

# Education for Sustainable Development: Implications for New Normal Higher Education Quality

## Course Overview

Education is a human right and a force for sustainable development and peace. Every goal in UNESCO's '2030 Agenda' (17 Sustainable Development Goals-SDGs) requires education to empower people with the knowledge, skills and values to live in dignity, build their lives and contribute to their societies. While governments hold the main responsibility for ensuring the right to quality education, the '2030 Agenda' is a universal and collective commitment. It requires political will, global and regional collaboration, and active engagement of educational institutions, civil society, youth, corporate/private sector, and other multilateral agencies to tackle educational challenges and build systems that are inclusive, equitable and relevant to all learners/stakeholders.

According to UNESCO, as of 16 April, 2020 School closures in many countries worldwide during the spread of COVID-19 have led to 1,575,270,054 learners being excluded from the normal learning process. Measures for preventing the expansion of COVID-19 in university campuses are adopted, and curricula are delivered through virtual campuses, the media or other digital environments. Many countries including India have announced various measures for preventing the expansion of COVID-19 in university/institute campuses. These include plans that enable the continuity of the curricula through virtual campuses, the media, or other digital platforms, as well as the rescheduling of academic calendars.

For university/higher education teachers, how to face the challenges of migrating offline instruction to online learning, and what kind of instructional strategies, learning resources, digital tools, and assessment methods could be used for flexible online learning, should be considered in this period of campus closures. As per the Govt. of India, Ministry of Education instructions (with campus closures) teachers in institute/university campuses should adopt multiple online learning platforms and tools to deliver education. In order to ensure the quality of education, this workshop would like to leverage technology to deliver flexible learning to transform higher education for ensuring the quality of learning in this critical moment.

For higher education teachers, who have to stay at home and deliver lectures via the Internet, which may cause some challenges for some teachers, especially for those who are not familiar with the needs of modern education and the methods of integrating technology into education? In fact, in some places, many universities are still adopting the old-fashioned model of delivering lectures for passive audiences, thus failing to harness to the educational possibilities,

affordances being afforded by emerging technologies. At this critical moment, it is an excellent opportunity for rethinking teaching and learning, and for leveraging technology to transform the old-fashioned teaching models for preparing students for the future.

## Course Objectives

Participants would be able to understand UNESCO's Sustainable Development agenda, and promoting higher education in a sustainable way for the long term.

1. They would be able to understand and explain SDG 4- 'Quality Education for All'
  - a) They would be able to analyse how to use Education for Sustainable Development (ESD) to achieve Global Citizenship (SDG- 4.7),
  - b) 21st Century competencies for global & decent jobs (SDG 4.4),
  - c) Global partnership in education /knowledge sharing (SDG17.16).
2. They would be able to relate 'Sustainable education' with Engineering subject/s, other SDGs and make effort for global partnerships and transforming pedagogy through new technology.

## Course Outline

### UNIT-1: Introduction to ESD

1. a) Introduction to UNESCO 17 Sustainable Development Goals (SDG)
  - b) SD Goal-4- Quality Education for all
  - c) Education for Sustainable Development (ESD)
  - d) ESD, Global Citizenship (SDG- 4.7) & Global Partnership (SDG17.16)

### UNIT-2: ESD & Sustainability

2. ESD for achieving SDG-4.4
  - a) Technical & vocational skills for employability
  - b) 21st Century competencies for global & decent jobs
  - c) Promoting good mental health & wellbeing

### UNIT-3: ESD & Sustainable Pedagogy

3. Sustainable education & New Normal Pedagogy
  - a) Lessons Planning of Flexible Learning during Campus closure
  - b) Choosing appropriate Delivery Methods for Flexible instruction
  - c) Preparing materials and tools for Learning and Teaching
  - d) Facilitating Flexible learning with diverse activities
  - e) Checking Learning Outcomes and evaluating accordingly

How to Apply:

Application will be made online using the following link

(<https://erp.iitkgp.ac.in/CEP/courses.htm>)



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