



International Conference on AI, Computer and Electrical Engineering 2025 (IACE2025)

11th to 12th September, 2025

**Guru Kashi University, Talwandi Sabo, Bathinda, Punjab
151302 (India)**



About the Conference

The international conference (IACE2025) aims to bring together the leading researchers, academicians, and industry professionals worldwide and it serves as a dynamic platform for sharing groundbreaking ideas, exploring cutting-edge technologies, and fostering collaborations in various fields of engineering. The conference includes keynote speeches, technical sessions, and panel discussions and it provides opportunities for innovations and collaborations; to engage with the global scientific community; present research and contribute to advanced technologies.

About University

Guru Kashi University established in 2011 at the place of learning “Kashi” as blessed by tenth Sikh Guru Shri Guru Gobind Singh Ji. Since then, the university is growing and catering to the needs of local, national and global aspirants of knowledge. The University is a NAAC A++ graded University. The academic programs and research activities are taken in thirteen faculties in the University delivering quality education and research projects. The Conference is being organised by Faculty of Engineering and Technology, the Faculty offers programmes in Civil, Computer Science, Artificial Intelligence, Machine Learning, Bioinformatics, Electrical, Mechanical and Petroleum Engineering.

Organising Committee

CHIEF PATRON

S. Gurlabh Singh Sidhu, Chancellor, Guru Kashi University

CHIEF CO-PATRON

S. Sukhraj Singh Sidhu, Managing Director, Guru Kashi University

Prof (Dr.) Rameshwar Singh, Vice Chancellor, Guru Kashi University

PATRON

Prof. (Dr.) Piush Verma, Registrar, Guru Kashi University

Dr. Ashwani Sethi, Director IQAC, Guru Kashi University

CHAIRPERSON

Dr. Sawtantar Singh Khurmi, Dean FoE&T, Guru Kashi University

CONVENOR

Dr Gurpreet Kaur, Electrical Engineering, Guru Kashi University

CO-CONVENOR

Dr. Amit Tuteja, Dean, Faculty of Sciences, Humanities & Languages, Guru Kashi University

Dr. Munish Mehta, Civil Engineering, Guru Kashi University

Dr. Navdeep Singh Grewal, Mechanical Engineering, Guru Kashi University

Dr. Sunny Arora, Director IT, Guru Kashi University

Advisory Committee

Dr. Akhtar Kalam, Victoria University, Victoria, Australia

Dr. Akshay Girdhar, Professor, Guru Nanak Dev Engineering College, Ludhiana

Dr. Amit Deogar, Professor, NITTTR, Chandigarh

Dr. Amit Kamra, Professor, Guru Nanak Dev Engineering College, Ludhiana

Dr. Amit Kumar Manocha, Professor, MRSPTU, Bathinda

Dr. Anil Verma, Professor, Thapar Institute of Engineering & Technology, Patiala

Dr. Arvind Kalia, Professor, HP University, Shimla

Dr. Ashwani Kush, Professor, Kurukshetra University, Kurukshetra

Dr. Balwinder Singh, Professor, CDAC, Mohali

Dr. Dharam Singh, Namibia University of Science & Technology, Namibia

Dr. Inderjeet Singh, Professor, Guru Nanak Dev Engineering College, Ludhiana
Dr. Jaspreet Singh Dhillon, Professor, SLIET, Longowal
Dr. Kamaljeet Kaur Batra, Canadore College, Canada
Dr. Krishan Saluja, UIET, Panjab University Chandigarh
Dr. Mohan Lal Kolhe, Faculty of Engineering & Science, University of Agder (Norway)
Dr. Mandeep Singh, Professor, Thapar Institute of Engineering & Technology, Patiala
Dr. Naresh Garg, Professor, MRSPTU, Bathinda
Dr. Paramjeet Singh, Professor, MRSPTU, Bathinda
Dr. Parminder Singh, Professor, LPU, Phagwara
Dr. Ramesh Bansal, College of Engineering, University of Sharjah, UAE
Dr. Sarabjeet Kaur Bath, Professor, MRSPTU, Bathinda
Dr. Samudaya Nanayakkara, Western Sydney University, Australia
Dr. Sandeep Kautish, Asia Pacific University of Technology, Kathmandu, Nepal
Dr. Sarwan Singh, NIELIT, Ropar
Dr. Satish Kansal, Professor, BHSBIET, Sangrur
Dr. Sandeep Singh, Director Research, Bahra University, Solan
Dr. S.B. Goyal, City University, Malaysia
Dr. Shantha Fernando, University of Moratuwa, Sri Lanka
Dr. Shveta, Professor, MRSPTU, Bathinda
Dr. Varun Malik, Chitkara University, Rajpura
Dr. Vikasdeep Singh Mann, Associate Dean Research, CGC Jhanjeri
Dr. Vikram Singh, Professor, CDL University, Sirsa

University Advisory Committee

Dr. R.P Saharan, Dean, Academics & Research
Dr. Gurpreet Kaur, Dean, Faculty of Visual & Performing Arts
Dr. Vijay Laxmi, Dean, Faculty of Computing
Dr. Lokender Kashyap, Dean, Faculty of Agriculture
Dr. Manoj Kumar Katual, Associate Dean, Faculty of Pharmaceutical Sciences
Dr. Navneet Seth, Associate Dean, Faculty of Management & Commerce
Dr. Kavita Rani, Associate Dean, Faculty of Education

Dr. Gurpreet Kaur, Associate Dean, Faculty of Law
Dr. Jaswinder Singh, Associate Dean, Faculty of Physical Education
Mr. Rajender Kumar, Incharge, Department of Paramedical Sciences
Dr. Stuti Mittal, Incharge, Department of Physiotherapy
Mr. Navdeep Singh Hayer, Director, IED
Dr. Kanwaljit Kaur, Director, Youth Affairs & Culture
Er. Vishal Kumar, Director Admission
Dr. Arpana Bansal, Dy. Dean Academics
S. Kulvir Singh, Dy. Registrar

ORGANIZING SECRETARIES

Er. Kewal Singh, Mechanical Engineering, Guru Kashi University
Er. Rachna Rajput, Computer Science & Engineering, Guru Kashi University
Er. Atul Goyal, Petroleum Engineering, Guru Kashi University
Er. Yashpal Kumar, Civil Engineering, Guru Kashi University

CO-ORGANIZING SECRETARIES

Er. Sukhdeep Singh Gill, Mechanical Engineering, Guru Kashi University
Er. Mukesh Garg, Electrical Engineering, Guru Kashi University
Er. Harish Kumar, Civil Engineering, Guru Kashi University
Er. Harmandeep Kaur, Computer Science & Engineering, Guru Kashi University
Er. Jasmeet Singh, Electrical Engineering, Guru Kashi University

JOINT SECRETARIES

Er. Harpreet Kaur, Petroleum Engineering, Guru Kashi University
Er. Lovepreet Kaur, Computer Science & Engineering, Guru Kashi University
Er. Rupali, Computer Science & Engineering, Guru Kashi University
Er. Amrinder Kaur, Electrical Engineering, Guru Kashi University
Er. Vishal Behl, Civil Engineering, Guru Kashi University
Er. Amandeep Singh Sidhu, Mechanical Engineering, Guru Kashi University

Technical Program Committee

Dr. Sudhir Mittal, Deputy Dean Research, Guru Kashi University
Dr. Vikas Gupta, Director ODL, Guru Kashi University
Dr. Arwinder Singh Channi, Mechanical Engineering, Guru Kashi University

Dr. Navdeep Singh Grewal, Mechanical Engineering, Guru Kashi University
Dr. Munish Mittal, Civil Engineering, Guru Kashi University
Dr. Harsimran Singh, Electrical Engineering, Guru Kashi University
Dr. Sandeep Kumar Sharma, Mechanical Engineering, Guru Kashi University
Er. Rachna Rajput, Computer Science & Engineering, Guru Kashi University
Er. Navdeep Kumar, Mechanical Engineering, Guru Kashi University
Er. Yashpal Kumar, Civil Engineering, Guru Kashi University
Er. Pankaj Sethi, Computer Science & Engineering, Guru Kashi University
Er. Sunil Nagpal, Incharge HRDC, Guru Kashi University

Members of Organizing Committee

Er. Amanpreet, Computer Science & Engineering, Guru Kashi University
Er. Ankit Kumar, Computer Science & Engineering, Guru Kashi University
Er. Buta Singh, Mechanical Engineering, Guru Kashi University
Er. Gurcharan Singh, Electrical Engineering, Guru Kashi University
Er. Hemant Kumar, Electrical Engineering, Guru Kashi University
Er. Md. Irshad, Mechanical Engineering, Guru Kashi University
Er. Narinder Gupta, Mechanical Engineering, Guru Kashi University
Er. Narinder Kaur, Computer Science & Engineering, Guru Kashi University
Er. Navneet Kumar, Mechanical Engineering, Guru Kashi University
Er. Pankaj Kapoor, Electrical Engineering, Guru Kashi University
Er. Riya, Civil Engineering, Guru Kashi University
Er. Umer Ayoub, Electrical Engineering, Guru Kashi University

Student Coordinators

Ammu P Manoj (B.Tech 2022)
Harshveer Singh (B.Tech 2022)
Niraj Kumar (B.Tech 2023)
Rishu Kumar (B.Tech 2023)

Instructions for Authors

Authors are invited to submit full papers in English of not more than 8 pages (including figures, tables & references). The Scholars submitting manuscript(s) must ensure that it is the original work and it has not been published elsewhere before. All articles will be reviewed for scientific quality by the Technical Program Committee and peer-reviewers. The detailed guidelines are as:

1. Title and Abstract

- (a) *Title should be concise, informative and reflect the main topic.*
- (b) *Abstract (200–250 words) should summarize Key findings and significance of work*

2. Keywords

- (a) *Include 4–6 relevant keywords for indexing and searchability.*

3. Paper Structure: Follow the standard structure

- (a) *Introduction: Background, motivation, and objective*
- (b) *Literature Review: Summary of related works and research gaps*
- (c) *Methodology: Detailed explanation of research methods, models, tools, or experiments*
- (d) *Results and Discussion: Use tables, graphs, and figures, Interpret findings clearly*
- (e) *Conclusion: Summarize results, Contributions, and potential future work*
- (f) *References: Use IEEE/APA/specified format*

4. Originality and Contribution

- (a) *Ensure the work is original and not published elsewhere (or have permissions to reproduce).*
- (b) *Highlight your novel contribution clearly.*
- (c) *Ensure the overall similarity index of the manuscript should be below 15%, additionally the similarity index for single source must not exceed 5%.*

5. Formatting and Templates

- (a) *Use the conference-provided template (MS Word).*
- (b) *Follow specified: Font, margins, column format*
- (c) *Page limits (6–8 pages)*

6. Figures and Tables

- (a) *Must be clear, labelled and referenced in the text.*
- (b) *Use high-resolution images*
- (c) *Tables should have proper headings and labelling.*

7. Language and Style

- (a) Write in clear, formal academic English.*
- (b) Avoid grammatical errors and ambiguous terms.*
- (c) Use passive voice moderately, prefer active voice for clarity.*

8. References and Citations

- (a) Cite relevant, recent, and credible sources*
- (b) Use consistent citation style throughout the paper.*
- (c) Avoid plagiarism – use tools like Turnitin*

9. Review and Proofreading

- (a) Check for: Clarity, Technical accuracy, Grammar, and spelling*

10. Submission

- (a) Submit through the official portal before the deadline.*
- (b) Ensure you follow:*
 - (i) File format (Word)*
 - (ii) Naming conventions*
 - (iii) Author metadata settings (for double-blind reviews)*

11. Publication

- (a) All the selected papers will be published in ISBN-edited book.*
- (b) Selected papers will be published in indexed journals after peer-review and the fees after selection of manuscript will be charged accordingly.*

Tracks for IACE2025

The objective of this Conference (IACE2025) is to serve as vibrant hubs of knowledge exchange, bringing together experts, innovators, and enthusiasts to explore new ideas, discuss emerging trends, and foster collaboration. This event offers a platform to deepen understanding, build networks, and shape the future of industries and disciplines on advancements in fields of technology.

Now, let's explore the diverse tracks of the conference and the exciting insights they have to offer.

Track 1: Artificial Intelligence, Machine Learning and Data Science

- Machine Learning, Artificial Intelligence, Deep Learning
- Computer Vision and Image Processing
- Artificial Intelligence Ethics
- Role of AI in Green Transportation
- Artificial Intelligence in Engineering Healthcare, Agriculture, Biomedical Sciences & Education
- Applications of Computer Science and Software

Track 2: Data Analytics and Software Engineering

- Agile and DevOps Practices
- Big Data Architecture and Applications
- Data Warehousing and Data Integration
- Software Metrics and Analytics
- Software Quality Assurance and Testing

Track 3: Communication Systems and Security Issues

- Wireless, Quantum Communication and Networks
- Network Security and Privacy
- Cloud Communication Technologies, IoT & Security Issues
- Blockchain Security
- Intelligent Communication Systems
- Wireless and Broadband Communication

Track 4: Control Technologies

- Remote Sensing & GIS
- Design Automation,

- Robotics and Automation
- Autonomous Vehicles
- E-Vehicle Modelling and Control
- Power Electronic Applications
- Electrical Drives and Control
- Mechatronics
- Nanotechnology

Track 5: Power System and Electrical Engineering

- Power System Restructuring
- Smart Generation, Transmission & Distribution
- Control strategies, Power Quality and Power Systems Stability
- Economics & Electricity Markets
- Demand Side Management
- Transmission System Technologies
- Grid Flexibility, Resiliency & Security
- Power Sector Policies & Regulations
- Electric and Hybrid Vehicles
- Renewable Energy Sources and Technology
- Energy Storage Technologies
- Smart Grid Technologies

Track 6: Sustainability in Engineering

- Advanced Sustainable Materials
- New Technologies in Designing & Construction
- Sustainability in Environment & Water Resources
- *Any other topic related to the allied Artificial Intelligence and Sustainable Environment Applications*

REGISTRATION

REGISTRATION FEE

Category	Fees
Registration Fees	Rs. 2000
Only Participants	Rs. 500
International Delegates	US\$ 50

IMPORTANT INSTRUCTIONS

1. At least one author of each accepted manuscript must register for the conference to be included in the final proceedings.
2. Author registration must be completed before the deadline.
3. Registration will be considered complete only after the successful payment and acknowledged by the conference committee.
4. The registration fee details for various categories are available on the conference website and brochure. Please ensure you pay the correct amount.
5. After registration, authors must upload the final camera-ready version of the manuscript, incorporating all the suggestions received from the reviewers, before the deadline.
6. Registered authors must attend the conference and present their work, either in person or virtually.
7. Registration fee is non-refundable.
8. Only registered and presenting authors will receive certificates of participation and presentation.