



New and Innovative Technologies for Sustainability Education

19th September, 2024 at 16:30-17:30 Hrs

Venue: IHC, Stein Auditorium, New Delhi

Background

The advent of digital technologies and Artificial Intelligence (AI) has transformed various sectors globally, including education. These technologies offer unparalleled opportunities to revolutionize sustainability education. With the emphasis on "Greening Education for a Sustainable Future," it is crucial to explore how digital technologies can be harnessed to create more equitable, efficient, and environmentally sustainable educational frameworks.

Emerging technologies like AI, Virtual Reality (VR), and Augmented Reality (AR) have the potential to personalize learning experiences, making education more accessible and engaging. Digital tools can break down traditional educational barriers, offering tailored content and interactive learning platforms that cater to individual needs.

As we move towards a greener future, these technologies also play a pivotal role in promoting eco-friendly practices within educational systems. By reducing the carbon footprint of educational activities and encouraging sustainable development principles, digital technologies can significantly contribute to environmental sustainability. This session at the 6th International Conference on Sustainability Education (ICSE) 2024, aims to delve into these aspects, exploring practical strategies for leveraging technology to foster lifelong learning, enhance educational access for women, and support sustainable practices in education.

Objectives

- 1. Examine the Potential of AI and Digital Technologies:** Analyze how AI and digital technologies can personalize learning experiences and help overcome traditional educational barriers, thereby enhancing access and quality of education including integration of sustainability education to digitally supported education.
- 2. Integrate Practical Strategies:** Identify practical strategies for integrating AI and digital technologies into sustainable education systems to foster lifelong learning and prepare youth for future workforce opportunities.
- 3. Contribute to Greening Education:** Explore how these technologies can promote eco-friendly practices, reduce the carbon footprint of educational activities, and encourage the adoption of sustainable development principles.

Expected Outcomes

1. **Enhanced Awareness:** Increase awareness about the potential of AI and digital technologies in transforming sustainability education.
2. **Actionable Strategies:** Provide actionable strategies for educators and policymakers to incorporate digital technologies in sustainability education.
3. **Sustainability Initiatives:** Foster initiatives that leverage technology to promote eco-friendly educational practices and reduce the carbon footprint of educational activities.
4. **Networking and Collaboration:** Facilitate networking and collaboration among stakeholders to drive the adoption of sustainable and technology-integrated educational practices.

By focusing on these areas, the session aims to contribute significantly to the ongoing discourse on sustainability education and the role of technology in creating a more equitable and sustainable future.