



Thapar Institute of Engineering and Technology (TIET) was established in 1956 and is today recognized amongst the leading institutions of the country. Keeping pace with emerging global standards, globalization, and advanced technology, TIET offers education ecosystems with quality learning, ranked and recognized worldwide. TIET has consistently been ranked amongst the top 30 engineering institutions in the annual National Rankings (NIRF). 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). Presently, TIET is among the few top Indian universities that feature in the top 500 of Times Higher Education and QS world subject rankings. TIET's teaching and learning practices emphasize student-centric learning and the outcomes-based and project-led approaches that bring out the best in each student

NITTTR Chandigarh, was established in 1967 by the Ministry of Human Resource Development, Government of India, with support from the Royal Netherlands Government. The institute has been granted Deemed to be University status (Under Distinct category) by UGC in 2024. NITTTR Chandigarh has played a key role in advancing technical education in India. It 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 continuously promotes various schemes launched by the Government of India such as National Education Policy-2020 i.e. NEP-2020, Atmanirbhar Bharat, Digital India, Make in India, Skill India, Indian Knowledge Tradition etc. The glorious traditions of this institute, developed and enhanced during its long journey of more than 57 years dedicated to technical education, training and research, are a source of inspiration for the current generation of teachers and technical institutes.



About the conference

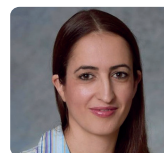
TIET in collaboration with NITTTR Chandigarh is organizing a conference on Transforming Higher Education for Future: Education 4.0. This conference focuses on the evolving landscape of higher education in the era of digitization and Education 4.0. It explores the integration of emerging technologies such as Artificial Intelligence, automation, and advanced engineering to transform the learning environment, curricula, and pedagogy. Bringing together the educators, policymakers, researchers, and innovators, the conference aims to inspire strategic approaches for embedding technology into academia and industry. The goals are 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 which are mentioned in Conference Tracks.

Guest Speakers



Prof. Rajesh Kumar Dixit
Professor,
NITTTR, Bhopal

Prof. Hadas Mamane
Professor,
Tel Aviv University, Israel



Prof. Aard Groen
Chair Professor,
University of Groningen, Netherlands

Dr. Navneet Chopra
Assistant Professor,
University of Delhi



Contact Us

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Thapar Institute of Engineering & Technology and NITTTR, Chandigarh is Organizing International Conference

on Transforming Higher Education for Future: Education 4.0 September 26–27, 2025

Chief Patron

Dr. Padmakumar Nair Director, TIET, Patiala
Dr. Bhola Ram Gurjar Director, NITTTR, Chandigarh

Patron

Dr. Ajay Batish Deputy Director, TIET, Patiala
Mr. Sanjay Sen Head Group HR, TIET, Patiala

Convener

Dr. Gagandeep Kaur
Dr. Amanpreet Kaur

Organizing Secretary

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

Organizing Committee (NITTTR)

Dr. A B Gupta
Dr. Sandeep Singh Gill
Dr. Maitreyee Dutta
Dr. Rupinder Singh

Registration

Delegates should register online at www.thec2025.thapar.edu Payment should be made through Credit/ Debit card. Registration fee can also be paid through a bank draft in favor of the Director, TIET, payable at the State Bank of India, TIET branch, Patiala (IFSC code- SBIN0050244 / Branch code 050140)

Registration includes- Lunch, Tea/ Coffee, etc.

Selected papers will be published in Conference Proceedings / Indexed Journals.

Accommodation

Accommodation in Campus Hostel / Guest room / Hotel Can be arranged on demand, subject to availability, on payment basis. For bookings please contact at thec2025@thapar.edu

IMPORTANT DATES

Abstract Submission	15 June 2025
Acceptance of Abstract	30 June 2025
Early Bird Registration	15 July 2025
Fee Submission	30 July 2025
Full Paper Submission	15 August 2025
Full Paper Acceptance	30 August 2025

Fee Structure

	Fee
Faculty Delegate	Rs 6000 + GST
Research Scholar	Rs 1000 + GST
Other Research Scholars (UG/PG/Ph.D.)	Rs 1500 + GST
Industry	Rs 8000 + GST
Listeners	Rs 1000 + GST
Foreign Delegates	300 USD (All inclusive)

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
- Dr. Dwarika Nath Rath

UQ Fellows

- Dr. Sharad Saxena
- Dr. Nelay Kumar Chakroborty
- Dr. Amjad Ali
- Dr. Sheikh Adil Edrisi

Conference Tracks:

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

Active Learning

- Teamwork / 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

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)

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
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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

Artificial Intelligence (AI) in Education

- Role of Artificial intelligence and Machine learning in teaching and learning
- Curriculum Planning for Future
- Transformative Effect of AI in Education
- Benefits and Challenges related to AI in Education

- Block Chain to secure credentials
- Cognitive Skills and Learning
- Quality standards

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)

Academia- Industry Connect Internship Program

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

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

Changing Paradigm in Higher Education Scenario

- Traditional Education System
- Indian Knowledge System
- Evolution of Education Policy in India
- National Education Policy 2020
- Global Trends in Education System: Success and Failure Stories of Different Nations
- Bibliometric Analysis

PANEL DISCUSSION OF TOP EDUCATIONISTS

- Future ready faculty , adapting to changes in higher education.
- Key parameters of faculty hiring