



“Integrated Energy Management in Building Systems”

A Self-Paced eLearning Program

Designed and Conducted by

Dr. Ambedkar Institute of Productivity, Chennai

NATIONAL PRODUCTIVITY COUNCIL

(Under DPIIT, Ministry of Commerce and Industry, Govt. of India)

e-Learning Course Title : Integrated Energy Management in Building Systems

e-Learning Course Type (Free or Paid) : Paid

If Paid, Registration Fee (including GST) : INR 2000 /- (inclusive of GST)

Course conducted by Group/ Regional Directorate Name : AIP-NPC, Chennai

Name & Designation of Course Coordinator : P. Chitra, Deputy Director

Course Coordinator Contact Details : p.chitra@npcindia.gov.in

e-Learning Program Start Date: 19th March 2021

e-Learning Duration: Ten days

About e-Learning Program (Brief one para):

Commercial buildings are the third largest consumers of energy, after industry and agriculture in India. Buildings annually consume about 30 – 40% of electricity consumption in India. Out of the total electricity consumed in the building sector, around 75% is used in residential buildings. The major reason is attributed to the increased use of air conditioning units, lighting and other electrical needs. The potential for energy savings exists at 40 – 50%, if energy efficiency measures are incorporated at the design stage and 20 – 25% in existing buildings, if best O&M practices and retrofitting measures are implemented. This e-learning course will focus various energy efficiency aspects majorly on HVAC, Lighting and other requirements that are essential in building systems.

Who should attend this course??

- Energy auditors and managers
- Building energy consultants / engineers / managers
- Academicians / Scholars from University / Colleges / R & D Institutions
- Manufacturers, Suppliers & Distributors
- Project Developers
- Government Organization

- NGOs & Green Engineers
- Architects and Technocrats
- Any other aspirants who are interested to attend

E Learning Course Coverage (Specify Module details) :

The e-learning program consists of 4 Modules as follows.

- Module 1: Introduction to Building Systems
Module 2: Energy Efficiency in Building Energy HVAC System with case studies
Module 3: Energy Efficiency in Building Energy Lighting System with case studies
Module 4: Energy Conservation Building Code (ECBC) Compliance

Register to learn (Key Learnings' in bullet points):

Learning Objectives

- Understand energy efficient building energy systems and various technical options to improve overall building energy efficiency.
- Learn how to conduct energy auditing in building energy systems
- Identify key measurement parameters and learn the process of analyzing the collected data
- Learn about the performance evaluation and assessment of the energy systems and the requirements essential for the building systems
- Learn to identify the tangible energy conservation measures for incorporating the best energy management & O&M practices & retrofitting measures

Register in advance for this e-Learning program:

Registration Start Date: 08.02.2021

Registration End Date: 18.03.2021

Thanks & Regards,
P. Chitra,
Deputy Director,
For Head,
AIP-NPC, Chennai.