

About TIET

Thapar Institute of Engineering and Technology (TIET) was established in 1956 and is today recognized amongst the leading privately managed institutions of the country. As a result of the inspiring vision and perseverance of the founders, TIET has steadily and impressively grown in size and activities during the last seven decades of its existence. Keeping pace with emerging global standards, globalization and advances in technology, Thapar Institute offers education ecosystems with quality learning ranked and recognized worldwide. Our rankings are by the foremost global educational ranking organizations. TIET has consistently been ranked amongst the top 30 engineering institutions in the annual National (NIRF) Rankings. The Institution is accredited as an A++ Institution (only the top 4% of Universities fall in this category) by the National Assessment and Accreditation Council (NAAC). Eligible programs are NBA and ABET-accredited. At present, TIET is among the few top Indian private universities that feature in the top 500 of Times Higher Education and QS world subject rankings. TIET's teaching and learning practices focus on student-centred learning and the outcomes-based and project-led approach that brings out the best in each student. The diverse programs in Engineering, Sciences, Management and Liberal Arts aim to develop quality of mind, ethical standards, social awareness and global perspectives.

About the conference

This conference focuses on the evolving landscape of higher education in the era of digitization and Education 4.0. It explores the integration of emerging technologies such as Artificial Intelligence, automation, and advanced engineering to transform the learning environment, curricula, and pedagogy. Bringing together educators, policymakers, researchers, and innovators, the conference aims to inspire strategic approaches for embedding technology into academia and industry. The goal is to enhance the quality of education and address the dynamic needs of a globalized world.

With a strong emphasis on implementing Education 4.0 standards and the Outcome-Based Education (OBE) framework—now a cornerstone for higher education institutions—this conference invites original research papers on diverse topics as mentioned below.

Organizing Committee

Thapar Learn Fellows

Dr. Rajesh Khanna
Dr. T.P. Singh
Dr. Manmohan Chhibber
Dr. Anoop Verma
Dr. Meenakshi Rana
Dr. Karmindar Ghuman
Dr. Gurvinder Kaur
Dr. Parag Nijhawan
Dr. S.C. Bose
Dr. Lovleen Brar
Dr. Amanpreet Kaur
Dr. Gagandeep Kaur

UQ Fellows

Dr. Manmohan Chhibber
Dr. Amanpreet Kaur
Dr. Gagandeep Kaur
Dr. Sharad Saxena
Dr. Sheikh Adil Edrisi
Dr. Ravinder Kumar
Dr. Dwarika.N.Ratha
Dr. Alka Pandita

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International Conference on Transforming Higher Education for Future: Education 4.0 (THEC 2025)

26th - 27th September 2025

Chief Patron

Dr. Padmakumar Nair
Director, TIET, Patiala

Patron

Mr. Sanjay Sen
Dr. Ajay Batish

Convener

Dr. Gagandeep Kaur
Dr. Amanpreet Kaur

Organizing Secretary

Dr. Gurvinder Kaur
Dr. Parag Nijhawan
Dr. Alka Pandita

Guest of Honor

Dr. Sue Harrison

(Dean, University of Queensland,
Brisbane, Australia)

Advisory Committee

- Prof. Dhananjay Singh, Director, GP Pant IE & T, Pauri Garhwal, India.
- Dr. Avinash Chandra, Associate Professor, TIET, Patiala, India.
- Dr. A K Gautam, Assistant Professor, NIT Hamirpur, India.
- Dr. R K Arya, Professor, NIT Jalandhar, India.
- Dr. Bhanu Pratap Singh, CSIR-NPL, New Delhi, India.
- Dr. Pradeep Kumar, Assistant Professor, IET, Lucknow, India.
- Prof. Sushil Kumar Kansal, Dr. S. S. Bhatnagar University Institute of Chemical Engineering & Technology, Punjab, India.
- Dr. Sachin Kumar, Scientist, Sardar Swaran Singh National Institute of Bio-Energy, Kapurthala, India.
- Dr. H. J. Pant, Outstanding Scientist and Head, Isotope and Radiation Application Division, Bhabha Atomic Research Centre, Mumbai, India.
- Prof. Singara Singh Kasana, Central University of Haryana, Mahendergarh, India.
- Dr. Sunil Dhole, CEO, Chemdist Group of Companies, India.
- Prof. Rajesh Kumar Upadhyay, Indian Institute of Technology (BHU) Varanasi, India.
- Dr. Sandip Patil, Director, E-Spin Nanotech Pvt. Ltd., Kanpur, India.
- Prof. Ram Prakash Bharti, IIT Roorkee, India.
- Prof. Amit Kumar Dhiman, Indian Institute of Technology Roorkee, India.
- Prof. Narasimha Mangadoddy, IIT Hyderabad, India

Conference Tracks

1. Experiential Learning

- Impact of Experiential Learning on Students
- Implementing Experiential Learning Best Practices
- Successful Experiential Learning Case Studies
- Creating Experiential Learning Opportunities
- Evaluating Experiential Learning Effectiveness
- Innovations in Education Enhancing Scientific Literacy

2. Active Learning

- Team Work / Group Work
- Peer to Peer Learning
- Student Engagement in Large Classrooms
- Outcome-Based Education
- Design a thinking-based approach in Teaching and Learning
- Tutoring and Mentoring
- Holistic Student Development

3. Project-Based Learning

- Real-World Project Experiences
- Industry-Academia Collaboration for PBL
- Integrating Projects into the Curriculum
- Evaluation Rubrics for PBL
- PBL Conversions Towards RIT (Research Integrated Teaching)

4. Faculty Development and Support

- Continuous Professional Development
- Curricular and Pedagogical Research
- Best Practices for Faculty-Student Interaction and Mentorship
- Co-Teaching and Peer Teaching
- Reflective Teaching Practices

5. Student Engagement, Employability and Career Readiness

- Student Motivation and Engagement
- Mentoring and Counselling
- Career Readiness and Employability Skills
- Employability, Placement and Internship Support
- Student Involvement in Research Projects and Start up Initiatives
- Reflection for Personal and Professional Growth
- Life Long Learning
- Role of Extracurricular Activities

6. Artificial Intelligence (AI) in Education

- Role of Artificial Intelligence in Shaping Cognitive Skill Learning
- Curriculum Planning for Future
- Transformative Effect of AI in Education
- Benefits and Challenges related to AI in Education
- Blockchain to Secure Credentials
- Cognitive Skills and Learning
- Quality Standards

7. Advances in Educational Technology

- E-Learning Initiatives
- Adaptation to New Technologies
- Social & Digital Media
- E- Management and Online Classroom
- Simulation & Animation, Educational Multimedia
- Interactive Whiteboard and Assistive Technologies
- Blended Learning with Advanced Classroom Technologies
- Virtual Learning for Online/Virtual Laboratories
- Online Assessment
- Plagiarism Technologies
- Managed Learning Environments (MLEs)
- Learning Management Systems (LMS)

8. Academia- Industry Connect

- Internship Programmes
- University Start-Ups
- Workplace Learning
- Employability
- Entrepreneurship Education
- University-Industry-Government Partnership
- Patents & Technology Transfer

9. Global Implications of Education

- Globalization of Education
- Global Challenges of Education
- International Accreditations
- Government Policy Issues
- Ethical Issues in Education
- Education for Sustainability
- Leadership & Educational Management
- Cross-Border Education & Exchange Programs

Keynote Speakers



*Prof. Sue Harrison
Dean, Institute for Teaching
and Learning Innovation
University of Queensland*



*Prof. Navneet Chopra
Department of Philosophy
Delhi University*



*Prof. Padmakumar Nair
Director
Thapar Institute of Engineering
and Technology, Patiala*

Dates

Abstract submission	15th June
Abstract acceptance	30th June
Fee submission	15th July
Full paper submission	15th August
Full paper acceptance	30th August

Fee Structure

<i>PARTICIPANTS</i>	FEE
Faculty Delegate	Rs 6000 + GST
TIET Research Scholar	Rs 1000 + GST
Other Research Scholars	Rs 1500 + GST
Industry	Rs 8000 + GST
Listeners	Rs 1000 + GST
Foreign Delegates	300 USD

Registration

Delegates should register online at www.thec2025.thapar.edu.

Accommodation

Accommodation in Campus Hostel / Guest Room / Hotel Can be arranged on demand. For bookings contact at thec2025@thapar.edu