



THAPAR INSTITUTE
OF ENGINEERING & TECHNOLOGY
(Deemed to be University)



Confederation of Indian Industry
125 Years - Since 1895

**Get Ready to Become Energy and Climate
Action Professional & Enhance Your Career
Prospects with**

**ONLINE POST GRADUATE
PROFESSIONAL DEVELOPMENT
PROGRAM IN
ENERGY MANAGEMENT
AND CLIMATE ACTION
(Nov 2020 – June 2021)**

**ADMISSION
OPEN
2020**

(An Industry Oriented Online Continuing Education Program under Collaboration of Confederation of Indian Industry, CII- Centre of Excellence for Competitiveness and School of Energy & Environment, Thapar Institute of Engineering and Technology - Deemed to be University, Patiala, Punjab)

Online Professional Development Program initiated by CII & Thapar Institute (Deemed to be University)

**School of Energy and Environment-
Thapar Institute of Engineering and
Technology, Deemed to be University,** sponsored by the Department of Science and Technology (DST), Government of India under the FIST Program, is a multidisciplinary school that focuses on teaching, research, and outreach activities in the domain of energy & environment.

The Confederation of Indian Industry (CII) works to create and sustain an environment conducive to the development of India, partnering industry, Government and civil society, through advisory and consultative processes. For 125 years, CII has been working on shaping India's development journey and, this year, more than ever before, it will continue to proactively transform Indian industry's engagement in national development. With 68 offices, including 10 Centres of Excellence, in India, and 9 overseas offices in Australia, China, Egypt, Germany, Indonesia, Singapore, UAE, UK, and USA, as well as institutional partnerships with 394 counterpart organizations in 133 countries, CII serves as a reference point for Indian industry and the international business



**29th in NIRF
2019**



**Ranked 261-270 in
QS Asia University**



**Ranked 156 in THE
Asia University**

Competitive Solutions: Working in tandem with Government, Industry and organizations, CII takes forward a robust agenda to catalyse excellence, innovation, employability, entrepreneurship, and productivity across sectors.

CII - Centre of Excellence for Competitiveness, Chandigarh, drives competitiveness in key domains including energy efficiency, corrosion management and manufacturing excellence

Last Date to Apply: 20 October 2020

Background:

Energy Management and Climate action are two pillars of sustainable and competitive economy. Effective energy management and climate actions are the essential tools in helping to reduce carbon emissions, improve efficiency and cost savings.

Business & Job Prospects in Energy Management: As per the Bureau of Energy Efficiency's UNNATEE Report, The energy saving investment potential of the country is estimated to be 840,852 INR Cr. by the year 2031 under the moderate savings scenario, with the industrial sector constituting highest energy saving investment potential of 307137 INR Cr. This offers a great opportunity to drive business in energy efficiency, technology and services and also would offer lucrative job prospects in order to drive this business potential.

On the other side Climate Action is a must for all: There is no country that is not experiencing the drastic effects of climate change. Greenhouse gas emissions are more than 50 percent higher than in 1990. Global warming is causing long-lasting changes to our climate system, which threatens irreversible consequences as per the UN study, it is expected to mobilize around US\$100 billion annually by 2020 to address the needs of developing countries to both adapt to climate change and invest in low-carbon development.

To achieve the energy efficiency potential targets as well as climate action goals, it becomes necessary to structure a robust implementation strategy that paves the way for energy security and sufficiency. In order to scale up efforts on energy & climate action, it is also proposed to have Mandatory energy management cell with qualified and competent professionals in Industry. This would call for need of competent and qualified professionals in energy management & climate action.

With the objective of competence development and enhancing job prospects in energy management and climate action and to create world class leaders into the domain, CII jointly with School of Energy and Environment (DST FIST Sponsored), Thapar Institute of Engineering and Technology (Deemed to be University), Patiala, Punjab have designed the online "Post Graduate Professional Development Program in Energy Management and Climate Action". The course aims at creating world class leaders in Energy and Climate Action Domain by facilitating industry oriented online continuing education program for working professionals, recent graduates and for those who wish to build their career in energy management and climate action field.

Program Highlights	Career Prospects
<ul style="list-style-type: none">✓ Program to be run jointly by Energy Management Cell, CII and School of Energy & Environment, TIET✓ Industry Oriented Advanced Program for Working Professionals helping in career growth and better job prospects✓ Learning and Mentorship from Eminent Experts in Energy and Climate Action Domain✓ Exposure to Industrial Best Practices and Case Studies✓ Supplement for preparation of BEE Energy Auditor/Manager Certification Exam✓ Highly interactive virtual classrooms	<ul style="list-style-type: none">✓ Opportunity to pursue and upgrade career as Energy/ Climate Action Manager✓ Highly Job Oriented Course for Engineering Graduates to pursue career as Energy Engineer/Energy Analyst/ Energy Strategist/ Energy Auditor in India & abroad✓ Wide future prospects for Academics and R & D✓ Professionals to Build Proficiency in Energy and Climate Sector✓ Opportunities for Entrepreneurs to learn and start-up in emerging field of energy efficiency and Climate action

Who Should Join?	
<ul style="list-style-type: none"> ✓ Working professionals from PSUs/Industry/ Consulting Firms etc ✓ Practicing energy, environment and climate professionals ✓ Production/Maintenance/Design/Project /EHS/Quality Engineers/Managers/Green building professionals ✓ Recent Engineering Graduates/Post Graduates in Science Streams ✓ Academic Professionals from Higher Educational Institutes 	<p>Mode of Conduct: The program will be conducted in online mode through virtual classrooms.</p> <p>Program Duration: The program will be of two semesters (November 2020- June 2021). Program will commence from third week of November.</p> <p>Eligibility: Graduation in engineering/ architecture stream or Post-graduation in Science Stream.</p>

<p>Program Structure: The program structure will comprise of virtual classroom, assignments and Project work (to conducted in evening/weekend – 3 days a week). Recordings of all the lectures/classes would be available for the reference. Course would mainly focus on practical case studies, analysis of energy & climate action initiatives, practical project work and assignment based on actual energy consumption profile of industry, energy audits etc. focus of the course would be to develop understanding of energy management and climate action initiatives at global level, country level, industry level and as professionals with an aim to create leadership. Every subject would have experts lectures from globally renowned experts, professionals including CEOs, MDs, Heads of various business segments.</p> <p>The following subjects will be covered in-depth in 2 semesters (November 2020 – June 2021)</p>	
<p>Semester I:</p> <ul style="list-style-type: none"> ✓ Overview of Energy Management & Climate Action ✓ Energy Audit, Assessment and Analysis in Electrical Systems ✓ Energy Audit, Assessment and Analysis in Thermal Systems ✓ Technical and financial Assessment of Energy Efficiency Initiatives 	<p>Semester II:</p> <ul style="list-style-type: none"> ✓ Design and Implementation of ISO 50001- Energy Management System ✓ Resource Efficiency, Renewable Energy and Climate Action ✓ Technology and Innovations in Energy Efficiency & Climate Action ✓ Lean & Green Manufacturing ✓ Industrial Project

Program Fee	Admission Process
<p>For Indian Participants : Rs. 30,000 + 18% GST For International Participants: US \$ 600 Program fee can be paid in three installments- 1st Installment during program registration (before 20 October 2020 : Rs 5,000 +18% GST/ US \$ 100 2nd Installment before Program Commencement (10 November 2020) : Rs 10,000 + 18% GST/ US \$ 200 3rd Installment before 2nd Semester (February 2021) : Rs 15,000 + 18% GST/ US \$ 300</p>	<p>The admissions to the program will be done on first come first serve basis. Participants can register for the program in online mode. Program fee can be paid through NEFT, IMPS, Debit/Credit card or Net-banking.</p>

Bank details for NEFT:	Online Registration Process:
<p>Bank: ICICI Bank Ltd, Address: Sector-28, Chandigarh, A/C Name: Confederation of Indian Industry, A/C No.096405000413, IFSC No. ICIC0000964</p> <p>Note: Corporate program package is also available for group nominations.</p> <p>Required Documents:</p> <p>Self-attested scanned copies of,</p> <ul style="list-style-type: none"> a) Aadhar Card/National Identify Card b) Graduation Degree/ Provisional Certificate c) High School Certificate/ Mark-sheet (for DOB Proof) d) Organization Identity Proof (For working Professionals) <p>Important Dates:</p> <p>Last Date for Registration: 20 October 2020 Program commencement: 20 November 2020</p>	<ol style="list-style-type: none"> 1. Open online registration link: http://cii.in/PrjOnlineRegistration.aspx?Event_ID=E000052284 2. Fill up the required details and proceed for payment. 3. Participants will be required to pay first installment of program fee during program registration. 4. After successfully completing the payment, participants will receive payment confirmation mail and program registration mail. 5. Participants will be required to mail the scanned self-attested copies of required documents to CII. 6. Participants will receive the enrollment no. after document submission and verification.

What Participants will get?

On successful completion of all the assignments and project work, participants will be awarded with the program certificate jointly by TIET and CII. Participants will also get exposure to emerging field of energy management and climate action. Participants will have a platform to identify new innovations as well as new opportunities in the field of energy management.

Program Benefits:

Learning from the program will upgrade existing industry professionals to an expert for the energy and climate action initiatives. For recent graduates this program will be highly beneficial to get in-depth knowledge on energy and climate Action domain and to start their career journey into energy or climate sector.

The program will also be beneficial for energy professionals aspiring for BEE Energy Auditor/ Energy Manager Certificate Examination. Participants will also get complementary registration in flagship events and conferences of CII like CII National Energy Efficiency Circle Competition, EETech Conference and other virtual training programs related to energy & climate action.

For more details, please contact:



CII

Centre of Excellence
for Competitiveness for SMEs



Confederation of Indian Industry
125 Years - Since 1895

Sanjay Namdeo

Program Coordinator
& Head Energy and Corrosion Services Vertical
E: sanjay.namdeo@cii.in | M: +91- 9915593898

Vivek Deshmukh

Energy Management Division
E: vivek.deshmukh@cii.in | M:+91-8982635350

Confederation of Indian Industry

CII- Centre of Excellence for Competitiveness for SMEs
Block No. 3, Dakshin Marg, Sector 31-A
Chandigarh 160030
W: www.cii-competitiveness.in/www.cii.in



THAPAR INSTITUTE
OF ENGINEERING & TECHNOLOGY
(Deemed to be University)

Dr. Amit Dhir

Program Coordinator
Associate Professor & Head
E-mail: amit.dhir@thapar.edu, hsee@thapar.edu
Mob. +91 91156-08831;

School of Energy and Environment

Thapar Institute of Engineering and Technology (A Deemed
to be University)
Thapar Technology Campus, Patiala - 147 004, INDIA,
W: www.see.thapar.edu; Tel. (Off): +91 (0) 175-239-3601,