

## PREAMBLE

The aim of the STTP is to bring together the communities who are working in the areas of Process modeling, control and Optimization Techniques. The last decade has seen a radical change in the scale and complexity of engineering systems, from industries like petrochemical, pharmaceutical, and so forth. Complexity arises from a number of factors, such as the nonlinear coupling among units and variables as well as the uncertainty introduced into the system. Further, the rapid progress of information and communication technologies makes the networking even more complicated in deterministic and unpredictable. As the core technologies are dealing with complex systems, the development of new process modelling, control, and optimization techniques for large-scale and complex engineering systems has become challenging, and it has become a multidisciplinary theme bringing together the modern control theory, computer modelling, intelligent optimization, powerful real-time parallel computing, and networking technology. The updation and implementation of these developments leads to enhance the productivity and utilization.

## COURSE CONTENTS

- Intelligent Control
- Nonlinear Control
- Optimization Techniques
- Process Modeling
- Process Control

## COURSE FACULTY

Faculty from Pondicherry Engineering College, Faculty from reputed institutions and experts from R&D organizations.

## ELIGIBILITY

The Faculty Members/Research Scholars of AICTE approved Engineering Colleges/Polytechnics and Professionals from Industry are eligible to apply for the course. Teachers belonging to other disciplines may also apply if this course would supplement their research. Admission will be offered subject to the availability based on the TEQIP guidelines.

## TA/DA and ACCOMMODATION

No TA/ DA will be paid to the participants as per TEQIP norms. Working lunch, tea and refreshments will be provided to all the participants. Accommodation will be provided to the selected outstation participants in the campus, upon request, at their own expenses.

## REGISTRATION

Registration form can be downloaded from the Institute website ([www.pec.edu](http://www.pec.edu)). Interested participants shall apply through post/fax/email with the prescribed format duly signed and forwarded by the head of the sponsoring institution.

## IMPORTANT DATES

**Last date for registration : 27.05.2016**

**Intimation of selection : 03.06.2016**

**Confirmation by participants: Before 08.06.2016**

**The selection of the participants will be intimated through e-mail only.**

## TEQIP PHASE- II SPONSORED SHORT TERM TRAINING PROGRAMME ON Recent Advances in Process Modelling, Control and Optimization Techniques (RAPMCOT) 13<sup>th</sup> to 18<sup>th</sup> June 2016

### REGISTRATION FORM

Name: Dr./Mr./Ms: \_\_\_\_\_

Gender: Male / Female

Academic Qualification: \_\_\_\_\_

Designation/Dept.: \_\_\_\_\_

Years of Teaching Experience: \_\_\_\_\_

Area of Specialization: \_\_\_\_\_

Phone/Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Contact No: \_\_\_\_\_

Address: \_\_\_\_\_

PIN code: \_\_\_\_\_

Is the Institution approved by AICTE? Yes/No

Need accommodation: Yes/No

Signature of the Applicant

Forwarded by (Head of the Institution)

## DECLARATION BY THE APPLICANT

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

Place:

Date:

Signature of the Applicant

## SPONSORSHIP CERTIFICATE

Certified that Dr/Mr./Ms -----is an Employee/Research Scholar of our Institution and is sponsored to attend the TEQIP PHASE II sponsored STTP on "Recent Advances in Process Modelling, Control and Optimization Techniques". He/She will be permitted to attend the course fully, if selected.

Place:

Date:

Signature of the Sponsoring Authority with Seal

### Address for Correspondence

**Mrs. M.Amirthavalli**

**Mrs.M.Florance Mary**

**Coordinators-(RAPMCOT)**

Department of Electronics and Instrumentation Engineering,

Pondicherry Engineering College,  
Pillaichavady, Puducherry – 605 014

Mobile:9442530289, 9047691848

E-Mail: [rapmcot@gmail.com](mailto:rapmcot@gmail.com)

## ABOUT PUDUCHERRY

Heritage is one of the most precious gifts, Puducherry offers to its tourists and visitors. The coastal town of Puducherry with the French ambience is known for the serene atmosphere. The great poets SubramaniyaBharathi, Bharathidasan, Sri Aurobindo are some of the legends associated with Puducherry. Sri Aurobindo Ashram, Auroville, Bharathi Park, Ousteri Lake, Chunambar boat house, Botanical Garden, ManakulaVinayagar Temple, and Arikamedu (archaeological importance) are some of the major tourist attractions of Puducherry.

## 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 MOUs with leading International/ National Institution/ Organizations of Eminence and is actively involved in various research projects. PEC now offers 8 undergraduate and 15 post graduate courses apart from Full Time/Part Time M.Phil. and Ph.DProgrammes. 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. As per National Institutional Ranking Framework released recently by MHRD, our college is in 49<sup>th</sup> Position among the Technical institutes in India.

## ABOUT THE DEPARTMENT

Electronics and Instrumentation Department is one of the dynamic departments in Pondicherry Engineering College and was started in the year 1998, due to the high demand for Instrumentation Engineers in various Industries, Companies etc. So far fifteen batches have successfully completed with flying colors. The department is accredited by AICTE, New Delhi. Qualified and experienced faculty members are an asset to the department. The well equipped Laboratories in the department provide learning through experiments in software and hardware applications. The department is fully equipped with state of the art equipments.

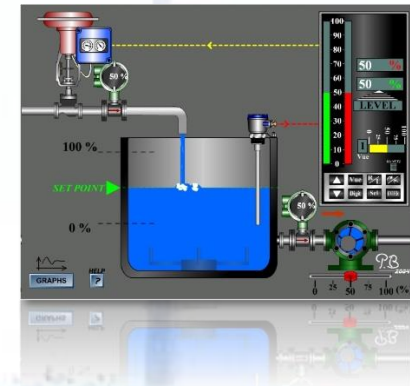


## TEQIP PHASE- II SPONSORED SHORT TERM TRAINING PROGRAMME ON



## Recent Advances in Process Modelling, Control and Optimization Techniques(RAPMCOT)

13<sup>th</sup> to 18<sup>th</sup> June 2016



## COORDINATORS

**Mrs. M.Amirthavalli**

**Mrs.M.Florance Mary**

**Organized by**

**Department of Electronics and Instrumentation  
Engineering**

Pondicherry Engineering College  
(An Autonomous Institution of Govt. of Puducherry)

Pillaichavady, Puducherry – 605 014

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