

## 3rd International Conference on Sustainability Education DAY 1

Theme: Education for Ecosystem Restoration  
September 9, 2021 (Thursday)

Session 2: - IT Based Solutions for Education

By



Time - 15:30 - 16:30 hrs IST (GMT + 5:30)

### CONCEPT NOTE

#### Background

The global pandemic has led to a major global learning crisis in addition to a global health crisis. 82% of the world's learners are no longer in traditional schooling or education programs. On the path from disruption to recovery, the educators and educationists across the world have recommended online learning and education technology as a solution to reach learners remotely. While there are huge challenges due to limited digital infrastructure in education and a massive digital divide among the larger population, the realm of Edtech is constantly evolving to overcome these challenges.

A significant shift to online learning and education technology had begun in the last decade and the pandemic has accelerated the pace of this shift due to remote or distance learning being the only option left owing to school closures.

The other important aspect to consider is the affinity to technology that is evident among the new age learners. The educators along with learners are adapting to the new normal and innovating to use technology to design effective lessons and embed sustainability education into the school curriculum. The positive effects of IT based solutions for education are enhanced digital literacy, worldwide exposure and better access to digital resources and learning material, enhanced self-learning through immersive and interactive digital tools.

There needs to be greater emphasis on strengthening the digital infrastructure for education, building teacher capacity on leveraging digital tools for education. The NEP 2020 emphasizes

upon ensuring equitable use of technology in education which will unravel new horizons and opportunities. With DIKSHA and multiple other platforms the govt. has already established their intent and inclination towards IT Based solutions for education.

Keeping this in mind, annual sustainability education conference being organized by Mobius Foundation has laid focus of the discussion around the theme of ecosystem restoration and climate literacy. The **3rd International Conference on Sustainability Education (ICSE)** is planned to be organized on **9-10 September 2021**. As part of the conference, a breakaway working session is planned on **IT Based Solutions for Education** which is being facilitated by Worldwide Fund for Nature (WWF), in association with several partner institutions.

## About the Breakaway Working Session

A breakaway working session of one hour on **IT Based Solutions for Education** is planned on day 1 as part of the conference to discuss and review current status of IT based solutions in education that can be applied to embedding and integrating sustainability education into the school education. The session will also delve into highlighting various tools, digital platforms and programmes for sustainability education. The session is envisaged to be attended by Edutech experts, educators, practitioners, etc.

### The objectives of the session

- To discuss various IT based tools for education and initiatives by government and non govt. agencies for driving in technology in education.
- Discuss ways in which the above tools and initiatives can be of leveraged for climate and ecosystem literacy.
- To experience IT based pedagogies for an immersive, simulated, experience and action based approach to learning about environment and sustainability.
- To consolidate recommendations emerged through discussions.

## Tentative Schedule of the Breakaway Session

**Day 1 - 9 September 2021 - Thursday**

**Timings - Session 15.30 – 16.30 pm and Presentation of Recommendation 16.30-17.00**

**Theme: IT Based Solutions for Education**

Timings	Session	Speaker/Facilitator
15.40 – 15.45 pm	Welcome and overview of the session	WWF India
15.45 – 15.50 pm	Model Conference of Parties	An open source pan India digital conference that simulates CBD COP
15.50 – 16.10 pm	Panel Discussion on 'Challenges and Opportunities for	Mr. Pramod Sharma, FEE Ms. Anshul Kharbanda, NIOS Ms. Neha Raghav, WWF

	Sustainability education in the technology-based education.'	Moderated by Shriya Rai
16.10 – 16.25 pm	Technologies and tools in Education and its application for sustainability education	WWF, FEE & NIOS The approach taken by the 3 organization and experience sharing.
16.30 – 16.40	Open for Discussion and Key points conclusions emerged from discussion	Participants and Experts
16.40 – 17.00 pm	Presentation of Key Conclusions by	Breakaway Session Leader

The duration of the discussion is 90 minutes.

### Focus questions for panel discussion - 'Challenges and opportunities for Sustainability education'

1. How are organizations leveraging new-age online tools and technologies to promote climate literacy and sustainability education? (Opening statement from organizations discussing relevant initiatives)
2. What has been the competitive advantage of shifting education online and what are the opportunities educators can envisage from strengthening distance, digital, and self-learning interventions?
3. What are the specific challenges educators have encountered while offering sustainability education programs in terms of accessibility, pedagogical design, and learner engagement and what kind of support is required to strengthen the digital infrastructure and teacher capacity to educate about the environment and sustainability?
4. How can partner organizations increase the scale and scope of digital education programs by building collaborative opportunities to engage learners across the country? (closing remarks)

### Expected Outcome

Spreading awareness among students and educators about Edtech tools and programmes for sustainability education in schools.