COURSE DETAILS

A. Name of the Institute	**Environment Protection Training and Research Institute (EPTRI), Hyderabad, Telangana**
B. Name/title of the Course	**Climate Change and Sustainable Development (CCSD)**
C. Proposed Dates and Duration of the Course in weeks / months	From **12-08-2026 to 25-08-2026** In weeks: Two (2) Weeks
D. Eligibility Criteria for Participants 1. Educational Qualification 2. Work Experience 3. Age Limit 4. Target group	**Applicants for this course must** • Graduates from across the spectrum of disciplines, Teachers / Trainers and / or Administrators in Technical and Vocational Education • Have a minimum of 2-year experience in teaching / training / administration; proficiency in spoken and written English • 25-45 years • Junior to Senior level Government officials, Academicians, NGO's, undergraduate, graduate & research scholars working on Climate Change & Sustainable Development issues.
E. Aims & Objectives of the Course	**Aims:** Fundamental to sustainable development is building resilience to climate change. In developing countries, the traditional roots to development are at odds with the need for a low carbon economy, climate change presents daunting challenges. This course uses a multidisciplinary approach to discuss the challenges of climate change while contributing to building analytical capacities of development professionals to address mitigation and adaptation issues. **Objectives:** • Provides a broad and integrated knowledge on key issues in the climate change and sustainable development field • In-depth coverage of adaption and mitigation from theoretical and applied points of view • Define the key reasons behind the convergence

	between the post-Millennium Development Goals (MDG's) and the Sustainable Development Goals (SDG's). • Explain the difference between the MDG's and the 2030 Agenda in terms of ambition, structure, scope and approach • Identify the main challenges in each SDG area as well as the key linkages between different goals. • Analyze possible options in terms of financing and means of implementation for the SDG's and the changing nature of Global Partnership for Sustainable Development. • Identify the importance of review and follow-up for the implementation of the SDG's.
F. Details / Content of the Course	Course content overleaf
G. Mode of Evaluation of Performance of the ITEC Participant	• Individual and group work to evaluate the understanding of the issues under discussion and retain the acquired knowledge. • Mock exercises, Role play, Case studies, Individual presentations and other tasks will be proposed to the participants.
H. Name of the Department	Centre for Climate Change, EPTRI

Climate Change and Sustainable Development
COURSE PROFILE

Rationale of the Course:

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.

Objectives of the Course:

The broad objective of the course is to Engage communities, civil society, and the private sector in climate action planning and implementation, Align Nation Strategies and Develop policies, laws, and regulations that support climate action, such as carbon pricing, emission standards, and renewable energy mandates. The specific objectives of the study are the following:

- Provides a broad and integrated knowledge on key issues in the climate change and sustainable development field
- In-depth coverage of adaption and mitigation from theoretical and applied points of view
- Define the key reasons behind the convergence between the post-Millennium Development Goals (MDG's) and the Sustainable Development Goals (SDG's).
- Explain the difference between the MDG's and the 2030 Agenda in terms of ambition, structure, scope and approach
- Identify the main challenges in each SDG area as well as the key linkages between different goals.
- Analyze possible options in terms of financing and means of implementation for the SDG's and the changing nature of Global Partnership for Sustainable Development.
- Identify the importance of review and follow-up for the implementation of the SDG's.

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 3: The Sustainable Development Goals (SDG's) Synergies AND Policy Integration

Assist the participants to understand the rationale behind the seventeen (17) goals and one hundred and sixty- nine (169) targets, individually and as a set.

Module 4: Climate Adaptation, Mitigation and Policy Interventions

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. Policy Interventions

Module 5: Design Thinking for Strategy and Innovation

- Includes discussions around some of the most contemporary concepts in the field of innovation and aims at assuring that participants are well-versed with latest tools and techniques that can be used to solve a large variety of challenging problems.

Project Work: In any one of the above areas.