

## APPLICATION FORM

FACULTY DEVELOPMENT TRAINING PROGRAMME  
ON  
**PROCESS INSTRUMENTATION,  
DYNAMICS AND CONTROL**  
22<sup>nd</sup> to 29<sup>th</sup> Nov, 2017

Name:

Designation:

Qualification:

Department:

Institution:

Teaching Experience (years):

Address for Communication:

E-mail ID & Mobile No:

### DECLARATION

The information provided by me is true to the best of my knowledge. I agree to abide by the rules and regulations governing the Faculty Development Training Program. If selected, I shall attend the program for the entire duration.

Date: \_\_\_\_\_ Signature of the Applicant

### SPONSORSHIP CERTIFICATE

This is to certify that Prof. /Dr. /Mr. /Mrs. /Ms.....  
.... is an employee of our Institution /Organization and is hereby permitted for the above Faculty Development Training Program, if selected

Date: \_\_\_\_\_ Signature of the Head of the Institution

## ELIGIBILITY

Faculty members from AICTE approved Engineering Colleges having Chemical Engineering and allied Chemical Engineering branches affiliated to Anna University, Chennai.

### REGISTRATION

- Registration for the FDTP can be done by using the attached form or photocopy of the form. The completed form should be sent by post to the coordinator (or) scanned copy of the filled and duly signed in registration form may be sent to the coordinator to this email [pidcfdp@gmail.com](mailto:pidcfdp@gmail.com) on or before 19<sup>th</sup> Nov 2017.
- Selected candidates will be intimated by e-mail. Confirmation of participation is to be done by e-mail only.
- Registration is restricted to 25 participants only
- No TA/DA will be provided
- No registration fee

### SELECTION

- Participants will be selected on first come first serve basis.
- Priority will be given to young Faculty.

### ADDRESS FOR COMMUNICATION

For any queries and for sending the completed registration form:

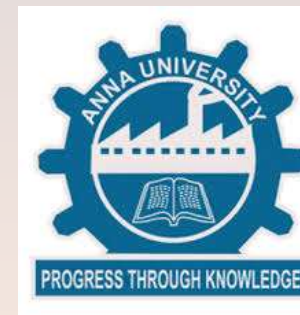
**THE COORDINATOR**  
FDTP on **PROCESS INSTRUMENTATION,  
DYNAMICS AND CONTROL**  
DEPARTMENT OF CHEMICAL ENGINEERING  
AC TECH CAMPUS  
ANNA UNIVERSITY  
CHENNAI – 600 025.  
Mobile No: **9444662960, 9443011576**  
**044-22359189/94**  
E mail ID: [pidcfdp@gmail.com](mailto:pidcfdp@gmail.com)

**SEVEN DAYS FACULTY DEVELOPMENT  
TRAINING PROGRAMME  
ON  
CH6605 PROCESS INSTRUMENTATION  
DYNAMICS AND CONTROL**

**22<sup>nd</sup> to 29<sup>th</sup> Nov, 2017**

**CO – ORDINATORS**

**Dr. K.CHITHRA  
Ms. C.N.PRATHEEBA**



*Sponsored by*

**Centre for Faculty Development  
Anna University, Chennai**

*Organized by*

**DEPARTMENT OF CHEMICAL ENGINEERING,  
A C TECH CAMPUS,  
ANNA UNIVERSITY,  
CHENNAI – 600 025.  
TAMIL NADU**

## ABOUT THE UNIVERSITY

Anna University Chennai is a premier technological University in India. It is committed to provide excellent and effective engineering education to enhance the technical and analytical skills as well as the moral standards to the student community. The University has been pioneering in Engineering Education and Technology development to remain abreast in many frontier areas. Besides promoting research and disseminating knowledge gained there from, it fosters cooperation between the academic and industrial communities. The University has established collaborative research programs with world class institutions from various countries.

## ABOUT THE DEPARTMENT

The Department of Chemical Engineering was started in the year 1944 in A. C. College of Technology under the University of Madras. Later in September 1978, the Department was transferred into the newly established Anna University, a unitary type of University. The Department of Chemical Engineering offers UG programme in Chemical Engineering and 3 PG programme (Chemical Engineering, Petroleum Refineries and Petrochemicals and Environment Science and Technology). These Programme are designed to facilitate students in understanding, developing, integrating and applying different areas of technology to process industries. Over the period of years, the areas of research have moved in tandem with the developments in the chemical engineering world. Active interaction with the industry has been maintained over the years and the department has been collaborating with several industries through consultancy services. The main objective of the Department is to cultivate knowledge among young minds and motivate the need for research in frontier areas. The students will be exposed to a length and breadth of experimental techniques and to provide a broad foundation in scientific reasoning and analytical problem solving.

## OBJECTIVE OF THE COURSE

This Faculty Development Training Programme is intended to appreciate the need for feedback process control in chemical process and to learn the method for designing the same. The objective of this course is to develop a feel for control and instrumentation in process industries. Chemical Engineers are employed in process industries to transform a less valuable material to a value-added end product. These more stringent operating conditions often place new constraints on the operating flexibility of the process.

Process Control aims at methods of attaining such product specifications within operational bounds.

## COURSE CONTENT

The topics covered will include time-domain process modeling; determination of steady states; study of transient behavior of processes; classification of processes based on their transient behavior as first-order, second order, inverse response, delayed process etc., block diagram representation, and feedback control. Stability, frequency response and controller tuning are also covered in the course. Introduction to advanced control strategies such as cascade, feed forward, ratio control are also covered.

## RESOURCE PERSONS

Experts from IIT, PEC, MIT and Anna University will deliver the lectures

## ORGANIZING COMMITTEE

### **CHIEF PATRON:**

**VICE CHANCELLOR,**  
Anna University, Chennai.

### **PATRONS:**

**Dr. S. Ganesan**  
Registrar,  
Anna University, Chennai.

**Dr. S. Sivanesan**  
Dean, ACT Campus  
Anna University, Chennai.

### **CHAIR:**

**Dr. K. Shanthy**  
Director, CFD

**Dr. D. Sridharan**  
Addl. Director, CFD

### **CO-CHAIR:**

**Dr. N. Nagendra Gandhi**  
Professor and Head,  
Department of Chemical  
Engineering,  
Anna University, Chennai.

### **CO-ORDINATORS:**

**Dr. K.CHITHRA**  
Associate Professor, Chemical Engg.  
**Ms. C.N.PRATHEEBA**  
Assistant Professor, Chemical Engg.

**VENUE: Room No: 208**  
**Department of Chemical Engineering**  
**AC Tech Campus**  
**Anna University**  
**Chennai**

## IMPORTANT DATES

**Submission of Application: 17.11.2017**  
**Intimation of Selection (by email):18.11.2017**  
**Confirmation by Participants: 20.11.2017**