DECLARATION BY THE APPLICANT

The information furnished in the registration form is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing TEQIP sponsored STTP on ‘Recent Trends in Power Generation’, and will attend the programme for the entire duration, if selected.

Place: 
Date: 
Signature of Applicant

SPONSORSHIP CERTIFICATE

Certified that Dr/Mr/Ms--------------------- is an employee of our Institution and is sponsored to attend the TEQIP sponsored STTP on ‘Recent Trends in Power Generation’, if selected.

Place: 
Date: 
Signature and seal of sponsoring authority

ADDRESS FOR COMMUNICATION

Dr.P.MATHIAZHAGAN
Mr. A.SATHIAMOURTTY
Dept. of Mechanical Engineering, Pondicherry Engineering College, Pillaiachavady, Puducherry. 605 014
Mobile: +91-9965956323, +91-9894399066
E-mail: pmathi@pec.edu
asm@pec.edu

ABOUT THE INSTITUTION

Pondicherry Engineering College (PEC) is 31 years old Institution promoted and fully funded by the Government of Puducherry. The college was started in the academic year 1985-86 under the seventh plan. The college has signed several MOU’s with leading International/National Institution/Organizations of Eminence and is actively involved in various research projects. PEC now offers 8 undergraduate and 11 post graduate courses apart from Full Time/Part Time M.Phil. and Ph.D Programmes. The National Board of Accreditation (NBA) has accredited all the 8 undergraduate courses. The college is situated about 12 km north of Puducherry and about 150 km south of Chennai along the scenic East Coast Road (ECR) on the shores of the Bay of Bengal. The lush green campus of great scenic beauty and picturesque environment forms an excellent setting for the pursuit of studies in Engineering, Science and Technology.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was started in the academic year 1985-86. The department is offering a UG course (B.Tech) in Mechanical Engineering and two PG courses namely M.Tech (Energy Technology) and M.Tech (Product Design and Manufacturing) besides Ph.D (Full Time and Part Time) programs.

The department has a team of highly qualified and dedicated faculty members. The department has laboratories with modern and state of the art equipments, excellent computing facilities and a library with adequate number of books.

The department also has been recognized as a minor QIP Centre for pursuing PhD program. The Alumni of our department are spread far and wide across the globe holding eminent positions in Industries, Academia and R&D.

ABOUT PUDUCHERRY

The history of Puducherry goes back to the Roman times but factually started with the arrival of the French in 1683 who founded the town and went on to build it to its present form, during their rule for about two and half centuries. The coastal town of Puducherry with the French ambience is known for the serene atmosphere. Sri Aurobindo Ashram and the nearby Auroville International Township lend a unique spiritual flavor to the city. There is a blend of spiritual aura French colonial heritage, Tamil culture (Memorials of Poet Bharathiyar and Poet Bharathidasan), Sri Manakula Vinayagar temple, Chunnambar boat house, Chindambarm Nataraja temple etc., are some of the major tourist attraction in and around Puducherry.
ABOUT THE COURSE
An increasing demand on electrical energy as well as the reduction of fossil fuels resources and emissions are currently in fact one of the main challenges worldwide. The world will need investment of $4.5 trillion in power generation over the next thirty years. This is three times higher than power sector investment during the past three decades. Important factors in shaping the future energy system are demographics, urbanization, incomes, energy demand and market liberalization. The deregulation in the electric power industry and the changing price structure for electric-power fees have made it critically important to increase the operation rate of power plants and reduce plant construction and operation costs. At the same time, however, the demand is increasing to improve efficiency and maintain safety and reliability in various power plants such as thermal, nuclear power, hydro, wind, MHD and biomass, which shoulder a main portion of electric power supply. This STTP programme will provide an in-depth knowledge, recent techniques, materials development and environmental issues of power generation. They can apply the principle and technologies in the industries where they are working and as for faculties are concerned, they would be able to teach these subjects with lot of confidence. Researchers can easily understand the characteristics techniques and be able to apply their research.

TOPICS TO BE DISCUSSED IN THE PROGRAMME
- Overview of Vapour Power Generation Cycles & Thermodynamic Analysis
- Important design features of power plant components and their performance
- Super Critical Technology
- MHD and Incineration systems and technologies
- Recent Developments in Power Plant Materials
- Failure analysis of power plants
- Pollution control techniques
- Nuclear technology and related issues
- Energy conservation methods and audit.
- Tribology Aspect of Materials.

RESOURCE PERSONS
Faculty from Pondicherry Engineering College and guest faculty from reputed educational and R&D sector will deliver the lecture.

ELIGIBILITY
The course is open to faculty members of Mechanical, Electrical, Chemical, and Instrumentation Engineering, who are working in Engineering/Polytechnic Colleges. Engineers from Industries are also eligible to apply. Admission will be offered subject to the availability based on TEQIP guidelines.

HOW TO APPLY
Duly filled in applications forms, as per the given format and duly recommended/sponsored by the competent authority should reach the coordinator on or before 20-04-2016. Registration form can also be downloaded from www.pec.edu. Advance copy by email shall be accepted subject to confirmation.

IMPORTANT DATE
Last date for receipt of applications
Through proper channel : 20.04.2016
Intimation of selection : 22-04-2016

ACCOMMODATION
Free boarding for all and free lodging will be provided only to the outstation participants on request.

“RECENT TRENDS IN POWER GENERATION”
(TEQIP-II Sponsored STTP)
02nd to 06th May 2016

Name : 
(in capital letters)
Date of birth and age : 
Qualifications : (with specialization)
Teaching Experience (years) : 
Designation : 
Department : 
Institution : 
Address for communication : (with PIN code)
Office Phone No : 
Mobile Phone No : 
E-mail : 
Accommodation required : YES/NO
Is your institution approved : YES/NO
By AICTE/UGC