

ELIGIBILITY

- Academicians & Faculty Members from Engineering Colleges
- Third Year & Final Year Under Graduate Mechanical Engineering students
- Research Scholars pursuing Part Time / Full Time Ph.D.
- Post graduate Engineering Students
- Industrialists
- Scientists from Defence Industries

REGISTRATION

Registration Fee : **Rs. 300/-** per Participant.

Registration fee covers Lunch & Refreshments. For outstation participants, on separate chargeable & request basis, accommodation can be provided in College Hostel.

The maximum number of participants is restricted to 50 only.

The participants are selected on first come first serve basis only.

PROCEDURE FOR ATTENDING WORKSHOP

Completely filled in Registration form along with DD drawn in favor of **“SOCIETY OF MECHANICAL ENGINEERS, S.A. ENGINEERING COLLEGE”** Payable at Chennai, must be sent to the address mentioned in the communications column

FOUNDER :

(Late) **Shri D. SUDHARSSANAM**

CHIEF PATRON :

Shri. D. DURAISWAMY, Chairman

Shri. D. PARANTHAMAN, Vice Chairman

Shri. D. DASARATHAN, Secretary

Shri. S. AMARNAATH, Treasurer

Shri. S. GOPINATH, Joint Secretary

PATRON :

Shri. P. VENKATESH RAJA, B.E., M.S.,
Director

CO-PATRON :

Dr. P.K. NAGARAJAN, M.E., Ph.D.,
Principal

WORKSHOP CHAIR :

Dr. T. LAKSHMANAN, M.E., Ph.D.,
HOD, Department of Mechanical Engineering

ORGANIZING SECRETARY :

Dr. S. MAHADEVAN, Professor, Mech.

Dr. P. SEVVEL, Professor, Mech.

All communications should be sent to :

Head of the Department

Dept. of Mechanical Engineering.

S.A. ENGINEERING COLLEGE,

Poonamallee - Avadi Main Road,
Thiruverkadu, Chennai - 600 077

Phone : 9791236066, 7904015410, 7871518370

Email : workshopmech@saec.ac.in

NATIONAL WORKSHOP on “ADVANCED MANUFACTURING PROCESSES APPLIED TO COMBAT VEHICLE COMPONENTS”

23.06.2017

Co-ordinators :
Dr. S. Mahadevan
Dr. P. Sevvell



sponsored by

Defence Research and Development Organization

Organized By

Department of Mechanical 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.

Phone : 044-2680 1999

2680 1499

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ABOUT THE INSTITUTION

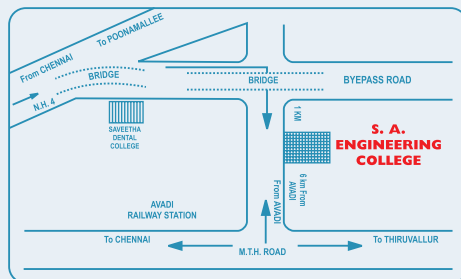
S.A. Engineering College was established by the Dharma Naidu Educational & Charitable Trust in the year 1998-'99. The college is approved by AICTE Delhi and affiliated to Anna University, Chennai, Tamil Nadu. The college is well-planned with 4 lakhs sq.ft. of constructed area which includes classrooms, 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 9001:2008 Certification. The college is accredited by NBA, NAAC with 'A' Grade. 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. - 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.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 for providing quality education.

LOCATION

The college is located on the highway from Poonamalle to Avadi High Road at a distance of about 500 mts. from Poonamalle Bye Pass Road of the Chennai- Bangalore National Highway (NH4).



ABOUT THE WORKSHOP

The key to the improvement of a country's industrial economy greatly relies on the adoption of advanced manufacturing processes. Advanced manufacturing can be termed as the formulation and establishment of combined & unified solutions that require the fabrication of substantial & real components connected with the software and value added services, together with manipulation of characteristic oriented, recyclable elements, with the help of competent processes. A workshop on various recent & advanced manufacturing processes including 3D Printing, Friction Stir Welding, NonDestructive Testing, Additive manufacturing & Arc welding automation is thus inevitable for meeting the various current requirements in the manufacturing sectors.

CONTENTS OF THE WORKSHOP

- Use of technology to improve product & processes
- Traditional vs advanced manufacturing technologies
- 3D Printing
- Friction Stir Welding of high strength alloys
- Non Destructive Testing
- Additive manufacturing
- Wire cut EDM Techniques
- Arc welding using Robots for Armoured Fighting Vehicle components

WORKSHOP HIGHLIGHTS

- Hands on Training in manufacturing of components using 3D Printing machines
- Live demonstrations on Non Destructive testing of various components
- Simulation sessions on mobilized arc welding by robot for various AFV components

NATIONAL WORKSHOP

on

“ADVANCED MANUFACTURING PROCESSES APPLIED TO COMBAT VEHICLE COMPONENTS”

23.06.2017

REGISTRATION FORM

Name :

Qualification :

Gender :

Academician/Industrialist :

Designation & Dept :

Name of the Institute/Industry :

Address for Communication:

E Mail ID :

Phone No :

Accommodation required : Yes / No

DD No.:

Date:

Amount in Rs:

Name of the Bank:

Signature of the Participant