

ATAL (AICTE Training And Learning) Academy **Sponsored 5 days**

FACULTY DEVELOPMENT PROGRAMME



Avenues for Energy Conservation in Thermal Power Plants 07th - 11th February 2022

Patrons: Dr. R. Velraj Vice-Chancellor Anna University, Chennai



Prof. Anil D. Sahasrabudhe Chairman AICTE, New Delhi



Dr. G. Ravikumar Registrar i/c Anna University, Chennai



Organized by



Co-Ordinator: Dr. M. Venkata Ramanan Professor and Director Institute for Energy Studies Anna University, Chennai



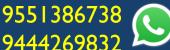
Organising Team: Mr.K.G.Maheswaran, M.Tech.(PhD) Mr.A.Shyam, M.E.(PhD) Institute for Energy Studies Anna University, Chennai

COMMUNIQUE

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Institute for Energy Studies

Anna University CEG Campus Guindy Chennai - 600025

About Anna University

College of Engineering, Guindy (CEG), being one of the premier institutions of higher education in India, takes pride in having produced engineers of the top caliber. A testimony to the green and lush institute's outstanding quality excellence is its consistent presence among the top positions in multiple rankings of engineering colleges pan India. Established in 1794, the iconic college has been nurturing exceptional talents in technology, business science, and engineering. Roots of CEG dates back to May 1794 when it was formed as a School of Survey. It was established as a college in 1859 and is India's oldest engineering and technical institution.

About IES

Anna University, one of the premier universities the country. established Centre for Renewable Sources of Energy (CNRSE), in 1984. Later it was rechristened as Institute for Energy Studies (IES) in the year 1999, considering the need for creating trained manpower for energy projects, ensuring energy security and environmental conservation. IES offers 2 PG Programs viz., M.E. (Energy Engg.) and M.E. (Solar Energy). Institute has state-of-the art facilities and serves as a hub for learning of higher standards and gaining hands-on experience in the fascinated field of energy engineering and solar energy.

Programme Objectives

- To create awareness about Energy **Audit**
- Inculcate consciousness the on environmental impact power generation
- Awareness on the energy losses encountered in different utilities of a typical Thermal Power Plant
- Stress on the need for "Energy Conservation" associated and benefits
- Best practices for lowering the heat rate of thermal power plants

Expert Lectures on

- Energy Audit Benefits and Prospects
- · Boilers Losses and its mitigation
- Steam Utilisation Energy conservation techniques
- **Electric Motors Avenues for Efficiency Improvement**
- Energy Efficient Pumps
- **Variable Frequency Drives**
- Energy conservation in HVAC systems
- Compressed Air Systems Energy **Efficient Practices**
- Experiences of Energy Audit at Neyveli **Lignite Corporation**
- Energy Efficient Illumination Systems
- Instruments used for Energy Audit
- Avenues for Energy Conservation in **Fans**
- Experiences of Energy Audit in **Thermal Power Plants**
- Health and Happiness

Targeted Audience

- Academicians
- Research scholars
- UG/PG students and
- Industry and Admin personnel

Resource Persons From























Registration

- Number of participants is limited to 200
- Registration through ATAL Website
- No registration fee
- Conducted online
- MS Teams platform



ATAL (AICTE Training and Learning Academy) sponsored FIVE DAY ONLINE FDP on

"AVENUES FOR ENERGY CONSERVATION IN THERMAL POWER PLANTS"

(07-02-2022 TO 11-02-2022)



INSTITUTE FOR ENERGY STUDIES, CEG CAMPUS,

ANNA UNIVERSITY, CHENNAI - 600025

PROGRAMME SCHEDULE





Date	Session#1		Session#2		Session#3
Date	9:00 am to 11:00 am		11:30 am to 01:30 pm		2:30 pm to 4:30 pm
	Energy Audit		Boilers — Losses and its Mitigation		Steam Utilisation – Energy Conservation Techniques
07.02.2022	Dr. M. Venkata Ramanan		Dr. R. Sethumadhavan		Mr. J. Nagesh Kumar
(Monday)	Professor & Director, Institute for Energy Studies		Senior Director		Director
(5 5 7 7	Anna University, Chennai		GSH Energy Services Pvt Ltd, Chennai		CEEP, Chennai
	Efficiency Improvement in Electric Motors		Energy Efficient Pumps		Variable Frequency Drives
08.02.2022	Mr. J. Srinivasan		Mr. Srinivasa Rajkumar	~	Mr. Venkat Raj
(Tuesday)	Motor & Power Quality Specialist	eak	Regional Manager	39	Regional Manager-South
. , , , ,	Ace Enablers LLP, Chennai	ea Bre	Grundfos, Chennai	ch Bre	Danfoss Drives, Chennai
09.02.2022	Energy Conservation in HVAC Systems		Compressed Air Systems - Energy Efficient Practices		Experiences of Energy Audit at NLC
	Mr. T.R. Seshadri		Mr. N. Sivakumar		Mr. M.G. Morshad
(Wednesday)	HVAC Consulting Engineer	_	Deputy Manager	u,	Energy Manger – TPS#II
17	HVAC Enersave solutions, Chennai	•	ELGI Equipments Ltd, Coimbatore	۲ı	NLC India Limited, Neyveli
	Energy Saving in Illumination Systems		Instruments for Energy Audit		Avenues for Energy Conservation in Fans
10.02.2022	Dr. G. Subramanyam		Mr. Sekhar Sahoo		Mr.S.Patrison
(Thursday)	Director		General Manager		Managing Director
. "	Siri Exergy, Hyderabad		Nevco Engineers Pvt. Ltd, Chennai		Adroit Fantech Engineers, Chennai
11.02.2022 (Friday)	Experiences of Energy Audit in TPPs		Health & Happiness (A mandated session of AICTE)		Toot for Participants
	Mr. Karikal Chozhan,		Mrs. Vasanthi Babu		Test for Participants and Valedictory function
	Deputy General Manager,		Counsellor		
	NTPC Limited		Anna University, Chennai		