

ABOUT THE SHORT TERM COURSE

In this technologically developed era, the demand for refrigeration and the need for air conditioning coexist in all wake of human life ranging from small-scale domestic applications to larger industrial installations. Innovative technologies are engulfing the world to improve standard of living with affordable cost and appreciable comfort. Like high-tech electronic gadgets and smart-phones which are subject to continuous evolution, the field of refrigeration and air conditioning too experience a consistent growth both in the fore front of existing technologies and in the newer methodologies. This short-term course is intended for providing an unique opportunity to share the details of advancement and research-scope available in the selected areas of refrigeration and air conditioning.

CONTENTS OF THE COURSE

- Research scope in refrigeration
- Thermodynamic analysis of refrigeration cycles
- Advances in absorption refrigeration systems
- Cryogenic refrigeration systems using MRP
- Miniature refrigeration systems
- Principles of air conditioning with newer aspects
- Energy modeling for buildings
- Non-conventional refrigeration systems
- Thermal storage systems
- Vapour ejector refrigeration system
- Energy for activation of cooling systems

COURSE FACULTY

Resource persons from reputed institutions and industry along with in-house faculty members from Pondicherry Engineering College will deliver expert lectures on the selected topics. Hands-on sessions on simulation of building for air-conditioning will be arranged to get the knowledge of design and real-time applications

ELIGIBILITY

The faculty members from Engineering colleges / polytechnics approved by AICTE, and industry personnel are eligible to apply for the course. Admission will be made subject to the maximum number of participants stipulated in QIP-STC norms. The seats are limited and admission will be offered on first-come first-serve basis.

REGISTRATION FOR THE COURSE

Registration form can be downloaded from the college website (www.pec.edu). Perspective participants can apply through post/FAX/email in the prescribed format duly signed and forwarded by the head of the sponsoring institution / agency.

A demand draft for Rs. 1000/- drawn in favour of "The Principal, Pondicherry Engineering College" payable at Pondicherry has to be sent by the participants as caution deposit, which will be returned / refunded on successful completion of the course in full.

The registration fee for participants from industries is Rs. 10,000/- (non-refundable)

ACCOMMODATION AND TA

Accommodation will be arranged to the outstation participants the college campus, upon request in advance. Outstation participants from AICTE-recognized institutions are eligible for bus / 3-Tier AC train fare by the shortest route. The amount claimed towards TA will be refunded only on production of the actual bus / train tickets.

Working lunch will be provided to all the participants.

IMPORTANT DATES

Last date for submission of applications : 01.12.2017

Intimation of selection through email : 06.12.2017

Please note : Only selected participants will be informed by mail

AICTE-QIP Sponsored Short Term Course on ADVANCES IN REFRIGERATION AND AIR CONDITIONING

REGISTRATION FORM (Last date for submission: 01.12.2017)

Name : Dr./Mr./Mrs. _____

Gender : Male / Female

Designation / Dept: _____

Academic Qualification: _____

Years of Teaching/Industrial Experience: _____

Areas of Specialization: _____

Phone/FAX: _____

e-mail: _____

Address: _____

PIN code: _____

Is the Sponsoring institution
approved by AICTE : Yes / No

Accommodation required : Yes / No

Signature of the Applicant

DECLARATION BY THE APPLICANT

The above furnished information is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing the STC programme. I shall attend the programme for the entire duration.

Place:

Date:

Signature of the Applicant

SPONSORSHIP CERTIFICATE

Certified that Dr./Mr./Mrs. _____ is an employee of our institution and is sponsored to attend the QIP-sponsored short-term course on '**Advances in Refrigeration and Air conditioning**'. He/She will be permitted to attend the course fully, if selected.

Place:

Date:

**Signature of the Sponsoring Authority
with Seal**

ADDRESS FOR COMMUNICATION

Dr. A. Selvaraju

Dr. K. Ashok

Department of Mechanical Engineering,
Pondicherry Engineering College,
Puducherry - 605 014

Mobile: 9443434059, 9442556018

e-mail : airac17.pec@gmail.com

ABOUT THE INSTITUTION

Pondicherry Engineering College, established in the year 1984 under the Seventh Five Year Plan of Govt. of India, is an autonomous institution affiliated to the Pondicherry University, a Central University. This college, fully funded by the Government of Puducherry, is bestowed with administrative and financial autonomy under the aegis of a Board of Governors duly constituted by the Government. The college renowned for its brand name in delivering technical education has witnessed an unparalleled growth over the past thirty two years in both infrastructure and laboratory-facilities. As a testimony for its phenomenal advancement, MHRD, Govt. of India, has granted approval for elevation to a Technological University under RUSA. The serene campus sprawling over 210 acres is located 11 km up north of Puducherry on the bluish backdrop of Bay of Bengal.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering is one among the four departments existing right from the inception of the college. The department, ventured into producing dynamic, quality-conscious, efficient and forward-looking young engineers to meet national and international demands, offers one undergraduate (B Tech) programme in Mechanical Engineering and two postgraduate (M Tech) programmes with the specialization in Energy Technology along with Product Design and Manufacturing. As a mark of its excellence in research and development nurtured by highly qualified and experienced faculty members, the department offers Ph D programme in thrust areas of different sub-domains of Mechanical Engineering. The competence in research supported with state-of-art facilities and infrastructure has made the department recognized as a QIP centre.

**AICTE-QIP Sponsored
Short Term Course**

on

**ADVANCES IN REFRIGERATION AND AIR
CONDITIONING**

December 11 - 15, 2017

Coordinators

Dr. A. Selvaraju

Dr. K. Ashok



Organized by

**DEPARTMENT OF MECHANICAL ENGINEERING
PONDICHERRY ENGINEERING COLLEGE
PUDUCHERRY - 605 014**

College website: www.pec.edu