

ABOUT THE INSTITUTION

Pondicherry Engineering college (PEC) is a 33 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 signed several MOUs with leading International / National Institutions/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. Programs. The National Board of Accreditation (NBA) has accredited all the 8 undergraduate courses and 4 PG courses. The college is situated about 12km north of Puducherry and about 150km 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 B.Tech in Mechanical Engineering, M.Tech (Energy Technology), M.Tech (Product Design and Manufacturing) and Ph.D (Full Time and Part Time) programs. Both UG and PG programs are accredited by NBA. 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 library with adequate volumes of books. The department also has been recognized as a minor QIP Centre for pursuing Ph.D 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 coastal town of Puducherry with the French ambience is known for its serene atmosphere. Sri Aurobindo Ashram and the nearby Auroville International Township lend a unique spiritual flavor to the city. There is a blend of French colonial heritage and Tamil culture. Memorials of Poet Bharathiyar and Poet Bharathidasan, Sri Manakula Vinayagar temple, Chunnambar boat house, Chindambarm Natarajar temple etc., are some of the major tourist attractions in and around Puducherry.

ABOUT THE COURSE

Quantitative Techniques for Optimization play a significant role in various fields of mechanical engineering such as Product Design, Manufacturing Processes, Heat Transfer, Fluid Mechanics etc. It facilitates simulation of physical phenomenon and analysis of experimentally obtained data, which invariably leads to superior understanding of the subject concerned. Various quantitative techniques can be used for class room demonstration of subtle concepts of mechanical engineering where mathematical relations are not obtained through analytical approach. The primary objective of the course is to familiarize the participants with various quantitative and optimization techniques with their use in real-life applications in mechanical engineering. The course modules are based on lectures and practical sessions.

COURSE CONTENT

- Design of Experiments
- Desirability Approach
- Grey Relational Analysis
- Genetic Algorithm
- Simulated Annealing
- Regression Analysis

AICTE-QIP Sponsored

One Week Short Term Course

on

Quantitative Techniques for Optimization in Mechanical Engineering

25.02.2019 - 02.03.2019



Coordinators

Dr. M. Pugazhvidivu

Dr. B. Prabu

Organized by

**Department of Mechanical Engineering
Pondicherry Engineering College**

(An Autonomous Institution
of Government of Puducherry
Affiliated to Pondicherry University)

Puducherry- 605014.

Website: www.pec.edu

RESOURCE PERSONS

Faculty from NIT, Pondicherry University, Anna University, PEC and industries will deliver the lectures.

ELIGIBILITY

The course is open to faculty members of Mechanical Engineering who are working in Engineering Colleges. Research Scholars working as faculty in other institutions are also permitted to attend the course. Employees from Industries are also eligible to apply. Admission will be offered based on AICTE guidelines. Maximum number of participants: 45.

HOW TO APPLY

The filled in registration form as per the given format and duly recommended/sponsored by the competent authority should reach the coordinator on or before 18th Feb, 2019. Advance copy by email shall be accepted. Registration form can also be downloaded from www.pec.edu.

IMPORTANT DATES

Last date for receipt of registration form : 18.02.2019
Intimation of selection by E-mail : 20.02.2019

REGISTRATION FEE

Faculty*	Rs 1000 (Refundable)
Employees from industries	Rs 10,000 (Non-Refundable)

(*Refundable to those participants who successfully complete the course)

The participants should submit a demand draft drawn in favour of "The Principal, PEC", payable at Puducherry. The above amount will be forfeited, if the participant does not attend the course.

ACCOMMODATION

Free boarding and lodging will be provided for participants on request in PEC campus.

TRAVELLING ALLOWANCE

The participants are eligible for 3-Tier A/C train fare. However, the TA amount can be reimbursed upon producing the actual bus/train tickets. Participants are not eligible for travel DA.

SPONSORSHIP CERTIFICATE

Certified that Mr/Ms-----is an employee of our Institution/organization and is sponsored to attend the AICTE-QIP-STC on 'Quantitative Techniques for Optimization in Mechanical Engineering'.

Place :

Date :

Signature & seal of sponsoring authority

ADDRESS FOR COMMUNICATION

Dr. M. Pugazhvadivu
Dr. B.Prabu
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Pondicherry Engineering College,
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AICTE-QIP sponsored One Week Short Term Course on Quantitative Techniques for Optimization in Mechanical Engineering

Name :
Date of birth and age :
Qualifications :
Teaching Experience (years) :
Designation :
Department :
Institution :
Address for communication :

Mobile No :
Email :
Accommodation required : YES/NO
Is your institution approved : YES/NO
by AICTE/UGC

Payment details

Amount: DD No:
Date: Bank :

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 AICTE-QIP sponsored STC on 'Quantitative Techniques for Optimization in Mechanical Engineering' and will attend the programme for the entire duration, if selected.

Signature of Applicant