DAY 2: Parallel Session

September 10, 2022 (Saturday); Time 14:00-15:30 hrs (GMT +5:30)

On

Digital Solutions to Sustainability Education

Venue: SCOPE Convention Centre, Amir Khusro Hall

The Sustainability Education is not confined to classrooms but is more engaging in natural and real-life environments. The digital interventions and the adoption of modern tools and technology have revolutionized the Sustainability Education by triggering substantial changes in education and approaches to teaching and learning. At the same time, it has also created plethora of opportunities for the educational technologies to foster the development of inclusive and sustainable society. The development of critical 21st century skills like creative thinking and problem solving requires innovative and collaborative learning mechanism to nurture specific learning across the boundaries of time and space. It requires capacity building of teachers and educators to harness these opportunities through imparting training and developing specific skill set.

The use of digital smart solutions has transformed the role of teachers and educational environment involved in Sustainability Education. Digital learning environment help to prioritize sustainability and environmental initiatives. With growing demands of environmental responsibility, safe digital solutions for abating environmental problems and creating sustainable society can make substantial contribution in meeting the sustainability goals. This is also in line with the National Education Policy 2020 which highlights inclusive and equitable quality education, holistic and multidisciplinary education, the promotion of lifelong learning opportunities and achieving sustainable development.

As the students at all levels expect to learn about the sustainable solutions, it is time for the educational institutions and Universities to provide these solutions that meet and encourage these expectations. It is very likely that the students choose an institute/ university based on its sustainability initiatives and green commitments. In the pressing environmental circumstances, the digital solutions will make the educators efficient and adaptable to create student centric learning experience in the classroom. With this notion, more and more education providers are learning about the digital solutions to sustainability education.

The session will bring in interdisciplinary research in the domain of sustainability education to discuss ideas, problems, challenges and solutions for changes in society, which are brought by technological innovations and digital solutions. In the session, the panelist will discuss about the importance of innovative teaching learning pedagogy in sustainability endeavors of educational institutions. The session will highlight that the open and distance education with its flexible,

customized, integrated, multidisciplinary curriculum and programs coupled with technological support services can play crucial role in imparting sustainability education.

Objectives

The objectives of the session are:

- To deliberate on the digital solutions to the varied sustainability issues.

- To explore the role of emerging technologies in education sector to transform the teaching learning process.

Expected Outcomes

- Exchange of ideas, and opportunities for digital solutions for sustainability.

- Motivate the educators to innovate the teaching learning pedagogy in order to nurture young minds in the area of sustainability.