

## ORGANIZING COMMITTEE

### CHIEF PATRON

**Dr. CHINNADURAI ABDULLAH**

Correspondent, Syed Ammal Engineering College

### PATRON

**Dr. M. PERIYASAMY**

Principal, Syed Ammal Engineering College

### GENERAL CHAIR

**Dr. R. DHANASEKARAN**

Director - Research, Syed Ammal Engineering College

### EXECUTIVE MEMBERS

**Dr. A. JEYASARAVANAN**, ASP, EEE

**Dr. S. MUTHULAKSHMI**, ASP, EEE

**Dr. S. AISWARIYA**, ASP, EEE

**Dr. M. SENTHIL KUMAR**, AP, EEE

**Dr. G.S. NAGANATHAN**, AP, EEE

**Mr. M. PAUL JEYARAJ**, AP, EEE

**Mr. P. GNANASKANDA PARTHIBAN**, AP, EEE

**Mr. T. ARUN PRASATH**, AP, EEE

## ABOUT THE COLLEGE

Conceived and executed in 1998 with a far-sighted vision to transform the socio-economic profile of the region by Dr. E.M. Abdullah, the doyen of medical fraternity of yesteryears, Syed Ammal Engineering College (SAEC), from its humble beginnings, has striven over the years to bloom into an institution of repute and standard in the comity of institutions of its élan and calibre. Affiliated to Anna University, Chennai, and approved by All India Council of Technical and Education (AICTE) and the State Government, the college offers graduate programmes in Civil Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering and Mechanical Engineering streams and post-graduate programmes in Computer Science & Engineering, Embedded System Technologies, VLSI design, Manufacturing Engineering and Master of Business Administration (MBA).

Spread over an extent of 25 acres of landmass, amidst serene and salubrious environs, the college has state-of-the-art technology and avant-garde resources for its academic and administrative apparatus - be it library, pedagogical aides, class rooms, computing systems, laboratories, workshops or hostels and cafeteria, and even sports and leisure, besides housing a score of professional bodies and chapters, including that of IEEE, ISTE, CSI, IETE and IE (India) on the one hand and fine arts and culture on the other, to enliven and burnish the seemingly heavy and dreary weltanschauung of engineering education. The college has forged strategic alliances with industry facilitators - Randstat, ICT Academy, E2, Oracle, ETA- to quote a few- and academic collaboration with Universiti Sains Malaysia, Penang, to bolster its intellectual capital. The departments EEE, CSE, ECE, and MECH are accredited by NBA. Also these departments are approved as research center by Anna University, the legendary technical university of Tamilnadu and received Anna University Intellectual Property award 2019.

## DEPARTMENT OF EEE

This department was established in 1998 with an intake of 60 Students. It provides a comprehensive foundation in the core topics of EEE coupled with an area of specialization relevant to emerging engineering challenges. The infrastructure and Laboratory facilities are upgraded from time to time and provide adequate opportunities for students and researchers to learn and innovate. The department has distinguished faculty with all of them holding M. E / Ph.D degrees from renowned institutes. The department grew with time, reflecting the needs of a changing society and established new areas of teaching and research in electrical engineering. It also facilitates the PG Course in M.E (Embedded System Technologies) in 2012. The department possesses the spacious and well equipped laboratories and providing Industrial environment to the students. This department also got the status of NBA accreditation and also the approved Research Centre by Anna University



## AICTE Sponsored Faculty Development Programme

on

## Modeling, Simulation, Control and Stability Analysis of Power Electronic Converters



17<sup>th</sup> - 29<sup>th</sup> June 2019

*Coordinator*

**Dr. S. SELVAPERUMAL** M.E., Ph.D

Professor and Head, EEE Department

*Co- Coordinators*

**Dr. R. NAGARAJAN** M.E., Ph.D

Associate Professor, EEE Department

**Prof. P. NEDUMAL PUGAZHENTHI** M.E.,

Associate Professor, EEE Department



*Organized by*

**Department of**

**Electrical and Electronics Engineering**

NBA Accredited



**SYED AMMAL ENGINEERING COLLEGE**

Dr. E.M. Abdullah Campus, Ramanathapuram - 623 502

Ph: 04567 - 304 000, 304 001, 222 234, Email : office@syedengg.ac.in

Web:www.syedengg.ac.in

## About the Programme

This FDP would focus on providing basic knowledge in modeling, simulation, control and stability analysis of various power electronic converters. This FDP planned to provide a step by step approach in explanation of the strong theory behind these topics in a modest way and transfer of the knowledge in the proposed topic to the members of faculty employing simulation using MATLAB supported with experimental verifications. The topics planned for the FDP would be delivered by renowned technical experts from academia and industry who possess authentic skills in these areas.

## Objective

- ❖ To provide basic knowledge in a research perspective relevant to the proposed topic to the members of faculty attending the FDP.
- ❖ To discuss the strong theory in mathematical modelling and control of various converters.
- ❖ To provide a rich idea in usage of simulation software relevant to the modelled system.
- ❖ To enhance the practical knowledge through experimental demonstration to model the system and compare the experimental verification with simulated results.
- ❖ Technical awareness to the attending faculty members which would enhance the teaching learning practice and their technical knowledge in this area. It would also help them to proceed their research work. It serves as a knowledge sharing platform for the participants and organizing members of the FDP.

## Resource Person

Resource persons are from Premier Educational Institutions, Host Institution, R&D Organizations and Industries.

## Eligibility

### Faculty Participants

Faculty from AICTE approved Engineering Colleges and Polytechnics working in Electrical and Electronics Engineering domain will be given preference. The selection of participants will be done on a first come first serve basis.

### Registration Fee for Faculty

Demand Draft for Rs. 500 /- drawn in favour of "The Principal Syed Ammal Engineering College, Ramanathapuram" payable at Ramanathapuram.

**(Refundable after completion of the Programme)**

### TA

Boarding and Lodging will be provided in the College Hostel. As per AICTE norms, TA will be reimbursed to the faculty participants only after the submission of tickets.

### Industrial Participants

Professionals from Industry, Government Departments and R&D Organizations.

### Registration Fee for Industry Participants

Demand Draft for Rs. 5000 /- drawn in favour of "The Principal Syed Ammal Engineering College, Ramanathapuram" payable at Ramanathapuram.

## Scheduled Dates

Last Date for Receipt of Application : 08.06.2019  
Selection Intimation Date : 10.06.2019  
Confirmation of Participation by the Applicants : 12.06.2019

**Filled in application form will be mailed to**

### Dr. S. Selvaperumal

Co-ordinator

Professor & Head

Department of Electrical and Electronics Engineering

Syed Ammal Engineering College

Ramanathapuram - 623 502

Ph: 04567 - 304 000, 304 150 | Mobile : 99407 90400

Email : eeehod@syedengg.ac.in

Web:www.syedengg.ac.in

## Location



# SYED AMMAL ENGINEERING COLLEGE



An ISO 9001 Certified Institution | ( NBA Accredited UG Courses : CSE, ECE, EEE & MECH )

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## AICTE Sponsored Faculty Development Programme on Modeling, Simulation, Control and Stability Analysis of Power Electronic Converters



17<sup>th</sup> - 29<sup>th</sup> June 2019

### REGISTRATION FORM

1. Name & Designation :
2. AGE : Gender : Male / Female
3. Name & Address of the Organization :
4. Landline No. With STD Code :
5. Mobile No :
6. Email ID :
7. Academic Qualification :  
(Highest qualification with specialization)
8. Teaching experience :
9. Industry experience :
10. Accommodation required : Yes / No

#### 11. DECLARATION BY THE APPLICANT

The above mentioned information are true to the best of my knowledge and belief. I agree to abide by the rules and regulations governed by the FDP. I shall attend the course for the entire duration.

Place :  
Date :

*Signature of the Applicant*

#### 12. SPONSORSHIP CERTIFICATE

Mr/Ms..... member of faculty of our institution is hereby sponsored to attend the workshop on "**Modeling, Simulation, Control and Stability Analysis of Power Electronic Converters**" from 17<sup>th</sup> to 29<sup>th</sup> June 2019.

Place:  
Date:

*Signature and Seal of the sponsoring authority*

#### Sponsoring application should be sent to :

Dr. **S. SELVAPERUMAL**, Professor & Head  
Department of EEE, Syed Ammal Engineering College  
Dr.E.M.Abdullah Campus, Ramanathapuram – 623 502  
Tamil Nadu, India  
Telephone Numbers: 04567 – 304150, 9940790400  
Mail-id: eeehod@syedengg.ac.in