

ONLINE CERTIFICATE COURSE ON ENVIRONMENT AWARENESS



COURSE DETAILS

Course name: Certificate in Environment Education & Awareness (CEEA)

Course no: EEA-01-2023

Organization: Hindu College & Save the Environment (STE)

Course fee: Rs. 2,500/-

Class format: Online

Course duration: 6 weeks

Number of lectures: 12

Days of classes: Weekends (Saturdays & Sundays)

Class timing: 5-7 pm

Class duration: Approximately 1.5-2 hours (online).

A one-hour lecture by the teacher(s) followed by 15-20 mins of question/answer sessions and discussion with students/participants.

Language: English

Instructions to join the Course:

After reading the information carefully, please fill out the registration form. The link is given below.

<https://forms.gle/zWtsvat8Zq8jVwDz7>

The last date to receive the registration form is the **15th of June 2023, at 11:59 PM.**

The course will begin on the **1st of July 2023, at 5:00 PM.**

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*Steered by the Past,
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ONLINE CERTIFICATE COURSE ON ENVIRONMENT AWARENESS

ABOUT US

The Hindu College, University of Delhi, Environmental Studies, in collaboration with Save The Environment, a Kolkata-based NGO, actively engaged in building awareness of the environment, is conducting a beginner-level online course to introduce and build knowledge in learners about the basic concepts of the environment. It is in response to the UN's vision on environmental education and training for sustainable development, this course offers a holistic approach to transforming people's visions towards the environment in the present and future. After taking this course, learners are expected to become more sensitive and better aware of the issues and concerns about the environment.

COURSE AIMS AND OBJECTIVES

The beginner-level online course on environmental awareness focuses on introducing and building knowledge of students, participants, and learners on topics related to the environment, and sensitising them. The STE attempts to percolate environmental education and awareness among diverse communities from different socio-religious or socio-cultural backgrounds. The entry requirements for this course are designed such that it encourages students, researchers, and academicians from diverse disciplines such as science, arts, humanities, and language to participate in large numbers. In addition, realizing the pivotal role of women in building and spreading awareness of the environment, STE encourages women's participation from rural and urban backgrounds such as homemakers, and adults to take this course. The course considers environmental education as continuous lifelong learning (LLL) and extends its beneficiaries to senior citizens. The course shall also equip participants in recognizing the impacts of environmental degradation in their immediate surroundings, and globally, and enables them to find solutions or alternatives to fixing them. The participants will also get an opportunity to keep their questions and discuss things related to the environment with their tutors. In addition, the participants will get a better understanding through experiential learning. Our goal is to create a better, more educated, environmentally sensitive, and sustainable society. We believe that with our efforts we can build a safer, environmentally friendly, more peaceful, and mindful society in the present and for future generations.

COURSE STRUCTURE AND the CURRICULUM

The learners with no background in, or previous knowledge of environmental studies will be able to take this course. The course contains lecture sessions to build knowledge and understanding through conceptual thinking on the different dimensions of the environment, and an assessment, to test the learning and awareness levels of the participants. It is expected from the participants to attend these lecture sessions and take an online MCQ test plus one of the following activities (details are given below). The certificate shall be awarded to the students who will finish both tasks.

Lecture 1: Introduction to the course: Basic outline, format and structure of the course, course goals & objectives, expectations, and assessment.

Lecture 2: Global Environmental Challenges; Need for Environmental Education & Sensitisation.

Lecture 3: Sustainable Development: The concept, Sustainable development goals (SDGs), Sustainable household practices in daily routines; Ecotourism: addressing challenges and opportunities in the light of sustainable development.

Lecture 4: What is the environment? Define Ecology, Ecosystem, Ecological Succession and Biome; Nutrient cycles: Carbon cycle, nitrogen cycle, and water cycle.

Lecture 5: Forests of India; Define Biodiversity; Why is India a megadiverse nation? The different ecosystems of India: types, flora and fauna, and productive value.

Lecture 6: Threats to Biodiversity: Discussion on case studies related to illegal poaching and hunting, trafficking and trade, forest fires, infrastructure and construction, fragmentation, and deforestation; Biodiversity conservation strategies: maintaining parks, gardens, and biodiversity parks.

Lecture 7: Environmental pollution, effects, and causes: air pollution, water pollution, soil pollution, noise pollution. Industrial and agricultural pollution, biomagnification, eutrophication, marine pollution, and plastic pollution.

Lecture 8: Waste management practices: Waste segregation, composting, colour codes for different types of dustbins, plastic waste management and e-waste management; the concept of 5Rs; How to be a responsible consumer?

Lecture 9: Climate change, Greenhouse effect and Global Warming: Causes and impacts; Ozone layer depletion; Photochemical Smog; Environmental disasters. Carbon footprint and carbon offsetting.

Lecture 10: Conservation of the resources: Case studies on Project Tiger, Project Elephant, Project Rhino, Captive breeding, and release to the wild, such as Clouded Leopard, Red Panda, Dancing deer, Vultures, Cheetahs, Asiatic lions.

Lecture 11: Assessment: Exam and Activity

1. Test: An online multiple-choice questionnaire (MCQ)

And,

2. Activity, essay, or hands-on practice: Choose any ONE of the following.

A. A short essay, with a word limit of a maximum of 2000 words. The essay must be written in English, and in a format that can be communicated in a science journal or its proceedings. The details of the paper will be explained in the online lecture class before this assignment is handed to the students/participants.

Or,

B. An online presentation on any topic pertaining to the topics from the lecture (it could be presented by a group of 2-3 students or individually).

Or,

C. An activity: Perform any ONE of the following activities and record your observation by preparing a worksheet. The participants must follow and submit the worksheet for their evaluation. The topics are as follows:

- a. Identify different components of the Ecosystem and evaluate interactions between them in a nearby park, or a garden by preparing a worksheet. Or,
- b. Map the vegetation in residential areas/colonies by finding different local plant species. Record your observations on their numbers and analyse their effect on the greenbelt to curb air pollution by preparing a worksheet. Or,
- c. Prepare a video and record your observation by preparing a worksheet on waste segregation in the house and managing vegetable waste through composting.

Lecture 12: Valedictory session and course summarization. Release of e-certificates for successful candidates by STE

Instructions for taking an assessment:

Each student/participant must choose any ONE topic related to the environment out of the available options. The students can refer to the lectures and online papers/articles from authentic resources. Plagiarism or copying from any online/offline source is strongly discouraged. In such cases, the participants shall either not get a certificate or get a poor score.

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Language: English

Eligibility: Anyone who has cleared the senior, or X exam from any board (state & central). No formal knowledge of Environmental Science/ Environmental Studies is necessary. This certificate course is designed for beginners who are interested and enthusiastic about environmental issues impacting our life, livelihood, and planet. Any working professionals, homemakers, retired, and/or senior citizens are also encouraged to join the course.

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The online classes shall happen using google meet. The link for the classes will be emailed or shared in a WhatsApp group.

Team:

Course Directors:

Prof. Anju Srivastava
Principal
Hindu College

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Vice Principal
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Course facilitators:

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