

SCOPE OF THE PROGRAMME

- Modeling of basic power flow.
- Modeling of Wind and Solar Sources.
- Solving power flows and creating reports.
- Understanding and interpreting results.
- Changing model data and network topology
Applying data checking functions to identify modeling issues.
- Managing power flow data (import/ export, network reduction, merging data).
- Performing fault analysis, including overhead line properties calculation and data management.
- Automating and customizing procedures using Response Files, IPLAN* and Python®*.
- Performing balanced switching, motor starting and voltage rise calculations and viewing results.
- Performing AC/DC contingency and transfer limit calculations.
- Special applications, including PV/QV analyses and Inertial/Governor redispatch power flows.

REGISTRATION FEE :

Academicians / Research Scholars : Rs. 500/-

Faculty members and research scholars the total intake is 50, the selection based on first come first serve. Lunch will be arranged during the programme. Accommodation will be provided in the campus hostels to the out station participants on prior intimation.

IMPORTANT DATES :

FDTP date : December 14th and 15th, 2017

Last date for

Registration : 10th December 2017

Participants are requested to Email the filled Register form on or before December 10th 2017. Registration fee may be paid in the form of DD in favour of **SEEE-SAEC, S.A. Engineering College**, payable at Chennai.

FOUNDER :

(Late) Shri D. SUDHARSSANAM

BOARD OF TRUSTEES :

Shri. D. DURAIWAMY, Chairman
Shri. D. PARANTHAMAN, Vice Chairman
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Dr. P.K. NAGARAJAN, M.E., Ph.D.,
Principal

CONVENERS :

Dr. S. PRIYA, M.E., Ph.D., Professor & Head, EEE
Dr. A. SURESH, M.E., Ph.D., Professor, EEE

ADVISORY COMMITTEE :

Dr. K. SATHIYASEKAR, M.Tech., Ph.D., Professor, EEE

ADDRESS FOR COMMUNICATION :

The HoD,
Department of Electrical & Electronics Engineering,
S.A ENGINEERING COLLEGE,
Poonamalle-Avadi Main Road, Veeraraghavapuram,
Chennai - 600 077, Tamil Nadu, India.

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FACULTY DEVELOPMENT TRAINING PROGRAMME

on

“POWER SYSTEM STUDIES FOR RENEWABLE INTEGRATION USING PSSE”

Date : 14th & 15th December 2017

CONVENOR :

Dr. S. PRIYA,
Professor and Head / EEE
Dr. A. SURESH,
Professor / EEE

Organized by

**Department of Electrical and
Electronics Engineering**



S.A. ENGINEERING COLLEGE

(Accredited by NBA, NAAC with 'A' Grade &
ISO 9001: 2008 Certified Institution)

Poonamallee - Avadi Main Road,
Thiruverkadu, Chennai - 600 077,
Tamilnadu, India.

Phone : 044-2680 1999, 2680 1499

Web : www.saec.ac.in



ABOUT THE COLLEGE

S.A. Engineering College was established by the Dharma Naidu Educational & Charitable Trust in the year 1998-'99. The college is approved by AICTE Delhi and affiliated to Anna University, Chennai, Tamil Nadu. The college is well-planned with 5 lakhs sq.ft. of constructed area which includes classrooms, Drawing Halls, Laboratories, workshops and associated faculties. In recognition of quality system of high caliber being implemented in this college, TUV NORD has awarded ISO 9001:2008 Certification to the Institution & accredited by the National Board of Accreditation (NBA) and NAAC with 'A' Grade. All the under graduate programs offered are accredited by National Board of Accreditation (NBA), NEW DELHI. The college offers following 6 U.G programmes and 7 P.G programmes.

- B.E. - Civil Engineering
- B.E. - Computer Science and Engineering
- B.E. - Electrical and Electronics Engineering
- B.E. - Electronics and Communication Engineering
- B.E. - Mechanical Engineering
- B.Tech. - Information Technology
- M.E. - CAD/CAM
- M.E. - Communication Systems
- M.E. - Computer Science and Engineering
- M.E. - Embedded System Technologies
- M.E. - Power Electronics and Drives
- M.B.A. - Master of Business Administration
- M.C.A. - Master of Computer Applications

The college maintains high standard of education by providing a wide array of world class academic facilities, employing highly qualified and experienced faculty members and creating an ambience conducive of quality education.

ABOUT THE DEPARTMENT

The Department of EEE has 16 years of excellence service offering UG Programme in Electrical and Electronics Engineering and PG Programme in Embedded System and Technologies & Power Electronics and Drives. It has spacious and well-equipped laboratories and classrooms. The department has well experienced, highly qualified faculty members. It has successfully imparted knowledge to numerous students who have excelled profoundly achieving university ranks. The department Association organizes national level symposiums and conferences with various academic activities like Seminars, Guest Lectures, Industrial Visits and Personality Development Classes, placement training etc which helps to improve the student caliber.

ABOUT THE WORKSHOP

The renewable energy resource is capable of powering houses and small businesses without any connection to the electricity grid but many people prefer the advantages of grid-connection. The renewable energy system is used as a supplement and an alternative to large conventional power stations.

The objective of the FDTP is to impart knowledge regarding modeling of solar PV and wind power systems. It also gives an insight regarding the solving of power flows and issues in integration of renewable energy system with the power grid. This programme is planned to give case studies and solution to renewable energy integration with power grids using PSSE Power Transmission System Planning Software. With the use of PSSE fast and robust power flow solution for network models up to 200,000 buses by the change of model data and network topology with the modern graphical user interface. Special applications, including PV/QV analyses and Inertial/Governor redispatch power flows make the programme stimulating.

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on

"POWER SYSTEM STUDIES FOR RENEWABLE INTEGRATION USING PSSE"

Date : 14th & 15th December 2017

REGISTRATION FORM

(Photocopy may be used if required)

Name (in BLOCK letters) :

Academic Qualification :

Experience :

Designation & Department :

College Address :

Name of Affiliated University :

E mail :

Contact Number :

DD Number / Date "

DECLARATION :

The information furnished above is true to the best of my knowledge.

Date :

Place : Signature of the Applicant

Mr./Ms./Dr. _____

is an employee (faculty) / PG student of our institute. He / She will be permitted to attend the programme if selected.

Date :

Place : Signature & Seal
HOD/Principal/Head of the Organization