

### Registration

- Faculty members from engineering colleges, Affiliated / Autonomous institutions are eligible to apply.
- No registration fee for the participants.
- Participants will be selected on First come & First serve basis and the selected participants will be intimated through e-mail.
- The total number of participants is strictly restricted to 25 only.
- Priority will be given to young faculty members.
- No TA/DA will be given to attend the programme.
- Accommodation shall be provided for the participants with free of cost subject to the availability.

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### Mailing Address

The Co-ordinator  
FDTP ON “SPECIAL ELECTRICAL MACHINES”  
DEPARTMENT OF ELECTRICAL AND  
ELECTRONICS ENGINEERING  
SRI MUTHUKUMARAN INSTITUTE OF TECHNOLOGY  
CHIKKARAYAPURAM(NEAR MANGADU),  
CHENNAI - 600 069.  
TAMIL NADU, INDIA.

### Registration Form

#### Faculty Development Training Programme

on

**EE6703**

**SPECIAL ELECTRICAL MACHINES**

**11<sup>th</sup> - 19<sup>th</sup> JUNE 2018**

Name :  
Designation :  
Qualification :  
Experience :  
Institution :  
Correspondence Address:

Mobile :  
E-mail :  
Accommodation required: Yes / No

Date: \_\_\_\_\_ Signature \_\_\_\_\_

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### Sponsorship

Dr./Mr./Ms.....is an employee of our institution and is hereby sponsored to attend the above FDTP. He / She will be permitted to attend the programme, if selected.

Signature of the Head of the Department / Institution with seal

**SEVEN DAYS FDTP**

**ON**

**EE6703**

**SPECIAL ELECTRICAL MACHINES**

**11<sup>th</sup> - 19<sup>th</sup> JUNE 2018**

**Co-ordinators**

**Dr.V.ANITHA,**

**Professor & Head, Dept. of EEE**

**Mrs.P.VANITHA,**

**Assistant Professor, Dept. of EEE**



Sponsored by

**ANNA UNIVERSITY  
CHENNAI**

Organized by



**SRI MUTHUKUMARAN  
INSTITUTE OF TECHNOLOGY**

APPROVED BY AICTE AND AFFILIATED TO ANNA UNIVERSITY

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

CHIKKARAYAPURAM (NEAR MANGADU), CHENNAI - 600 069.

EMAIL : smiteee2012@gmail.com | CONTACT : 8667629328, 9094011584

WEBSITE : www.smit.edu.in

## About the College

Sri Muthukumaran Institute of Technology (SMIT) is a self financing Engineering College affiliated to Anna University, Chennai approved by AICTE, New Delhi. The SMIT is established in the year 1996 under Sri Muthukumaran Educational Trust. Thiru. A.N. Radhakrishnan and Smt. Gomathi Radhakrishnan are the founder Chairman and Chairperson of our college.

Sri Muthukumaran Institute of Technology is located in Chikkarayapuram village near the famous Mangadu Kamakshi Amman temple at a distance of 15 kms from Chennai main.

Sri Muthukumaran Institute of Technology offers Six UG programs viz. B.E - Civil, Computer Science, Electronics and Communication, Electrical and Electronics, Mechanical Engineering and Information Technology, Six PG programs in engineering viz. M.E - Applied Electronics, Embedded System Technologies, Computer Science and Engineering, Computer Aided Design, Engineering Design and Power System Engineering, Master of Computer Applications, Master of Business Administration and two Research Centres, one in Department of Computer Science and Engineering and other in Department of Electrical and Electronics Engineering are functioning with the recognition of Anna University. Five of our UG programs are accredited by NBA two times. Our Alumni are excelling as technical professionals in reputed National, International Organizations and also as successful Entrepreneurs.

## About the Department

Department of Electrical and Electronics Engineering was established in the year 1996. The department is recognized as a collaborative research centre with Anna University in the year of 2016. The department is housed as a separate block with spacious well ventilated class rooms, well equipped laboratories and an exclusive conference hall. It has two PG courses namely Embedded System Technologies & Power System Engineering. The department is well equipped with laboratories and has computing facilities with latest software like MATLAB, PSPICE, ETAP and PSCAD etc.

## Objective of the Programme

The Faculty Development Training Programme is intended

- To provide an excellent opportunity for faculty members working in institutions.
- To introduce the subject in a different perspective and to impart better knowledge and understanding of the subject.
- To understand the concepts through illustrations and applications.
- To train the participants with the innovative teaching methodology.

## Topics to be covered

- Introduction to Special Electrical Machines
- Modelling and Analysis of Switched Reluctance Motors
- Modelling and Analysis of Stepper Motors
- Design of sine wave motor with practical windings and applications of Special Electrical Machines
- Modelling and Analysis of Switched Reluctance Motors using Magnet Software
- Power Converters and their controllers
- Simulation using MATLAB
- Permanent Magnet Brushless DC Motor -Construction, Principle, Operation
- Modelling and Analysis of BLDC Motor
- Detail Analysis and Design of Permanent magnet synchronous Motor
- Applications of Special Electrical Machines and Scope of Research in the area of Special Electrical Machines
- Discussion on applications of Special Electrical Machines with respect to Power Systems.

## Speakers

Eminent faculty members from Anna University and Industries will deliver the lecture.

## ORGANIZING COMMITTEE

### Chief Patron:

**Dr.M.K.Surappa**  
Vice-Chancellor,  
Anna University,  
Chennai.

### Patron:

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

### Chair:

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

### Co-Chair:

**Dr.D.Padma Subramanian,**  
Principal,  
Sri Muthukumaran Institute of Technology.

**Dr.V.Anitha,**  
Professor & Head, Dept. of EEE, SMIT

### Co-ordinator:

**Dr.V.Anitha,**  
Professor & Head, Dept. of EEE, SMIT  
**Mrs.P.Vanitha,**  
Assistant Professor, Dept of EEE, SMIT

### Venue:

**SEMINAR HALL**  
GROUND FLOOR,  
DEPT. OF EEE, SMIT

### IMPORTANT DATES:

Submission of Application : **04/06/2018**  
Intimation of selection : **05/06/2018**  
Confirmation by Participants : **07/06/2018**