



PANIPAT INSTITUTE OF ENGINEERING & TECHNOLOGY

(An Autonomous Institute, Approved by AICTE, New Delhi & Affiliated to Kurukshetra University, Kurukshetra)



SDG 11: SUSTAINABLE CITIES AND COMMUNITIES

Goal 11: Make cities and human settlements inclusive, safe, resilient and sustainable

1. Contributing to sustainable communities by forming networks of existing students with wellplaced alumni and spreading a message of sustainable future:

PIET promotes sustainable communities by connecting students with successful alumni, encouraging sustainable practices in academics and careers. The institute organizes events, webinars, and workshops on sustainability, involving alumni and industry experts. These initiatives foster a culture of sustainability on campus and inspire students to contribute to their local communities and Panipat city.



Glimpses of Alumni Talks at PIET

2. Plastic-Free Campaigns

PIET promotes environmental sustainability through plastic-free campaigns, raising awareness about plastic waste and encouraging sustainable alternatives. In partnership with the Panipat Refinery, PIET addresses plastic bag usage and has distributed eco-friendly bags made from waste plastic to the District Administration. This initiative helps reduce single-use plastics and promotes a circular economy. By collaborating with local authorities, PIET is driving widespread adoption of sustainable practices, contributing to a cleaner, more environmentally-conscious Panipat.

Clean India Campaign 2.0



Cloths Bags Distribution



PIET awareness programs for clean environment

3. Waste Management

- *Solid Waste Management*

The approximate amount of waste generated from the institute buildings, canteen, kitchens, playgrounds, toilets, laboratories, hostel facility, guesthouses etc as per the recent audit report are (i) Biodegradable waste – 3564.5 kg/month; (ii) Non-biodegradable waste – 15 kg/month; (iii) Others (electronic waste) – 01 kg/month. The solid waste generated in the institute is managed by the methods of reusing, recycling, composting and supply to outside animal farms. Institute has a tie-up with Exigo Recycling Pvt. Ltd., certified by the Haryana State Pollution Control Board and Central Pollution Control Board for recycling of the electronic waste.

- *Liquid Waste Management*

A Sewage Treatment Plant (STP) has been installed on the campus that removes contaminants from wastewater. It uses physical, chemical, and biological processes to remove contaminants and produces environmentally safer treated wastewater for gardening purposes.



Rain water recycling and Waste management plant at PIET

4. Cleanliness Awareness Initiatives:

PIET promotes sustainability in Panipat through cleanliness awareness initiatives, educating the community on the importance of cleanliness for environmental health. The institute organizes campus and local cleanliness drives, focusing on waste management and recycling. By collaborating with local authorities, PIET helps foster clean, green practices in Panipat, contributing to a healthier, more sustainable city aligned with SDG 11.



Cleanliness awareness in nearby villages by PIET students

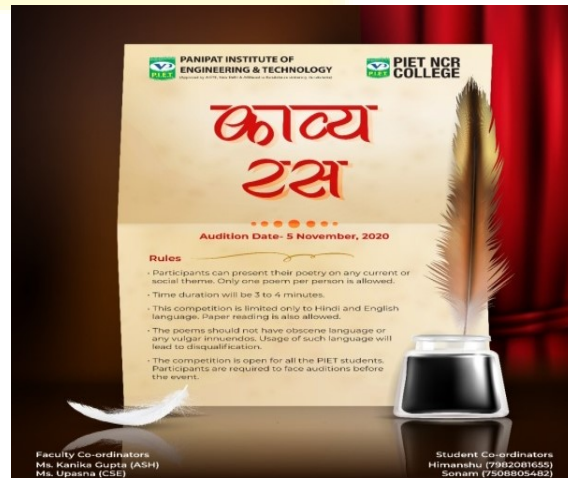
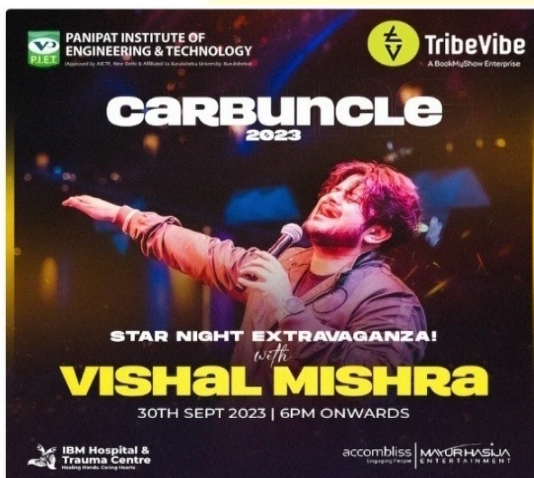


Certification for cleanliness

5. Promotes Cultural Heritage

PIET actively promotes cultural heritage as part of its commitment to creating sustainable communities and strengthening social cohesion. The institute recognizes that preserving and celebrating cultural heritage plays a crucial role in fostering a sense of identity, pride, and belonging, which contributes to a more resilient and sustainable society.

Through various events, festivals, and cultural programs, PIET engages students and the local community in the appreciation of diverse cultural traditions, arts, and crafts. These initiatives encourage respect for cultural diversity and help in preserving traditional practices, while also providing a platform for students to showcase their talents and creativity.





Pehla Panna

November 12th 2024

Good News : पानीपत के PIET में सात दिन चलो थियेटर, नेशनल स्कूल ऑफ ड्रामा की टीम पहुंच रही, जानिये कब कौन सा थियेटर, आप कैसे पहुंच सकते हैं PehlaPanna पर जानें



हरियाणा (Haryana) के पानीपत (Panipat) में पट्टीकल्याणा स्थित पानीपत इंस्टीट्यूट ऑफ इंजीनियरिंग एंड टेक्नॉलोजी (PIET) में रंगकर्मियों का मेला लगने जा रहा है। यहां सात दिन तक लाइव थियेटर होगा। खास बात ये है कि नेशनल स्कूल ऑफ ड्रामा (NSD) रंगमंडल की टीम के सदस्य लगातार यहां नाटक प्रस्तुत करेंगे। देश के प्रसिद्ध कलाकारों को आप लाइव अभिनय करते हुए देख सकते हैं। PehlaPanna पर पढ़ें ये खबर। जानिये, कैसे आप भी पहुंच सकते हैं।

PIET Chairman, Vice Chairman and DSW introducing Chalo theatre series of 2024

6. Affordable Accommodation Facilities within the campus for students and faculties.

PIET provides affordable, on-campus accommodation for students and faculty, supporting SDG 11's goal of promoting safe, affordable, and sustainable living. The facilities offer modern amenities and a secure environment that fosters physical and psychological well-being. By alleviating financial burdens, PIET enables residents to focus on their academic and professional goals. These accommodations also promote a sense of community, enhancing social connections and collaboration, and contributing to a more resilient, sustainable campus.



PIET Girls Hostel room



PIET Boys Hostel room

7. Mass Transit via Transport Facilities

PIET promotes sustainable transportation by offering mass transit options like buses and van pools for staff and students, aligning with SDG 11's goal of promoting safe, affordable, and reliable mobility. These options reduce dependence on private vehicles, cutting traffic congestion and carbon emissions. They also enhance social cohesion by providing affordable transportation to all campus members. With over 50 buses, both AC and non-AC, PIET ensures safety and punctuality while supporting educational trips and community-building. This initiative fosters a more resilient and environmentally responsible campus.



PIET college buses

8. Energy Efficient Buildings On The Campus

PIET promotes sustainability through energy-efficient campus buildings, supporting SDG 11's goal of resilient communities. The institute uses energy-saving technologies like solar power, bio-gas, LED lighting, and efficient HVAC systems to reduce energy consumption and minimize its carbon footprint. These eco-friendly buildings create a healthier indoor environment, improving well-being and productivity. By investing in green architecture, PIET sets a positive example for sustainable practices, encouraging broader adoption in the community and contributing to long-term environmental sustainability.



A snapshot of energy conservation initiatives at PIET

9. Easy Access to PIET Buildings:

PIET is committed to creating an inclusive environment with facilities for individuals with disabilities, including lifts for easy access to different blocks, ramps for smooth entry, accessible washrooms with clear signage, a Braille keyboard in the Central Library for visually impaired users, and scribe services to assist with transcription needs. These efforts ensure comfort and accessibility for all.



A picture of lift in D Block



A picture of ramp near D Block

10. Record And Preserve Cultural Heritage

Panipat city is a hub of export houses and it is well known for its contribution in textile sector. The Department of Textile Engineering at PIET organized a One-Day Conference on "Sustainability in Technical Textiles – A Path Towards Greener Innovations," held on December 4, 2024, at the Panipat Institute of Engineering & Technology, was a resounding success. Organized in collaboration with the Indian Technical Textile Association (ITTA), the event brought together distinguished speakers from academic and industry sectors to explore sustainable practices in technical textiles.



Conference poster

The conference focused on eco-friendly innovations, circular economy principles, and advanced technologies reshaping the sector. It provided a valuable platform for knowledge exchange, fostering innovation and collaboration among students, faculty, and professionals. The event's success was driven by strong support from PIET's management and leadership, especially Prof. (Dr.) Shakti Kumar, whose guidance was pivotal. Overall, the conference contributed significantly to promoting sustainability within the technical textiles industry, with participants leaving equipped with actionable insights for a greener future.



PIET authorities and Conference guests on the inauguration ceremony

11. Pedestrian Priority On Campus

PIET prioritizes pedestrian safety and accessibility to create a sustainable, inclusive campus, aligning with SDG 11's goal of safe, resilient communities. The campus features dedicated pedestrian pathways, reduced traffic zones, and safe crossings, promoting walking over vehicle use to reduce carbon footprints. This initiative enhances safety, encourages community interaction, and fosters a cleaner, greener environment, serving as a model for other institutions and communities aiming to improve sustainability and quality of life.



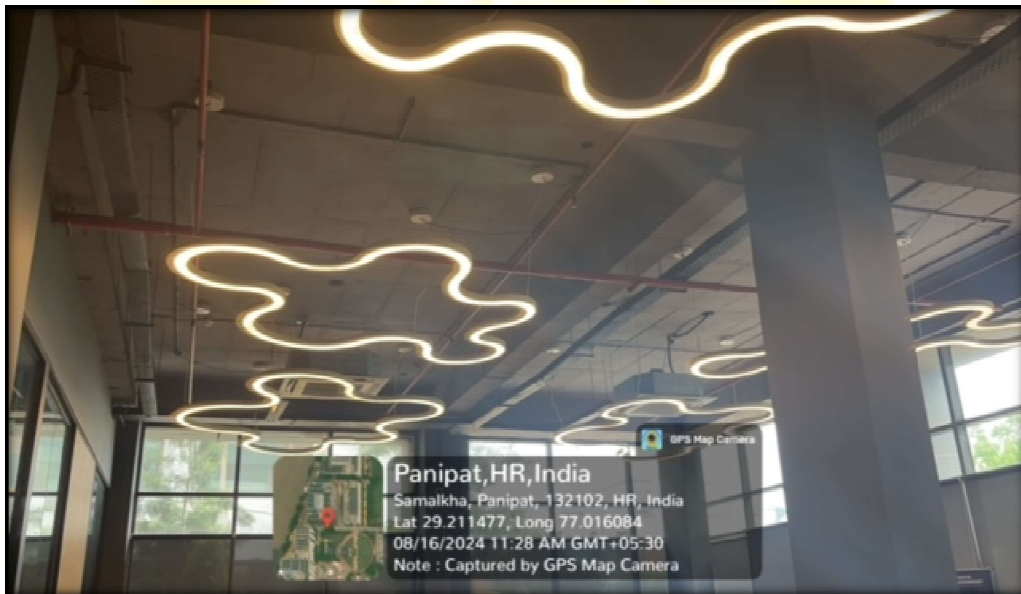
Walkways near B Block and boys hostel for pedestrians



Battery powered vehicle designed by PIET students

12. Local Authority Collaboration Regarding Planning And Development

PIET collaborates with local authorities on sustainability initiatives such as rainwater harvesting and plantation drives. The campus features eco-friendly technologies, including LED lights, IoT sensors, and energy-efficient HVAC systems. Buildings are constructed using fly ash bricks, which are environmentally friendly, cost-effective, and stronger than traditional clay bricks. These efforts contribute to a more sustainable campus with minimal environmental impact.



LED (energy conservation) lights in RISE building-G Block

Flying Club Trust

(Regd. 6275/21-22)
Just For Happiness



गऊ सेवा



प्राकृति सेवा

मिशन ग्रीन की श्रवणा को आगे
बढाते हुये. पाइल्ट स्कूल और Flying Club
द्वारा सेंक्टर 19 में ग्रीन बेल्ट को
मि लगभग 2 रकड जगह थी उसमे
600 पेड लगये गये, जंगल के पारो
तरफ मीलर लगा कर फेन्सींग की गई,
इस पूरे मिनी जंगल में सभी प्रजातियो के पेड
लगये गये, इस समन्वित कार्य के लिये
मिनी जंगल का पूरा खर्चा PIET SCHOOL
द्वारा दिया गया. 139300-. इसके लिये
Flying Club. Piet School Management का
धन्यवाद करती हूँ.

Shri. H. S. S.

Copy of agreement with Flying Club Trust (for creation and maintenance of Nano Jungles)