



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

The Decarbonization Roadmap: Implementing a Data-Driven Framework for Net-Zero Campus Operations

15 - 17 July 2026

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

Introduction

Educational institutions, corporate campuses, research centers, healthcare facilities, and government establishments are increasingly committing to net-zero carbon targets as part of global climate action efforts. Campuses function as miniature cities, consuming significant amounts of energy, water, transportation resources, and materials while generating greenhouse gas (GHG) emissions. Achieving net-zero campus operations requires a systematic and data-driven approach that integrates carbon accounting, energy efficiency, renewable energy adoption, sustainable mobility, green infrastructure, resource optimization, and continuous performance monitoring.

This three-day training programme provides participants with practical knowledge and tools to develop and implement a comprehensive decarbonization roadmap for campus environments. The programme emphasizes the use of data analytics, digital technologies, sustainability metrics, and evidence-based decision-making to achieve measurable carbon reductions and support long-term sustainability goals.

Objectives

The programme aims to:

- ✚ Understand the concept of net-zero campus operations and carbon neutrality.
- ✚ Establish methodologies for carbon footprint assessment and GHG accounting.
- ✚ Develop data-driven strategies for reducing energy consumption and emissions.
- ✚ Explore renewable energy integration and sustainable infrastructure solutions.
- ✚ Implement monitoring, reporting, and verification (MRV) systems for decarbonization.
- ✚ Design a roadmap for achieving short-term and long-term net-zero targets.
- ✚ Promote sustainable behavior and stakeholder engagement across campus communities.

Course Coverage

This training program will broadly cover the following key areas:

Understanding Carbon Footprint and Baseline Assessment: Climate Change and Net-Zero Imperatives, Carbon Accounting and GHG Inventories, Campus Energy and Resource Assessment, Establishing the Baseline.

Decarbonization Strategies and Technology Solutions: Energy Efficiency and Demand Management, Renewable Energy Integration, Sustainable Infrastructure and Circular Economy, Sustainable Mobility and Transportation.

Data-Driven Monitoring and Roadmap Development: Digital Technologies for Decarbonization, Monitoring, Reporting, and Verification (MRV), Financing Net-Zero Transitions, Developing the Net-Zero Campus Roadmap,

(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 intended for campus administrators, facility managers, engineers, sustainability and ESG professionals, urban planners, infrastructure managers, energy auditors, consultants, academic researchers, faculty members, government officials, policymakers, and corporate sustainability teams involved in energy management, carbon reduction, and net-zero sustainability initiatives.

Programme Dates, Timings & Code

Dates: 15 - 17 July 2026, Timings: 10 AM Onwards. & Code: 8061

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,
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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.