

Department of Energy Management

CERTIFICATE COURSE ON ENERGY MANAGEMENT & AUDIT

(SEVENTEENTH BATCH, JULY-SEPTEMBER 2023)

About the programme

IISWBM has scheduled to start 17th Batch of 'Certificate Course on Energy Management and Audit' (formally known as Short Term Course on Energy Management and Audit) on 21st June 2023. This premium training program is recognized across industry for providing energy professionals a holistic "bigpicture" view of energy management and audit. Over eight weeks, attendees learn everything they need to know to optimize systems to help reduce costs, improve profits, and increase energy efficiency through energy audit and contribute towards climate change.

What you will learn?

- Learn energy management from a global perspective, with understand applicable codes, standards, and policies for your region or country.
- Learn how systems and energy-saving technologies can be used throughout a building, such as HVAC, lighting, motors, boilers, energy storage, CHP, etc.
- Learn how energy management strategies and practices, such as energy audits, or M&V, can help identify energy savings and reduce costs.
- Understand the economic aspects of energy management that you need to know for procurement, supply, and project financing.

Key takeaways

- Work through practical examples to demonstrate the topics and procedures covered.
- Review the various areas of the Body of Knowledge associated with BEE's CEA/CEM certification exam.
- Discuss one-on-one with an instructor how to apply what you have learnt to your business and applications to improve profitability.
- Leave with a Certificate and notes from various instructors that will become an invaluable desk reference.

At a glance

PROGRAM INTENDED FOR:

WORKING EXECUTIVES
(BE/BTECH/ME/MTECH/POST
GRADUATE IN SCIENCE OR
MANAGEMENT/DIPLOMA
ENGINEERS OR EQUIVALENT) TO
BUILD CAPACITY IN ENERGY
MANAGEMENT OR TO BECOME
CERTIFIED ENERGY
MANAGER/AUDITOR (CEM/CEA)

COURSE DURATION

8 WEEKS

(80 CONTACT HOURS , INCLUDING
ONLINE CLASSES, QUESTION-ANSWER
SESSIONS AND MOCK TESTS)

DATE OF COMMENCEMENT:

21ST JULY 2023

MODE OF STUDY: **ONLINE**

CLASS TIMING:

WEDNESDAY (7-9PM), FRIDAY
(7-9PM), SATURDAY (11-1PM, 2-
4PM, 4-6PM) [ONLINE]

COURSE FEES:

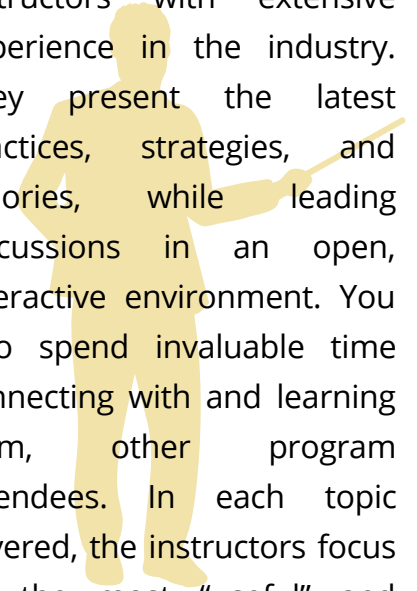
40,000/- + 18 % GST PER DELEGATE,
FOR INDIVIDUAL & INDUSTRY
SPONSORED (INCLUDING STUDY
MATERIALS, MOCK TEST, ONLINE
CLASSES AND QUESTION ANSWER
SESSIONS)

Course Outline

- (a) General Aspects of Energy Management & Energy Audit:
- Energy Scenario
 - Basics of Energy & its various forms
 - Energy Management & Audit
 - Renewable Sources & Targeting
 - Material & Energy Balance
 - Global Environment Concern & Carbon Trading
 - ISO 50001
- (b) Energy Efficiency in Thermal Utilities:
- Fuels & Combustion
 - Boilers, Steam System
 - Furnaces
 - Insulation & Refractory
- (c) Efficiency in Electrical Utilities:
- Electrical System
 - Electric Motors
 - Compressed Air System
 - HVAC & Refrigeration System
 - Energy Efficiency Technologies in Electrical Systems
- (d) Energy Performance Assessment for Equipment & Utility Systems:
- Boilers
 - Heat Exchangers etc
 - Energy Action Planning
 - Financial Management
 - Project Management
 - Energy Monitoring
 - PAT
 - FBC Boilers
 - Cogeneration
 - Waste Heat Recovery
 - Pumps & Pumping Systems
 - Cooling Tower
 - Lighting System
 - Diesel Generating System
 - Fan & Blowers
 - Furnace

Our Instructors

The certificate program is taught by approved instructors with extensive experience in the industry. They present the latest practices, strategies, and theories, while leading discussions in an open, interactive environment. You also spend invaluable time connecting with and learning from, other program attendees. In each topic covered, the instructors focus on the most "useful" and "proven" activities that an energy manager should pursue to improve profits.



Registration

Updates on Course schedules, eligibility, fees, contact for details and registration information are available at:

<http://www.iiswbm.edu>

Before submitting fees, you are advised to check your eligibility by submitting the filled up application form available at following link for enrolment:

<https://forms.gle/jhA12mKhDrNFLvaj6>

Submission of Application

For enrolment apply through link given below or email your credentials to piyali.sengupta@iiswbm.edu within stipulated date with Name(s), Qualifications & Experience (enclose supporting document), Address for Communications (with mobile number and Email), and other information as per Application Format with PP size Photo, and proof of online payment made by the stipulated date. Please note the Bank details for NEFT/RTGS Transfer: Beneficiary: IISWBM, Name of Bank: State Bank of India, Surya Sen Street Branch, Kolkata, ACCOUNT NO.:10252384198, IFS Code: SBIN 0003496; SWIFT Code: SBININBB492, MICR Code: 700002099 and PAN : AAATI3215M, IISWBM'S GSTIN # 19AAAT13215M2ZJ and accounting head 9992 for 18 % GST. **Last date of fees submission: 16th July 2023**



Click here to apply



Joint Coordinator: : Dr. Binoy K Choudhury

Course Coordinator: Prof. Piyali Sengupta

Send your queries to Course Coordinator:

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