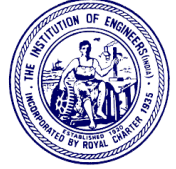




Engineering Staff College of India

Autonomous Organ of The Institution of Engineers (India)
Old Bombay Road, Gachi Bowli, Hyderabad – 500 032. Telangana, India



Centre for Climate Change Division

Continuing Professional Development Programme **Critical Evaluation for Sustainable Energy Solutions**

28 - 30 October 2026

Interactive Sessions | Digital Learning | Assessments | 24/7 Experts Online/Offline Support

Introduction

The three-day Continuing Professional Development Programme on “Critical Evaluation for Sustainable Energy Solutions” is designed to strengthen the capacity of professionals to critically assess emerging and existing energy technologies from technical, economic, environmental, and social perspectives. With the growing demand for clean energy, energy efficiency, decarbonization, and climate-resilient infrastructure, informed evaluation of sustainable energy solutions is essential for effective planning and decision-making. The programme will provide participants with practical knowledge of renewable energy technologies, energy storage, energy efficiency, techno-economic assessment, environmental impacts, and policy considerations, supported by case studies and real-world applications.

Objectives

The programme aims to:

- ❖ Develop an understanding of sustainable and low-carbon energy systems.
- ❖ Familiarise participants with emerging renewable energy technologies and applications.
- ❖ Enable critical evaluation of energy solutions based on technical, economic, environmental, and social criteria.
- ❖ Understand energy efficiency, conservation, storage, and grid-integration strategies.
- ❖ Introduce techno-economic and life-cycle assessment approaches for energy projects.
- ❖ Examine the role of sustainable energy in climate-change mitigation and adaptation.
- ❖ Enhance decision-making skills for selecting appropriate energy solutions for different applications.
- ❖ Discuss policy, regulatory, financing, and implementation challenges associated with clean energy transitions.

Course Coverage

This training program will broadly cover the following key areas:

- Sustainable Energy Systems and Energy Transition
- Renewable Energy Technologies – Solar, Wind, Biomass, Small Hydro and Emerging Technologies
- Energy Efficiency and Demand-Side Management
- Energy Storage Technologies and Grid Integration
- Green Hydrogen and Emerging Clean Energy Technologies
- Techno-Economic Evaluation of Sustainable Energy Solutions
- Life-Cycle Assessment and Environmental Impact Evaluation
- Carbon Footprint, Decarbonisation and Climate Considerations
- Critical Evaluation and Comparative Assessment of Energy Alternatives
- Energy Policy, Regulations, Financing and Implementation Challenges
- Case Studies, Best Practices and Practical Applications
- Future Trends and Opportunities in Sustainable Energy

(An ISO 9001:2015 Certified, AICTE & CEA Recognized Institution)

Centre for Promotion of Professional Excellence

Methodology

Methodology of the programme includes classroom Sessions with Lectures/discussions, with audio visual aid; bench - marked video shows, Chalk & Talk sessions, group discussions, case studies, debates, sharing of experiences, etc. All the sessions will be interactive, demanding active participation from all the participants.

Target Participants

The programme is targeted at engineers, government officials, energy professionals, urban planners, consultants, industry representatives, academicians, researchers, and project managers involved in energy, infrastructure, sustainability, climate action, and environmental management. It is particularly relevant to professionals engaged in renewable energy, energy efficiency, decarbonization, energy planning, and sustainable infrastructure development.

Programme Dates, Timings & Code

Dates: 28 - 30 October 2026, **Timings:** 10 AM Onwards. & **Code:** 8077

Course Director

Dr. K. Chandrakala Sr. Faculty, Centre for Climate Change **Dr. Aadhi Naresh**, Faculty, CCC
Engineering Staff College of India,
Phone: Direct 040 6630 4164/4137, Fax: 040 - 6630 4163,
Mob: 94948 72533 Email: ccc@escihyd.org

Faculty/Speaker Details

Apart from the core internal faculty, experienced professionals/faculties/sector experts will be delivering the lively lecture with practical knowledge & case study.

Course Fee

- **Course Fee (Residential): – Rs. 18,500/-** (Rupees Eighteen Thousand Five Hundred only) per participant. Fee includes course material, course kit, twin-sharing/single AC accommodation as per availability, breakfast, lunch, dinner, tea / coffee and snacks during the actual days of training programme. ESCI provides complimentary accommodation and boarding to the participants one day before commencement (Check-in 1200 h) and one day after conclusion (Check-out 1200 h) of the programme duration. Overstay charges will be applicable as per ESCI rules (subject to availability of accommodation)
- **Non-Residential Fee: 10% discount** on course fee is allowed for non-residential participants
- **Group Incentive: 10% discount** for five or more participants, if sponsored by the same Organization

GST @18% is to be paid extra over and above the training fee. **PAN Card No.** AAATT3439Q. **GST No:**36AAATT3439Q1ZV, **HS No.:** 999293 (under commercial training or coaching services – clause 65(105) (ZZC) of Finance act – 1994).

Programme fee is to be paid in in favour of “**THE INSTITUTION OF ENGINEERS (INDIA) – ENGINEERING STAFF COLLEGE OF INDIA**” in the form of demand draft payable at Hyderabad. Alternatively, the payment may be made by **Electronic Fund Transfer (EFT)** to ESCI – **SB A/c No. 10007111201 with The SBI, PBB, Rajbhavan Road Branch, Khairatabad, Hyderabad-500004 by NEFT/ RTGS. IFSC Code No. SBIN 0004159 – MICR No.500002075. PAN Card No AAATT3439Q; GSTIN No. 36AAATT3439Q1ZV.** While using EFT method of payment, please ensure to communicate us your company name, Contact details, our invoice reference and programme title.

Registration

Online registration shall be available on ESCI web portal: www.escihyd.org

To register manually please send your nominations giving details of name, designation, contact address, email address, mobile no, telephone and fax number of the participant along with the details of mode of payment of fee, addressed to: Course Directors.

Each participant will receive a Certificate of Participation upon program completion.