities for advanced learning and dissemination of knowledge.

ABOUT THE CONFERENCE

BEDAIML-2025 is a premier international platform dedicated to exploring the transformative convergence of traditional engineering and intelligent technologies. This two-day event brings together researchers, academicians, industry leaders, innovators, and students to collaborate, innovate, and reimagine the future of engineering with Artificial Intelligence (AI) and Machine Learning (ML).

HIGHLIGHTS OF CONFERENCE

- Keynote Addresses by eminent experts from academia and industry
- Technical Paper Presentations showcasing cutting-edge research
- Panel Discussions & Networking fostering cross-disciplinary collaboration
- Industry Insights into real-world applications of AI/ML

Why Attend?

- Publish and present your research on a global stage
- Gain exposure to latest trends & technologies in AI/ML for engineering
- Connect with leading experts, innovators, and professionals
- Be part of shaping the future of intelligent engineering systems

CONFERENCE TRACKS

The conference includes, but is not limited to, the following thematic tracks

AI & ML in Mechanical and Manufacturing Engineering

- ❖ Predictive maintenance and smart diagnostics
- ❖ Intelligent robotics and automation
- ❖ Digital twins and simulation-based design
- ❖ AI in materials processing and optimization
- ❖ Quality improvement, defect prediction, and resource efficiency
- ❖ AI for waste reduction, energy optimization, and green production.

Smart Civil and Structural Engineering

- ❖ AI in structural health monitoring
- ❖ Machine learning for construction management
- ❖ Intelligent transportation systems
- ❖ Sustainable infrastructure design with AI tools
- ❖ Traffic flow prediction, load forecasting, and disaster risk assessment
- ❖ Robotics, automation, and 3D printing in construction projects.

Electronics & Communication with AI Integration

- ❖ AI in embedded systems and VLSI
- ❖ Intelligent signal processing
- ❖ IoT and sensor networks for smart systems
- ❖ Communication networks enhanced by ML

Computer Science, AI & Data-Driven Engineering

- ❖ Deep learning applications in engineering
- ❖ Computer vision for engineering inspection
- ❖ Edge computing and AI at scale
- ❖ Software frameworks for engineering AI
- ❖ Data mining, visualization, and large-scale data processing
- ❖ Virtual prototyping and real-time system modelling.

CHIEF PATRON

Sr. Rajinder Mohan Singh Chhina

Honorary Secretary,
Khalsa College Governing Council, Amritsar

PATRON

Dr. Manju Bala

Director, Khalsa College of Engineering & Technology, Amritsar

Prof. Ajay K Sharma

Director, National Institute of Technology, Delhi

CONFERENCE CHAIR

Dr. Atul Agnihotri

Associate Professor (ME)

CONVENOR(S)

Dr. Prince Karndeeep Singh Sandhu

Assistant Professor & Head (CE), Khalsa
College of Engineering & Technology,
Amritsar

Dr. Ajay Kumar

Associate Professor (CE), NIT Delhi

Dr. Kapil Kumar

Assistant Professor & Head (CE), NIT, Delhi

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Associate Professor & Head (ME)

Dr. Sandeep Singh

Assistant Professor (CE)

ADVISORY COMMITTEE

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Jalandhar

Dr. Geeta Sikka, Professor, NIT Delhi
Dr. Amit Kohli, Associate Professor,
UoW, Canada

REGISTRATION LINK

Participants can register and send
their abstracts to

<https://shorturl.at/IEqkw>

IMPORTANT DATES

Abstract Submission	10 December 2025
Decision on Abstract	15 December 2025
Full-length Submission	15 January 2026
Decision on paper	30 November 2025
Submission of camera-ready paper	02 February 2026
Registration	05 February 2026
Late Registration	08 February 2026

REGISTRATION FEES

Registration Type	Fees
National Authors/Participants	
Academician/Researcher	₹ 3000
Students	₹ 1500
Attendees	₹ 1000
International Authors/Participants	
Academician/Researcher	\$ 150
Students	\$ 100
Attendees	\$ 50

PAYMENT DETAILS FOR PARTICIPANTS

Name of Bank	HDFC Bank
Branch Name	Ranjit Avenue, Amritsar (Punjab)
A/C No.	59122900000007
A/C Holder's Name	Director Khalsa College of Engineering & Technology, Amritsar
IFSC	HDFC0001407
Branch Name	Ranjit Avenue, Amritsar (Punjab)



राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली
NATIONAL INSTITUTE OF TECHNOLOGY DELHI
(An autonomous Institute under the aegis of Ministry of Education, Govt. of India)

ANRF (SERB)

Sponsored

International Conference

On

**Converge Tech 2025: Bridging Engineering Disciplines with AI and Machine
Learning**

(BEDAIML-2026)

(February 27-28, 2026),

Venue: KCET, Amritsar



KCET Amritsar



NIT Delhi

**Organized
by**

Khalsa College of Engineering & Technology and National Institute of Technology Delhi

(Governed by Khalsa College Governing Council)

Ranjit Avenue, C-Block, Amritsar, Punjab,

India - 143001

(An Autonomous Institute of National Importance)

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