

About TIET

Thapar Institute of Engineering and Technology (TIET), established in 1956, is one of India's leading private institutions. Over the past seven decades, it has grown significantly, aligning with global education standards and technological advancements. TIET is consistently ranked among the top 30 engineering institutes in NIRF and holds an A++ NAAC accreditation. Several programs are NBA and ABET-accredited. It is also featured in the top 500 globally by Times Higher Education and QS rankings. TIET emphasizes student-centered, project-based learning to foster excellence.

About NITTTR Chandigarh

NITTTR Chandigarh, was established in 1967 by the Ministry of Human Resource Development, Government of India, with support from the Royal Netherlands Government. One of four such regional institutes, it has played a key role in advancing technical education in India. NITTTR Chandigarh offers specialized training programs for faculty in engineering and technical institutions, and is known for its leadership in curriculum development, instructional material design, educational research, extension services, and consultancy in educational technology. It also conducts AICTE-sponsored Induction Training Programmes to strengthen higher education quality nationwide.

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 UQ Fellows

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| <ul style="list-style-type: none">• 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 (UQ Fellow)• Dr.Gagandeep Kaur (UQ Fellow) | <ul style="list-style-type: none">• Dr.Sharad Saxena• Dr.Sheikh Adil Edrisi• Dr.Ravinder Kumar• Dr.Manmohan Chhibber• Dr.Amjad Ali• Dr.Neloy Kumar Chakroborty• Dr.Alka Pandita• Dwarika Nath Ratha |
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Advisory Committee

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| <ul style="list-style-type: none">• 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. Bhatnagar University Institute of Chemical Engineering & Technology, Punjab, India.• Dr. Sachin Kumar, Scientist, Sardar Swaran Singh National Institute of Bio-Energy, Kapurthala, India.• Dr.Krishan Kumar Saluja University Institute of Engineering & Technology Punjab University• Dr.Neelam Chadda GM NTPC Nagpur• Dr.Kartikayan Machavaram, Director IITDM Kancheepuram | <ul style="list-style-type: none">• 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• Dr.Monika Sachdeva I.K Gujral Punjab Technical University• Dr.Paramjit Computer, Dean student affairs MRS PTU• Prof. Y P Verma , Registrar , Punjab University , Chandigarh |
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International Conference on Transforming Higher Education for Future: Education 4.0 (THEC 2025)

September 26-27 , 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)

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. 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)

6. 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

7. 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

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

Contact Us

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<https://www.thapar.edu/>

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

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

Fee Structure

| PARTICIPANTS | 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
<https://thec2025.thapar.edu/register.html>

Accommodation

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