

PROGRAMME OVERVIEW

- ❖ Infrastructure for Green Communication
- ❖ Scheduling algorithm in LTE and future cellular Networks
- ❖ TRAI's Regulation for Moving towards Green Telecom
- ❖ Future Trends in Telecomm: 5G, IoT, OTT
- ❖ D2D Communication & Resource Allocation
- ❖ Advanced Communication for energy efficiency in Industries
- ❖ Energy Harvesting Sensor Networks
- ❖ Introduction to TCL (Tool Command Language)
- ❖ CISCO Packetizer and Introduction to NS-3
- ❖ Simulation of PHY/MAC layer, Routing schemes, Wireless propagation model, GNUPLLOT, Netanim, Visualizer and Wireshark

RESOURCE EXPERTS

Dr. P.T.V. Bhuvanewari, MIT, Chennai.
Dr. Albert Sunny, IIT Palakad.
Smt. S. Geetha, DGM, BSNL, Chennai.
Dr. B. Thanasekar, MIT, Chennai.
Dr. Malliga Padmanaban, NITTTTR, Tharamani.
Dr. V. Noor Mohammed, VIT, Vellore.
Dr. G.S. Kumarasamy, SAEC, Chennai
Prof. B. Satheesh Monikandan, Indian Naval Academy
Dr. K. Palanisamy, VIT, Vellore.
Dr. C. Arunachalaperumal, SAEC, Chennai
Er. R. Pagalavan, SDE, BSNL, Chennai.
Prof. S. Dhilipkumar, SAEC, Chennai.
Er. S. Dinesh, Medi Valley Incubation Council
Prof. S. Prabhu, SAEC, Chennai.
R&D Team, Aristocrat Research, Chennai.

GUIDELINES

- No registration fees.
- Faculty/Research Scholars from Universities / AICTE recognized Institutions are only eligible.
- Total number of participants is strictly 40.
- Eligible participants will be selected based on first come first serve basis and will be intimated by e-mail only.

Registration :

Submit the filled-in registration form through mail to dhilipkumar@saec.ac.in on or before 29-11-2019

FOUNDER :

(Late) **Shri D. SUDHARSSANAM**

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Advisor, S.A. Engineering College

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Dr. N. ANUSHA, Prof./ECE

MAILING ADDRESS

Convener,

*National Level Short Term Training Programme
on*

*Green Communication Networks and
Simulation of Wireless Networks using NS-3*

ECE Department,

S.A. ENGINEERING COLLEGE,

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**NATIONAL LEVEL SHORT TERM TRAINING PROGRAMME
ON
GREEN COMMUNICATION NETWORKS AND
SIMULATION OF WIRELESS NETWORKS USING NS-3
02.12.19 to 07.12.19**

Sponsored by

**All India Council for Technical Education
(AICTE)**

Organized by

**Department of Electronics and
Communication Engineering**

Conveners

Dr. C. ARUNACHALAPERUMAL, Prof./ECE
Prof. M. VANITHALAKSHMI, Asso.Prof./ECE

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Mr. S. PRADEEP, Asso.Prof/ECE
Mr. S. DHILIPKUMAR, AP/ECE
Ms. G. DIVYA, AP/ECE

S.A. ENGINEERING COLLEGE

(An Autonomous Institution)

*Affiliated to Anna University, Chennai
Accredited by NBA, NAAC with 'A' Grade &
ISO 9001:2015 Certified Institution*

Poonamallee Avadi Main Road, Thiruverkadu,
Chennai 600 077, Tamilnadu, India.
Phone : 044 -2680 1999, 2680 1499

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ABOUT THE INSTITUTION

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 also acquired the Autonomous status in the year 2019-2020. The college is well-planned with 5 lakhs sq.ft. of constructed area which includes classrooms, drawing halls, laboratories, workshops and associated facilities. In recognition of quality system of high quality policy being implemented by the Institution, M/s TUV NORD has accorded ISO 9001:2015 Certification. The college is accredited by NBA, NAAC with 'A' Grade. The college offers following 6 U.G programmes and 6 P.G programmes.

- B.E. - Civil Engineering
- B.E. - Computer Science and Engineering
- B.E. - Electronics and Communication Engineering
- B.E. - Electrical and Electronics 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.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 for providing quality education.

LOCATION

The college is located on the highway from Poonamalle to Avadi High Road at a distance of about 1 Km from Poonamalle Bye Pass Road of the Chennai- Bangalore National Highway (NH4).



ABOUT THE ORGANIZING DEPARTMENTS

The Department of Electronics and Communication Engineering was established in the year of 1998 with an aim of creating quality Engineers with sound technical knowledge and awareness of the latest advancements in existing and emerging technologies. Major highlights in the department include "Centre of Excellence in Automation and Robotics", and IoT research lab for green technology and telemedicine applications. The department is recognized research centre of Anna University, Chennai

ABOUT AICTE SPONSORED STTP

The AICTE Sponsored STTP aims to create awareness and to provide a perfect platform for sharing the new technical knowhow and innovative ideas. Green Communication is an eco-friendly approach towards mobile communication system. Considering the facts of Global warming and increasing energy costs, the world is in need of vision that is reducing energy consumption. The cellular communication technologies have played an imperative role in making life pattern comfortable and improving quality of life. Smart phones have revolutionized the modern age of communication. But the greater use of telecom and data services results in worldwide energy needs. And the telecommunication service providers should be accountable for the environmental impacts.

This STTP mainly aims to provoke a thought of eco-friendly communication. Bringing the people together in research and academics to understand and innovate energy efficient and Go Green communication.

IMPORTANT DATES

- Submission of filled in registration form : 29-11-2019
- Confirmation of participants via E-mail : 30-11-2019



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REGISTRATION FORM

Name :

Qualification :

Designation :

Experience :

Name of the Institution with Address :

E-mail :

Mobile :

Signature of the Applicant

CERTIFICATE FROM SPONSORING INSTITUTE

Mr./Ms./Dr. _____ is an employee of our institution and he / she is sponsored to attend the AICTE sponsored STTP from 02.12.19 to 07.12.19.

Date :

Signature of HoD /
Institution with office Seal