

Training on Environmental Aspects of Sustainability

2024-25



**Shoolini University of Biotechnology and Management Sciences,
Bajhol, Solan, Himachal Pradesh-173229**

In alignment with its vision of “*Sustainable Independence: Commitment to a Better Tomorrow*,” Shoolini University has adopted a comprehensive and structured approach to capacity building in environmental sustainability for faculty and staff. The university integrates formal training programmes, conferences, and continuous sensitization initiatives to embed sustainability into institutional practices and culture.

During AY 2024–25, a total of **19,211 person-hours** of structured training on sustainability-linked themes were delivered through Faculty Development Programmes (FDPs), national and international conferences, and interdisciplinary workshops. These included a **5-day FDP on Next-Gen Civil Engineering: AI & GIS** (40 hours) and a **5-day FDP on Research Methodology in Social Sciences** (40 hours), along with key conferences such as the **ICSSR Conference on Agri-Entrepreneurship** (17 hours), **HCICC-2025** (15 hours), and **AAHC** (15 hours). Additionally, **13 workshops/seminars** were conducted during AY 2024–25, and a few sample reports are attached for reference.

These programmes witnessed strong engagement, with a cumulative participation of **662 faculty members and staff**, resulting in a significant **total training exposure of 19,211 person-hours**. This reflects the depth and scale of institutional commitment toward strengthening environmental awareness and sustainability competencies.

In addition to formal training, all faculty members and students are systematically sensitized on sustainability-related aspects during their induction programmes and regular activities conducted on campus, ensuring that environmental responsibility becomes an integral part of academic and administrative functioning from the outset. This continuous orientation reinforces the university’s commitment to embedding sustainability into its core values and daily operations.

The structured training is further complemented by experiential learning through campus-wide sustainability initiatives such as **zero-plastic campaigns, plantation drives, environmental awareness programmes, and eco-club/NSS-led activities**. Together, these efforts promote both knowledge enhancement and behavioral change.

Overall, the combination of **127 hours of formal training, 19,211 cumulative training hours, and mandatory sustainability sensitization during induction** demonstrates Shoolini

University’s holistic and impact-driven approach to environmental sustainability. The university continues to build a well-informed, responsible, and proactive academic community capable of contributing meaningfully to global sustainability goals.

Training held on Environmental aspects of Sustainability

Sr. No.	Events	Training Hours	No. of Participants
1	Five days eFDP-Next-Gen Civil Engineering: The power of AI & GIS	40	193
2	5-Day Online FDP on Research Methodology in Social Sciences	40	172
3	Two-day ICSSR Conference Empowers Next-Gen Agri-Entrepreneurs	17	78
4	Two-day International Conference on Human-Computer Interaction and Cognitive Computing (HCICC-2025)	15	156
5	International Conference on Applied Artificial Intelligence and Innovation (AAIIC)	15	63

Other Workshop/Seminar held on Environmental aspects of Sustainability

S. No.	Event Name	Date	Relevance to Environmental aspects of Sustainability
1	Eco-Friendly Induction Program	Aug 20–23, 2024	Faculty introduced sustainability concepts, energy efficiency, waste reduction, and integration of sustainability into curriculum and campus practices.
2	Seminar on the Role of Wetlands in Ecosystem	Aug 30, 2024	Provided knowledge on biodiversity, ecosystem conservation, and environmental protection through expert sessions.

3	Zero Plastic Marathon	Sept 05, 2024	Promoted plastic-free practices and environmental responsibility through practical implementation.
4	Waste to Wonder Competition	Sept 06, 2024	Trained participants in recycling, reuse, and waste management through hands-on sustainable innovation.
5	Sustainable Bag Painting Competition	Sept 20, 2024	Encouraged use of eco-friendly materials and promoted reduction of plastic usage.
6	Mega Plantation Drive	Sept 30, 2024	Provided practical training on biodiversity conservation, tree plantation, and ecological restoration.
7	Cleanliness Drive (Gandhi Jayanti)	Oct 02, 2024	Focused on waste segregation, community cleanliness, and environmental responsibility.
8	Plantation Drive	Oct 03, 2024	Provided practical training on biodiversity conservation, tree plantation, and ecological restoration.
9	Manchanta Sustainability Flashmob	Oct 16, 2024	Raised awareness through creative engagement on sustainable practices across departments.
10	Sustainable Eating Webinar (Food-Planet-Health)	Dec 03, 2024	Delivered expert knowledge on sustainable food systems, climate impact, and eco-friendly lifestyle choices.
11	Ashwini Khad Cleaning Drive	Nov 16, 2024	Hands-on training in waste management, recycling, and environmental conservation.
12	Christmas Celebration with Sustainability Theme	Dec 23, 2024	Demonstrated eco-friendly event management using biodegradable and reusable materials.

13	Our Power, Our Planet: Shoolini's Earth Day 2025	April 24, 2025	This event engaged faculty and students in mentoring, organizing, and evaluating sustainability-focused activities such as clean energy demonstrations, waste-to-wonder innovations, and sustainable product exhibitions.
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**Training of Environmental Aspect
(faculty and staff)
AY 2024-25**

Training on Environmental Sustainability – Photographic Brochure Evidence



5-Day Online Faculty Development Program

(e-FDP)

NEXT-GEN CIVIL ENGINEERING

The Power of AI & GIS

9-13 JULY 2024

Organized by: **School of Core Engineering**
Organizing Institute: **Shoolini University**

ABOUT SHOOLINI UNIVERSITY

Founded by leading academicians and professionals, Shoolini University is a young, research-focussed, philanthropic university. Established in 2009, this dynamic and innovation-led centre of learning has made giant strides. As per 2024 Times Higher Education and 2025 QS World University rankings, the University is ranked as the No.1 private university in India. It has consistently been ranked among India's top 100 universities (NIRF), is one of India's highest generators of patents and innovation and matches the world's best universities in research output. The University is accredited by the University Grants Commission (UGC) and National Assessment & Accreditation Council (NAAC).

CHIEF-PATRON

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Prof. Vishal Anand, Pro-Chancellor, Shoolini University

PATRON

Prof. Atul Khosla, Vice Chancellor, Shoolini University
Prof. Ashish Khosla, President and Chief Innovation & Marketing Officer, Shoolini University

CHAIRMAN

Prof. Virender Rihani, Dean, Faculty of Engineering & Technology

CONVENORS

Prof. Mohindra Singh Thakur, HoS, School of Core Engineering

COORDINATORS

Dr. Arunava Poddar, Asst Professor, School of Core Engineering
arunavapoddar@shooliniuniversity.com
(Ph.: +91 8628832810)

Dr. Navsal Kumar, Asst Professor, School of Core Engineering
navsalkumar@shooliniuniversity.com
(Ph.: +91 9882878030)

RESOURCE PERSONS

Dr. Mahesh Sharma, UIT-HPU Shimla
Dr. Akhilesh Nautiyal, NIT Uttarakhand
Dr. Hitesh Upreti, Shiv Nadar University
Dr. Paratibha Aggarwal, NIT Kurukshetra
Mr. Ritam Chakraborty, GIS Analyst, OLA

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ABOUT THE FDP

This program aims to explore the advanced applications of Artificial Intelligence (AI) and Geographic Information Systems (GIS) in the field of Civil Engineering. By integrating these cutting-edge technologies, we can revolutionize our approach to infrastructure development, urban planning, environmental management, and more. The primary objective of this FDP is to provide faculty members with in-depth knowledge and practical insights into the latest AI and GIS applications in Civil Engineering. This will enhance their teaching methodologies and research capabilities, ultimately benefiting our students and aligning our curriculum with current industry standards.

TOPICS TO BE COVERED

- Machine Learning in the field of Civil Engineering
- Remote Sensing Techniques, Applications & Innovations
- Construction Technology and Management
- Remote Sensing and its application in Water Resources
- Hands-on training of GIS in Transportation Engineering

REGISTRATION LINK

<https://forms.gle/iWzWkYGxN3H4GpHS7>

REGISTRATION FEES

UG/PG/PhD Research Scholars	Rs. 100/-
Faculty/Scientist	Rs. 200/-
Industry/R&D Labs	Rs. 500/-

BANK ACCOUNT DETAILS

ACCOUNT NAME
Shoolini University of Biotechnology & Management Sciences

ACCOUNT NUMBER
0433000100728136

BANK NAME
Punjab National Bank

IFSC CODE
PUNB0043300

IMPORTANT DATES

Last date (Online Registration): **05-07-2024**
FDP Duration: **09-07-2024 to 13-07-2024**



5-Day Online Faculty Development Program
(e-FDP)

 Shoolini
University

RESEARCH METHODOLOGY *for* SOCIAL SCIENCES

Short-Term Course

 29 July - 2 August 2024

Organized by: Faculty of Management Sciences
Organizing Institute: Shoolini University



INTERNATIONAL CONFERENCE
ON
HUMAN COMPUTER INTERACTION AND COGNITIVE COMPUTING (HCICC - 25)

(Financially supported by ANRF (SERB), Govt. of India, and NIELIT Shimla)

Organized By

Shoolini University, Himachal Pradesh

in Collaboration with

**National Institute of Technology Hamirpur, Himachal Pradesh,
iHub and HCI Foundation, Indian Institute of Technology Mandi, Himachal Pradesh
and iCreate, International Centre for Entrepreneurship and Technology, Gujrat**

January 8-9, 2025

Mode: Hybrid

Venue: Shoolini University, Solan, Himachal Pradesh, India



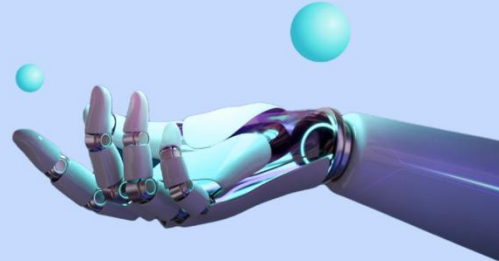
2025 International Conference on Applied Artificial Intelligence and Innovation (AAIIC)

11 - 12 July, 2025

Shoolini University of Biotechnology and Management Sciences

The wait is over - the conference has started

Organized by



About the Conference

The Yogananda School of AI, Computers, and Data Sciences at Shoolini University in Solan, Himachal Pradesh, India, is delighted to announce the International Conference on Applied Artificial Intelligence and Innovation (AAIIC), scheduled for July 2025. AAIIC 2025 is designed to foster global collaboration and knowledge-sharing in the fields of artificial intelligence, innovation, computer science, data science, and information technology. The conference aims to bring together researchers, industry experts, and students to exchange ideas and explore cutting-edge advancements in AI and its innovative applications across various domains. AAIIC 2025 will feature plenary talks by renowned speakers, engaging workshops, and technical sessions focused on diverse topics, including machine learning, AI-driven innovations, cybersecurity, and real-time computing. The overarching mission of AAIIC 2025 is to explore the transformative potential of AI technologies in addressing complex societal and industrial challenges, while promoting sustainable innovation and fostering interdisciplinary research. Join us in Solan to be a part of this global intellectual exchange and contribute to shaping the future of AI and innovation.

Conference Themes



AI-Driven Innovations in Education

The education sector is undergoing a profound transformation as AI technologies reshape the teaching-learning landscape. In the post-COVID era, AI-based tools are revolutionizing how students engage with content and educators deliver knowledge. This theme highlights how AI is enabling personalized learning experiences, automating repetitive tasks, and fostering innovative approaches to education. Research in this domain will pave the way for more effective, inclusive, and engaging educational solutions.



AI Transformations in Healthcare and Medicine

The healthcare industry is witnessing groundbreaking advancements through the integration of AI technologies. From AI-powered diagnostic tools to personalized treatment plans, the innovations in this sector are improving patient outcomes and enhancing the efficiency of medical systems. This theme focuses on exploring how AI is addressing global health challenges, transforming clinical decision-making, and advancing research in areas like genomics, drug discovery, and preventive care.



AI Solutions for Smart and Sustainable Agriculture

Agriculture is embracing AI to meet the growing demand for food while addressing sustainability challenges. This theme delves into how AI technologies like precision farming, crop monitoring, and automated irrigation are helping farmers optimize resources, reduce waste, and boost productivity. Discussions will also focus on AI's role in ensuring food security and mitigating the impacts of climate change on agriculture.



AI Applications for Business and Industry Innovation

Businesses and industries are leveraging AI to unlock new opportunities and optimize operations. From enhancing customer experiences to automating supply chains, AI is driving innovation across various sectors. This theme invites discussions on the latest advancements in AI applications that are transforming industries, fostering entrepreneurship, and creating smarter, more adaptive business solutions.



AI for Sustainable Development and Climate Action

AI is emerging as a powerful tool for promoting sustainable development and combating climate change. This theme focuses on how AI-driven solutions are addressing critical environmental challenges, such as resource conservation, renewable energy optimization, and disaster prediction. Research and applications in this domain aim to build a sustainable future by integrating AI with global sustainability goals.



AI Innovations in Cybersecurity and Digital Trust

As digital threats grow in complexity, AI is playing a pivotal role in safeguarding data and ensuring digital trust. This theme explores AI-driven solutions for detecting and mitigating cyberattacks, securing sensitive information, and fostering safe online environments. Attendees will gain insights into the latest advancements in AI-powered cybersecurity tools, ethical considerations, and strategies for building resilient systems in the digital age.

**Sample reports on Workshop/Seminar
on Environmental Sustainability**

September 28, 2024

Spreading Awareness through Sustainable Activities

On September 28, Shoolini University hosted a vibrant celebration for World Heart Day, incorporating stalls and a candle-making workshop to promote heart health and sustainability. The health stalls offered valuable resources, focusing on heart health education and preventive measures against heart diseases. These stalls will prioritize sustainability by utilizing biodegradable materials for printed materials and collaborating with local health professionals to minimize travel emissions, while also promoting digital information sharing to reduce paper waste. The highlight of the event will be a candle-making workshop, designed to provide participants with a creative and therapeutic outlet.

This hands-on activity will utilize eco-friendly materials, including natural wax such as soy or beeswax and recycled containers, emphasizing the importance of sustainable crafting. Participants will be encouraged to incorporate essential oils for fragrance, promoting natural alternatives over synthetic options. This workshop not only fosters creativity but also underscores the connection between mindfulness, stress relief, and heart health.

By engaging the university community in these activities, the event aims to raise awareness about cardiovascular health while reinforcing the importance of sustainable practices. Through these combined efforts, Shoolini University aspires to create an impactful and environmentally conscious event that inspires participants to adopt healthier lifestyles and sustainable habits, ultimately contributing to both personal well-being and the health of the planet.



Kritika teaching how to make candles



Kritika, Shivani and Housekeeping staff with some lovely messages were written on heart shaped papers



Candles and some messages to be shared along with them

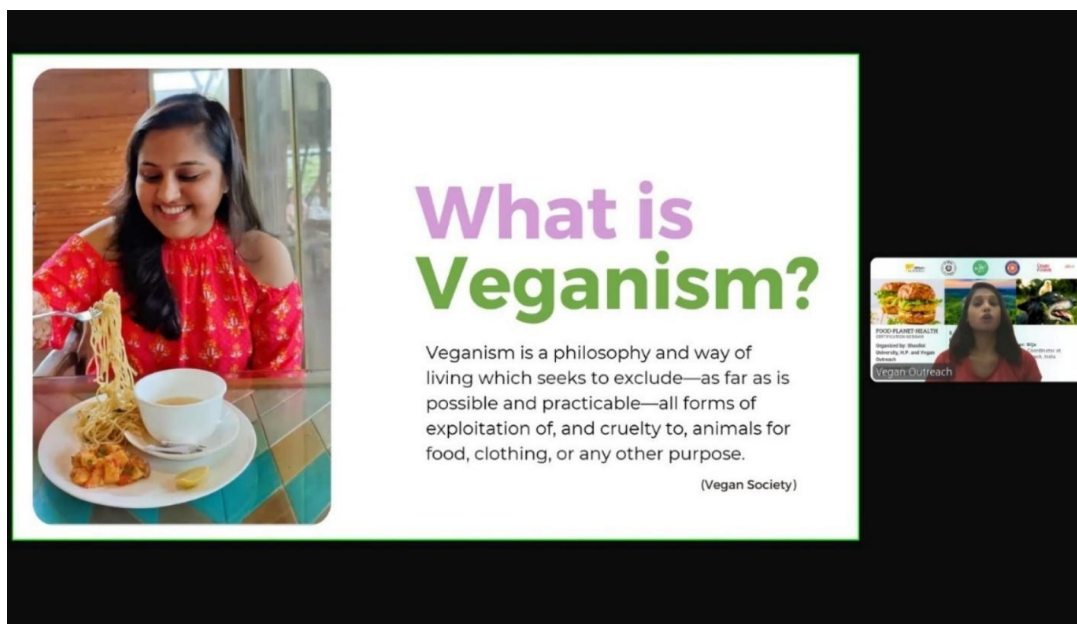
December 03, 2024

Sustainable Eating: Food-Planet-Health Webinar Insights

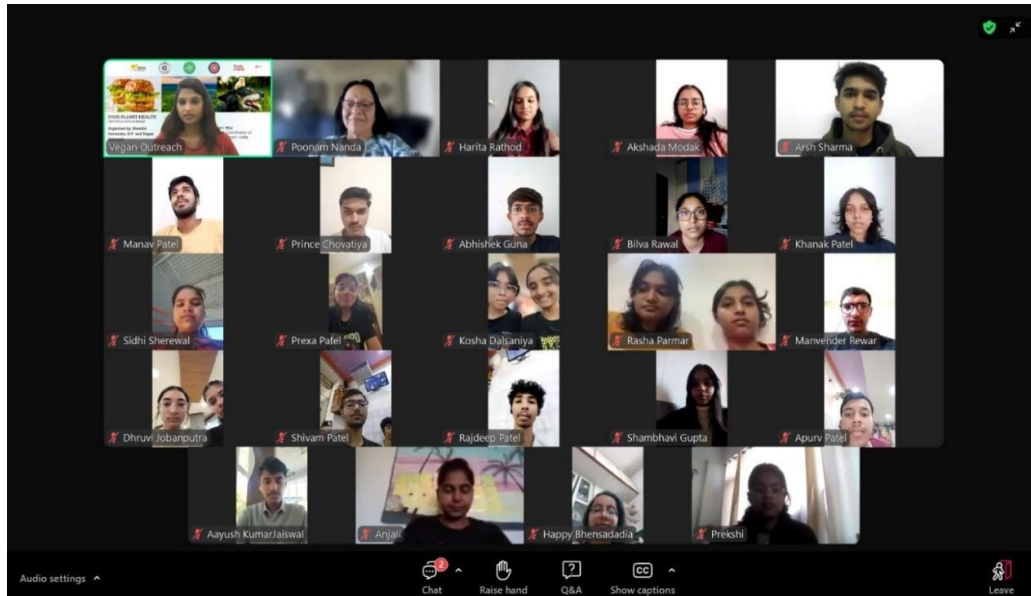
On December 3, 2024, Shoolini University, in collaboration with Vegan Outreach, hosted the "Food-Planet-Health Certification Webinar," aimed at promoting the importance of sustainable food choices for health, the planet, and animals. The webinar was led by Nija, the Outreach Coordinator at Vegan Outreach India, who shared valuable insights on how a plant-based diet can positively impact the environment, reduce carbon footprints, and enhance personal well-being. Through the webinar, participants learned how plant-based eating helps conserve resources, mitigate climate change, and reduce deforestation, offering a holistic approach to sustainability.

In addition to discussing the environmental benefits, the event also focused on practical ways to incorporate plant-based diets into daily life. Resources like the "10 Weeks to Vegan" program were introduced, helping participants take gradual steps toward a more sustainable lifestyle. The webinar's digital format helped minimize waste, aligning with the eco-friendly values of the event and reinforcing the importance of adopting sustainable practices.

The initiative showcased Shoolini University's ongoing commitment to sustainability and environmental responsibility, encouraging participants to consider the broader implications of their food choices. The webinar empowered attendees with the knowledge and resources needed to make more sustainable decisions, contributing to a healthier planet and a healthier life.



Nija talking about veganism



A screenshot of the attendees



Nija talking about factory farming

August 30, 2024

Seminar on the Vital Role of Wetlands in India's Ecosystem

The visit to Shimla by students from Shoolini University was centered around the theme "Wetlands for Life," highlighting the critical importance of wetlands in sustaining biodiversity and supporting life on Earth. This educational excursion aimed to deepen students' understanding of wetlands as dynamic ecosystems vital for numerous species' survival.

Throughout the event, students learned that wetlands are not merely passive landscapes; they serve as essential habitats for a rich variety of wildlife, including endangered flora and fauna. Wetlands act as nurseries for many aquatic species and sanctuaries for birds and other wildlife. The discussions emphasized the role of wetlands in conservation efforts and the need to protect these ecosystems to maintain the delicate balance of nature.

The event underscored several critical functions of wetlands, including their roles in supporting biodiversity, regulating climate, and controlling floods. Additionally, wetlands provide significant economic benefits to local communities, contributing to livelihoods through tourism, fishing, and agriculture. The students engaged in interactive sessions that showcased ongoing conservation efforts, reinforcing the message that protecting these valuable areas is crucial for a sustainable future.

Overall, the visit was a profound learning experience, inspiring students to advocate for the conservation of wetlands and promote awareness about their essential roles in ecological health and community well-being.



A photograph of the students



Students got photograph captured on Selfie Booth

Our Power, Our Planet: Shoolini's Earth Day 2025 – A Celebration of Innovation, Inclusion & Sustainability

SDG 4: Quality Education, SDG 7: Affordable and Clean Energy, SDG 11: Sustainable Cities and Communities, SDG 12: Responsible Consumption and Production & SDG 13: Climate Action

Date: 24th April 2025

Venue: Covered Parking, Shoolini University

On April 24th, 2025, Shoolini University came alive with the spirit of Earth Day through a vibrant, purpose-driven celebration that united sustainability, innovation, and artistic expression. At the heart of the event was the Inter-School Eco-Challenge, where nine schools competed passionately across four dynamic categories: Clean Energy Live Demo, Waste-to-Wonder DIY Challenge, Green Bazaar Exhibition, and Poster Making. Each school brought forward incredible creativity and collaboration—demonstrating working models of clean energy, repurposing waste into functional and beautiful products, setting up stalls that embodied the 3Rs (Reduce, Reuse, Recycle), and crafting thought-provoking posters under the theme “Our Power, Our Planet.” This spirited challenge ignited both friendly competition and a deeper commitment to environmental stewardship.

Adding vibrancy to the celebration were thoughtfully curated stalls showcasing sustainable entrepreneurship and creativity. Lilac Oculi featured handmade jewellery inspired by the four elements, while eco-friendly scented candles offered a calming touch. The Trikut stall stood out with its zero-waste, all-paper designs. Guests enjoyed naturally blended drinks, handmade eco-cards, North East delicacies, and indulgent treats like mango cheesecake and chocolate-dipped strawberries—a delightful blend of sustainability and sensory joy.

More than just a celebration, Earth Day 2025 at Shoolini University was a vibrant call to action, led by informed and passionate youth. The event showed how academic institutions can become living labs for sustainability by blending culture, science, and community. Contributions from all nine schools—from engineering to arts—highlighted that sustainability is a shared mission, not confined to one field. It laid the groundwork for long-term impact through zero-waste products, renewable materials, and ethical consumption.

Ultimately, Earth Day 2025 symbolized Shoolini University's vision of nurturing leaders who not only excel in their fields but also champion the planet. It reinforced the belief that small, consistent efforts—when rooted in education and community—can create ripples of change. As the echo of the day's activities fades, its message remains clear: a sustainable future starts with us—today, together.





Hands-on training and practical exposure to key environmental themes