

INDIVIDUAL COURSE DETAILS

A. Name of the Institute	Environment Protection Training and Research Institute (EPTRI), 91/4, Gachibowli, Hyderabad, Telangana
B. Name/title of the Course	Climate Change and Sustainable Development
C. Proposed Dates and Duration of the Course in weeks / months	From 24-01-2022 to 04-02-2022 In weeks: Two (2) Weeks
D. Eligibility Criteria for Participants <ol style="list-style-type: none"> 1. Educational Qualification 2. Work Experience 3. Age Limit 4. Target group (Level of participants and target ministry/department etc. may be identified) 	Applicants for this course must <ul style="list-style-type: none"> • Graduates from across the spectrum of disciplines • Teachers / Trainers and / or Administrators in Technical and Vocational Education • Junior to Senior Level Government officials, Professional and Academicians • Proficiency in spoken and written English
E. Aims & Objectives of the Course	Objectives: <ol style="list-style-type: none"> 1. Provides a broad and integrated knowledge on key issues in the climate change and sustainable development field 2. In-depth coverage of adaption and mitigation from theoretical and applied points of view 3. Explores how countries and societies can strive for long-term welfare, while enduring environmental degradation and resource limitations. 4. Brings together insights and perspectives from science, energy, economics, innovation, policy, ethics and gender.
F. Details / Content of the Course (<i>please attach detailed Course Profile</i>)	Contents of the Course <ol style="list-style-type: none"> 1. Introduction to Science of Climate Change 2. Impacts on Biodiversity, Water and Agriculture 3. Climate Change Mitigation and Adaptation 4. Energy and Climate Policy 5. Sustainable Urban Systems 6. Economic Growth and Sustainable Development
G. Mode of Evaluation of Performance of the ITEC Participant	Online Quizzes; Open-ended Questions/Essays; Online Polls; End of Course Presentation
H. Name of the Department	Centre for Climate Change

Climate Change and Sustainable Development

COURSE PROFILE

Fundamental to sustainable development is building resilience to climate change and its variability. In the developing countries where the traditional routes to development are at odds with the need for a low carbon economy, climate change presents daunting challenges. A multi-disciplinary approach that integrates the biophysical, technological, socio-economic sciences and the humanities is required to successfully engage with the challenges of climate change. India is well positioned to engage with these issues because of its status as a developing country with good technology and infrastructure, juxtaposed with less developed communities.

This course provides interdisciplinary training in climate change and sustainable development.

Structure of the Programme

This course is structured into three modules. Course has a proper blend of lecture, demonstration and field studies in preexisting related courses (text or lecture-note based). Course explores the subject through resources, development, impact and management.

Module 1: Introduction to Climate Change and Sustainable Development – This provides a broad and integrated knowledge on key issues in the climate change and sustainable development field. This covers topics such as sustainable development; the climate system, anthropogenic forcing and climate system response; climate variability and change; international climate change legal frameworks; the economics of climate change and climate change financing; and climate-compatible development;

Module 2: Climate Change Adaptation and Mitigation – Provides an in-depth understanding of adaption and mitigation from the theoretical and applied points of view.

Module 2: Specific thematic topics:

- a. Vulnerability, Mitigation and Adaptation to Climate Change – A Developing Country's perspective
- b. Impacts of Climate Change on Biodiversity, Water and Agriculture
- c. Energy and Climate Policy, Policy Instruments and International Legal Framework
- d. Sustainable Urban Systems
- e. Sustainable Development Goals

Project Work

In any one of the above areas.