

## POINTS TO REMEMBER

- The Project must have an innovative idea and design of Engineering and Technology.
- The students of class from B.E/B.Tech I year to Final year.
- The team can include a maximum of 3 members.
- All selected projects will be included in the project expo.
- Best projects will be selected and awarded prizes.
- Download the registration form from our college website : [www.saec.ac.in](http://www.saec.ac.in)

## IMPORTANT DATES

Submission of project registration form : 20-1-2015 to 13-2-2015

Intimation of Acceptance : 20-02-2015

All communications should be sent to :

**The Vice Principal**

Project Expo '15 (National Level Project Contest)

**S.A. ENGINEERING COLLEGE**

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

Mobile : +91-98404 92590, 91-97911 12070, 91-98400 95127

E-Mail : [projectexpo2015@saec.ac.in](mailto:projectexpo2015@saec.ac.in)

Web : [www.saec.ac.in](http://www.saec.ac.in)

### Founder

(Late) Shri. D. SUDHARSSANAM, Ex. M.L.A.

### Chief Patrons

Shri. D. DURAISWAMY, Chairman

Shri. D. PARANTHAMAN, Vice Chairman

Shri. D. DASARATHAN, Secretary

Shri. S. AMARNAATH, Treasurer

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Dr. T. SASILATHA, Vice Principal

### Convenors

Dr. A. SURESH, Prof/EEE

Dr. L. VIJAY, Prof/MBA

Mrs. V. SUJATHA, Asso. Prof/MCA

### Co-ordinators

Dr. R. HARIHARASUDHAN, Asst.Prof. / Chemistry

Mr. V. NAGARAJU, Asso.Prof. / ECE

Mrs. M. PREETHA, Asst. Prof/CSE

Mr. P.J. SATHISH KUMAR, Asst. Prof. / IT

Mr. S. BASKAR, Asst. Prof. / EEE

Mr. T.G. SAKTHIVEL, Asst. Prof. / MECH

Mr. R. RAJANAND, Asst. Prof. / CIVI

## S.A. ENGINEERING COLLEGE

Poonamallee - Avadi Main Road, Thiruverkadu, Chennai 600077.

Phone : 044-26801999, 26801499, Fax : 044-26801899

E-mail : [projectexpo2015@saec.ac.in](mailto:projectexpo2015@saec.ac.in) Website : [www.saec.ac.in](http://www.saec.ac.in)

## NATIONAL LEVEL PROJECT CONTEST

# PROJECT EXPO '15

Saturday 14<sup>th</sup> March 2015

Attractive  
Cash Awards



Organized by

## S.A. ENGINEERING COLLEGE

(NBA Accredited & ISO 9001:2008 Certified Institution)

In Association with



भविनि  
BHAVINI

A Government of India Enterprise, Department of Atomic Energy



COMPUTER SOCIETY  
OF INDIA



INDIAN SOCIETY FOR  
TECHNICAL EDUCATION



SOCIETY OF  
AUTOMOTIVE ENGINEERS



## ABOUT THE INSTITUTION

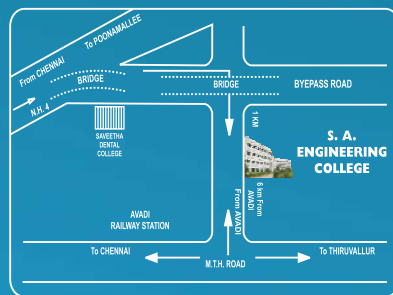
S.A. Engineering College was established by the Dharma Naidu Educational & Charitable Trust in the year 1998-'99. The college is approved by AICTE Delhi and affiliated to Anna University, Chennai, Tamilnadu. The college is well-planned with 4 lakhs sq.ft. of constructed area which includes classrooms, drawing halls, laboratories, workshops and associated facilities. In recognition of the high quality policies being implemented by the institution. M/s TUV NORD has accorded ISO 9001:2008 Certification. All the under graduate programs are accredited by National Board of Accreditation (NBA), NEW DELHI. The college offers following 6 U.G programme and 7 P.G programme.

- B.E. - Computer Science and Engineering
- B.E. - Electronics and Communication Engineering
- B.E. - Electrical and Electronics Engineering
- B.E. - Mechanical Engineering
- B.E. - Civil Engineering
- B.Tech. - Information Technology
- M.E. - Computer Science and Engineering
- M.E. - Communication Systems
- M.E. - Embedded System Technologies
- M.E. - Power Electronics & Drives
- M.E. - CAD/CAM
- 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 of conducive quality education.

## LOCATION

The college is located on the highway from Poonamallee to Avadi Main Road at a distance of about 1 Km from Poonamallee Bypass Road of the Chennai - Bangalore National Highway (NH4).



## EXHIBITION THEME

SA Engineering College sponsors this competition to encourage engineering students to become involved in a profession that is crucial to ensuring a sustainable future for our technology. This Project competition's aim is to encourage students to extend their knowledge. The final design level presented may be in a preliminary stage, as the competition's basic intention is to challenge students' imaginative thinking and creative engineering and technology approach to the building and all of its systems. Our aim is to encourage student creativity and innovation on an engineering concept. This hand's on competition is best suited for students that want to invent or optimize equipment technologies in order to solve market or societal problems. This design competition challenges the participants not only on the technical side, but also on conception and communication of details in order to share this technology with developing economies as well as the non-engineering community.

## THEME

The participants can demonstrate their Project expertise in several areas. Topics of interest include, but are not limited to

### Aeronautical

Fluid Dynamics and Propulsion, Automatic Control and Vibration Control, Structures and Materials.

### Bio Medical Engineering

Biomechanics and Bio-instrumentation, Bio Imaging and Image analysis and Patient Monitoring system

### Bio Technology

Industrial Bio Technology, Agro Bio Technology and Healthcare Bio Technology

### CIVIL

Sustainable Construction Material, Steel and Concrete Structures, Transportation Systems and water Resource Management

### CHEMICAL

Fluid dynamics, complex Fluids and multiphase phenomena Catalysis, Reaction Engineering and Reactor analysis and Optimization and Process Control

### CSE & IT

Network Security, DBMS and Data Mining

### ECE

VLSI System and Circuit Design Synthesis, Wireless Communication, Antennas and Multimedia Processing

### EEE

Power Electronics in Renewable Energy system, Industrial Automation Control, PLC and SCADA Power Systems

### Mechanical Engineering

Mechanics, Design, Manufacturing and Development and Robotics

### Micro & Nano Engineering

**Any innovation in the field of Engineering and Technology are invited**

## NATIONAL LEVEL PROJECT CONTEST

## PROJECT EXPO '15

Saturday 14<sup>th</sup> March 2015

### Registration Form

Name of the students : \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Address of the college : \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Title of the Project / Model : \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Features of Project / Model : \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Address for Communication : \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

Mobile :

E-mail :

Date :

Signature of the Principal