

A One Week

ONLINE SHORT TERM COURSE (STC)

ON

“Energy Management for Economic Prosperity and Ecological Stability”

(September 21-26, 2020)

Sponsored by QIP, AICTE, Govt. of India



Organized by;

Department of Mechanical Engineering

Sant Longowal Institute of Engineering & Technology

(Centrally Funded Technical Institute)

(Deemed to be University under Ministry of Education, Government of India)

Longowal, Sangrur-148106, Punjab

<http://www.sliet.ac.in>

ABOUT TRAINING PROGRAMME

Energy plays pivotal role in economic development of a nation. As world is confronted with energy security and climate degradation, there is a need to respond with innovative knowledge-based solutions. Energy management includes planning and operation of energy production units and energy consumption end. The objective of this training program is to pave way for means and measures to conserve resources of energy, to make its eco-friendly use for development, safeguard environment and have savings in cost involved, while the users get uninterrupted access to use of energy. It is also closely related to environmental management, production management, logistics and other established business functions.

“Energy management is the proactive, organized and systematic coordination of procurement of raw materials and their handling, conversion into usable form of energy and subsequent distribution and utilization of energy to meet the requirements, taking into account of balance between environmental and economic objectives in serving society.

To improve efficiency in the various units at production ends of energy and appliances at user ends, there is need to identify the bottlenecks in the systems and devise means and measures to eliminate these from the system.

COURSE CONTENTS

The focus of the program is to deal with Energy efficient practices in Industries by providing better understanding of sustainable energy management and technological practices. The following topics would be covered:

- General Aspects of Energy Management.
- Alternative fuels/biofuels
- Solar energy
- Energy Efficiency in Thermal Utilities
- CO₂ mitigation and climate change
- Energy auditing.
- Energy Efficiency in Electrical Utilities.
- Energy Performance Assessment for Equipment and Utility System
- Laboratory Session

ABOUT THE INSTITUTE

Sant Longowal Institute of Engineering and Technology (SLIET) is a centrally funded Deemed to be university set up by Ministry of Education, Govt. of India with an aim to achieve technological excellence through innovation. It caters to the technical manpower requirement at various levels by adopting a new concept of multi-entry, multi-exit modular pattern based technical education with emphasis on skill development and practical training. It offers Certificate, Diploma, Degree, PG (M. Tech, M.Sc., M.B.A) and Ph. D. programs in various disciplines of Engineering, Science and Technology.

ABOUT THE DEPARTMENT

Department of Mechanical Engineering is the largest department of the Institute. The department offers number of programs at different levels, Certificate, Diploma, Degree and PG programs. A number of Ph.D. scholars are pursuing Ph. D. in diversified areas.

In addition to regular teaching, the faculty is engaged in active research work in their respective fields of interest covering different areas such as Bioenergy & Alternative fuels, precision metrology, composite materials, signal processing, optimization, modeling and simulation, CAD, FEA, welding technology, etc. and have undertaken many sponsored projects. The department is regularly organizing conferences/symposia and MHRD/AICTE/ISTE sponsored training programs.

LOCATION OF THE INSTITUTE

The Institute is connected by road with Sangrur (20 km), Patiala (80 km), Sunam (17 km), Ludhiana (100 km), Chandigarh/Ambala (150 km), Delhi (320 km). Dhuri, Sangrur and Ambala, are well connected to important places in India by rail. The nearest airport is Chandigarh.

ELIGIBILITY FOR PARTICIPATION

The training program is open to faculty/ teachers and research scholars of AICTE recognized degree level Engineering Colleges/Institutions and Technical Universities/Deemed Universities. As the training program is interdisciplinary in nature, faculty members of mechanical, chemical, civil, electrical, instrumentation, environment, science and management disciplines can attend the programme. Industry personnel and research scholars can also attend this training programme.

REGISTRATION

Candidate should complete the enclosed registration form and send it by mail/fax/ by post to the coordinator. Confirmation of eligible candidates will be on first come first serve basis upto a maximum of 30 candidates.

COURSE FEE/REGISTRATION FEE

- Registration Fee for Faculty: NIL
- Registration Fee for Research Scholar: NIL
- Course & Registration Fee for Delegates from Industry: NIL

IMPORTANT DATES

Last date for receiving application form:

September 20th, 2020

ADDRESS FOR CORRESPONDCE

COORDINATOR-STC (EMEPES)

DEPARTMENT OF MECHANICAL ENGINEERING

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CHIEF PATRON

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Professor & HOD

COORDINATORS

Dr. Raj Kumar Yadav, Professor

Dr. Indraj Singh, Associate Professor

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Registration Form

Name: _____

Designation: _____

Organization: _____

Address for communication: _____

Mobile No.: _____

E-mail: _____

Highest qualification: _____

Experience: _____

Signature of the applicant: _____

Date: _____

Signature and seal of forwarding authority

(HOD/Registrar/ Director)