

**CSIR Sponsored  
A Two-day National Workshop on  
Theoretical and Computational  
Fluid Dynamics  
(NWTCFD-2018)**

**21<sup>st</sup> & 22<sup>nd</sup> December 2018**

**REGISTRATION FORM**

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

Gender : \_\_\_\_\_

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

Institution/Organization : \_\_\_\_\_

Mailing Address : \_\_\_\_\_

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

E-mail : \_\_\_\_\_

Registration fee details: DD / CASH

D.D. No.: \_\_\_\_\_

Amount & Date: \_\_\_\_\_

Bank: \_\_\_\_\_

Date :

Place : **Signature of the Participant**

Signature with seal  
Head of the Institution/Organization

**ORGANIZING COMMITTEE**

**Chief Patrons**

**Thiru G. Kamalamurugan,**  
President & Correspondent  
Erode Sengunthar Educational Trust

**Thiru S.N. Thangaraju,** Secretary  
Erode Sengunthar Educational Trust

**Patron**

**Dr. V. Venkatachalam,** Principal

**Conveners**

**Ms. P. Renuka,** Assistant Professor  
**Ms. R. Chitra,** Assistant Professor  
Department of Mathematics

**Co-ordinators**

**Dr. P.G. Palanimani,** Professor & Head  
**Dr. S. Senthivelavan,** Professor  
Department of Mathematics

**Co-Coordinator**

**Ms. M.S.Devimani,** Assistant Professor  
**Mr. S.S.Ananthan,** Assistant Professor  
**Ms. C. Kasthuri,** Assistant Professor  
**Ms. K.S. Rekha,** Assistant Professor  
Department of Mathematics



**CSIR  
SPONSORED**



**A Two-day National level  
Workshop  
on Theoretical and Computational  
Fluid Dynamics-NWTCFD-2018**

**Date : 21.12.2018 & 22.12.2018**

**Conveners**

**Ms. P. Renuka,** Assistant Professor  
**Ms. R. Chitra,** Assistant Professor

**Organized by**

**Department of Mathematics  
ERODE SENGUNTHAR ENGINEERING  
COLLEGE  
PERUNDURAI, ERODE – 638 057  
TamilNadu, India.**



## ABOUT THE HOST INSTITUTION

The institution was established in the year 1996 for the upliftment of urban and rural youth by the philanthropic visionaries of Erode Sengunthar Educational Trust. The institution has been approved by AICTE and permanently affiliated to Anna University, Chennai, accredited by NBA, New Delhi & NAAC, Bangalore with 'A' Grade and accredited by Institution of Engineers (India), Kolkata. The college offers Eight UG programmes in Engineering, Nine PG programmes in M.E., MCA and MBA. The college has sound infrastructure, complete and full-fledged, in all aspects. The college received funds from various funding agencies like DST, AICTE, MoES, ICMR, TNSCST, BRNS, CSIR etc. for the various Research and Development activities. The college is very near to the 'Tex cities' Coimbatore and Erode which are well-connected by trains. The college is well-connected by bus routes from Erode (25 km), Coimbatore (80 km) and Salem (80 km). The nearest Airport is at Coimbatore.

## ABOUT THE DEPARTMENT

The Department of Mathematics was established in the year 1996 with a vision to provide the students a strong foundation in basic and applied sciences. The Department endeavors to educate the students to acquire knowledge in Mathematics and physical sciences, to enable them to communicate and use their skills constructively for the benefit of the society. The department has an excellent team of faculty transforming the students into holistic personalities embedded with discipline, skills and responsibility that make them patriotic, successful and self developed professional ready to accomplish any job in their career and life.

## AIM & OBJECTIVES OF THE WORKSHOP

The objective of the workshop is to enable theoretical understanding, application and analysis of Fluid Dynamics to problems relevant to engineering and industry. With this focus, the workshop topic aims to open up greater options for research and to create awareness among young researchers about the challenging, growing field-CFD and to introduce CFD, fundamental principles and wide range of its applications.

This workshop provides a unique opportunity for in-depth technical discussions and exchange of ideas on range of topics related to CFD and explores the potential of their applications in science, engineering and technology.

The following are the some of the topics which are mainly discussed :

- ❖ Introduction to Theoretical Fluid Dynamics.
- ❖ Computational Fluid Dynamics and Two-Phase flows.
- ❖ Fundamentals of Nano fluid, bio-flows, Dusty Fluids, Micro Fluids.
- ❖ Numerical Techniques & Turbulence modeling, Steady State evaluation of Fluid Mechanics. Newtonian and non Newtonian Fluids.
- ❖ Industrial Applications of CFD.

## ELIGIBILITY FOR PARTICIPATION

Participants should be faculty, post-doctoral fellows, Graduate and Undergraduate students from Universities/Colleges. Also Industry persons.

## REGISTRATION FEE DETAILS

Faculty / Industry Persons : Rs.300/-

Research scholars/ Students : Rs. 250/-

The registration fees include seminar kit, certification of participants, lunch and refreshments.

**DD to be drawn in favour of :**

**"The Principal, Erode Sengunthar Engineering College"** Thudupathi, Perundurai – 638 057.

## IMPORTANT DATES

Submission of Registration Form : 13.12.2018

Intimation about acceptance : 18.12.2018

## ACCOMMODATION

Paid accommodation will be arranged to all the registered outstation participants on the first come first serve basis (on request). For details contact the Convener.

## ADDRESS FOR COMMUNICATION

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Ms. **R. Chitra**, Assistant Professor

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