

## Organizing Committee

### CHIEF PATRON

Thiru.K.Shanmugham, Chairman  
Er.S.Prabahar, Vice Chairman

### PATRON

Dr.G.Kavitha Ph.D., Principal

### CONVENER

Mr.P.Ramalingam, HoD/CIVIL  
Mr.R.Boopathi, HoD/MECH

### EXECUTIVE MEMBERS

Mr.L.Prabu, AP/MECH  
Mr.E.ArunKumar, AP/MECH  
Mr.S.Venkatraman, AP/MECH  
Mr.M.Kandhasamy, AP/MECH  
Mr.A.Vinoth, AP/MECH  
Mr.M.Goudilyan, AP/MECH  
Mr.N.NavaneethaKrishnan, AP/MECH  
Ms.S.Sharmila, AP/MECH  
Mr.K.Mohan, AP/CIVIL  
Mr.S.Dharanidharan, AP/CIVIL  
Ms.S.Chitra, AP/CIVIL  
Ms.R.Deepavani, AP/CIVIL

### ADVISORY COMMITTEE

Dr.P.Sengottuvel Ph.D., Professor/MECH  
Prof.P.Murugesan, Professor/MECH  
Mrs.N.Vaishnavi, ASP/MECH  
Mr.J.Samcharles Deva Prasad, ASP/MECH  
Dr.Y.StalinJose, Professor/CIVIL  
Prof.S.Moses Aranganathan, Professor/CIVIL  
Mr.K.Parivallal, ASP/CIVIL

### ADDRESS FOR CORRESPONDENCE:

The Convener-"RTAST'17"  
Department of MECH and CIVIL Engineering,  
Sri Shanmugha College of Engineering and Technology  
Pullipalayam, Morur(PO),Sankari(TK),Salem (Dt).  
Pin: 637304  
**Mobile:** 9894717464, 9865640967  
**Fax:** 04283-261799  
**Email:** rtast17@gmail.com, sscetmechevents@gmail.com

## Registration Form National Conference On Recent Trends in Applied Science And Technology (RTAST'17) 22<sup>nd</sup> March 2017

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Name & Address of Organization  
\_\_\_\_\_

Mobile: \_\_\_\_\_

Email: \_\_\_\_\_

Educational Qualification: \_\_\_\_\_

Professional Experience: \_\_\_\_\_

Cheque / DD No. \_\_\_\_\_ Dated \_\_\_\_\_

for Rs. \_\_\_\_\_ Drawn in favor of "The Principal, Sri  
Shanmugha College of Engineering and Technology"  
Payable at "Tiruchengode".

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

Place: \_\_\_\_\_ Signature: \_\_\_\_\_

The Cheque /DD together with registration form should be  
sent to

Mr. L.Prabu, AP/Mech  
Mr. S.Dharanidharan, AP/Civil

### Conference coordinators

Department of Mechanical and Civil Engineering  
Sri Shanmugha College of Engineering and  
Technology, Sankari,  
Salem, Tamil Nadu-637 304.  
Phone: 04283-262999  
**Mobile:** 9894717464, 9865640967  
**Email:** rtast17@gmail.com,  
sscetmechevents@gmail.com

## NATIONAL CONFERENCE ON RECENT TRENDS IN APPLIED SCIENCE AND TECHNOLOGY (RTAST'17)

### 22<sup>nd</sup> March 2017

ORGANISED  
By

## FACULTY OF CIVIL & MECHANICAL ENGINEERING



## Sri Shanmugha College of Engineering and Technology

Approved By AICTE, New Delhi &  
Affiliated to Anna University, Chennai

Tiruchengode – Sankari Main Road,  
Pullipalayam, Sankari Taluk, Salem,  
Tamil Nadu-637304.

**Website:** [www.shanmugha.edu.in](http://www.shanmugha.edu.in)

### Knowledge Partners



## **ABOUT THE INSTITUTION:**

Sri Shanmugha College of Engineering and Technology (SSCET) has been instituted in the academic year 2011 – 12, with the sublime aim of providing engineering education with a marked difference and commitment to excel in teaching-learning and research. The faculty here are well experienced, seasoned and prolific academicians. SSCET is located in an extensive campus of about 100 acres on the state highway connecting Sankari with Tiruchengode. This institution is approved by All India Council for Technical Education (AICTE) and affiliated to Anna University, Chennai.

## **VISION:**

To be an institute of repute in the field of engineering and technology by implementing the best educational practices akin to global standards for fostering domain knowledge and developing research attitude among students to make them globally competent.

## **MISSION:**

- Achieving excellence in Teaching Learning process using state-of-the-art resources
- Extending opportunity to upgrade faculty knowledge and skills
- Implementing the best student training practices for requirements of industrial scenario of the state
- Motivating faculty and students in research activity for real time application

## **ABOUT THE DEPARTMENTS:**

The Department of Mechanical and Civil Engineering was established in the year 2011. The departments offers UG course (B.E) from the academic year 2011 – 12. The departments has highly qualified and experienced faculty members and the state of the art facilities for various laboratories, classrooms to support e-learning and department

library. Guest lectures and industrial visits are periodically arranged for the students to supplement their curriculum. We strive for all round excellence in students, encouraging them in all extracurricular activities.

## **OBJECTIVE OF THE CONFERENCE:**

The main aim and objective of the National Conference on “Recent Trends in Applied Science and Technology” is to bring together leading academic scientists, researchers, Engineers, Research scholars, Engineering Students and PG students from different universities, colleges and laboratories to exchange and share their ideas, experiences and research results about all aspects of Material, Design and Energy within Civil & Mechanical Engineering. Also discuss the challenges encountered and the solutions adopted, hence to augment their development and facilitate the emergence of new technologies in our country. Papers pertinent to the topic and are invited from all relevant disciplines.

## **REGISTRATION DETAILS:**

Research papers or surveys are expected from the participants. Authors are requested to send the soft copy of full length paper (MS Word and compatibles) in [sscetmechevents@gmail.com](mailto:sscetmechevents@gmail.com) in IEEE format.

The participants are also requested to confirm their participation in the conference by sending an e-mail to the coordinators on or before 20.03.2017.

The participants will be provided Accommodation inside the campus based on the availability.

## **ELIGIBILITY OF PARTICIPANTS:**

Research scholars, academicians, field engineers, corporate executives and students can participate in the conference.

## **REGISTRATION FEE DETAILS:**

₹ 300/- for UG Students

₹ 400/- for PG Students

₹ 500/- for Research Scholars/Faculty Members

₹ 600/- for Industrialists

The registration fees can be paid in cash or through crossed Demand Draft, drawn in favor of “The Principal, Sri Shanmugha College of Engineering and Technology”, Payable at “Tiruchengode”.

## **IMPORTANT DATES**

Paper submission date : 19.03.2017

Intimation of acceptance : 19.03.2017

Camera ready paper &

Conference registration : 20.03.2017

Conference Date : 22.03.2017

## **PUBLICATIONS:**

The selected papers will be published in conference proceedings special issue of international journal of engineering research and technology (IJERT).

## **TOPICS OF INTEREST:**

The topics of interest include (but are not limited to) the following:

### **MECHANICAL ENGINEERING:**

Applied Mechanics, Aerodynamics, Fluid Dynamics Structural Dynamics, Finite element method, Composite and Smart Materials, Nano technology, Tribology, Heat transfer, Advanced Machining processes, Material and Coatings, Energy Conservation, Renewable Energy Techniques, Alternative fuels, Fuel Cells, , CFD, CAD/CAM, Automation & Robotics and Automobile engineering.

### **CIVIL ENGINEERING:**

Modern Construction Techniques, Smart Structures and Materials, Transportation Engineering, Environmental Science and Engineering, Green Concrete, Composite Materials, Alternative materials for Construction, Geo Technical Instrumentation, Ground Improvement Techniques, Repair and Rehabilitation of Structures.