

ELIGIBILITY

Academicians / Industrialists / Research Scholars / PG students from AICTE approved Engineering Colleges with relevant background.

REGISTRATION

Registration for this workshop can be done by sending a duly filled Registration Form along with the demand draft of **Rs. 1000** /- (per participant) in favour of “**The Principal Account IIPE, R.M.K College of Engineering and Technology**” payable at Kavaraipeetai, Tiruvallur District.

Registration fee covers Workshop Kit, Break fast, Lunch, Refreshment and Certificate. The maximum number of participants is restricted to 30 only. The participants are selected on first come first served basis

SCHEDULED DATES

Last date for receipt of Applications : 18.11.2017
Intimation of Selection : 21.11.2017
Confirmation by participants : 25.11.2017

Note: On - spot registration is not entertained.

ORGANIZING COMMITTEE

CHIEF PATRON

Shri R.S.Munirathinam, Founder Chairman
R.M.K Group of Institutions

PATRONS

Tmt.Manjula Munirathinam, Chairperson
Shri R.Jothi Naidu, Director
Shri R.M.Kishore, Vice Chairman
Dr.T. Rengaraja, Principal
Dr.S.Bhagavathi Perumal, Vice-Principal

CONVENOR

Dr.M.Balasubramanian, Professor & Head

COORDINATOR

Dr.P.K.Devan, Professor

CO - COORDINATORS

Mr.R.Ashok Kumar, Assistant Professor
Mr.K.Rajesh, Assistant Professor
Mr.S.Gopinath, Assistant Professor

All communications should be sent to:

HEAD OF THE DEPARTMENT

DEPARTMENT OF MECHANICAL ENGINEERING
R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY,

Puduvoyal, Gummidipoondi Taluk,
Tiruvallur District Tamil Nadu, India
Phone 044 - 33303638

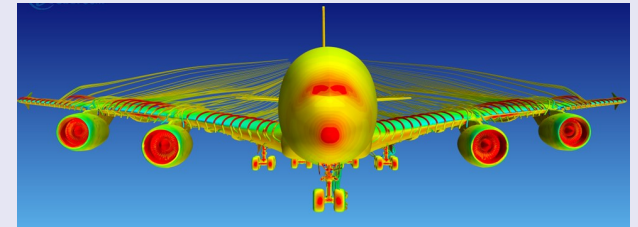
Mobile - 9790739133 / 9884848437 (After 05.00 p.m)

Email - Id: mechtechnex@gmail.com

NATIONAL LEVEL
TWO DAY WORKSHOP
ON

APPLICATION OF CFD IN SCIENCE AND ENGINEERING

01ST & 2ND DECEMBER 2017



COORDINATOR

Dr.P.K.DEVAN

CO – COORDINATORS

Mr. R.ASHOK KUMAR

Mr. K.RAJESH

Mr. S.GOPINATH

ORGANISED BY

DEPARTMENT OF MECHANICAL
ENGINEERING



R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY

Puduvoyal, Gummidipoondi Taluk,
Tiruvallur District, Tamil Nadu, India
Phone 044 - 33303555, 33303638

ABOUT THE INSTITUTION

R.M.K College of Engineering and Technology is promoted by Lakshmikanthammal Educational Trust, established in the year 2008 to render philanthropic and educational service to people living in rural areas bordering Tamil Nadu and Andhra Pradesh. The main objective of the trust is to foster quality technical and higher education, research and training in various branches of Engineering and Technology. The college is affiliated to Anna University and is certified under ISO9001:2015 by TUVNORD.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was started in the year 2010. In the subsequent year, the intake was increased to 120. The Department has latest version equipment catering to the needs of both academic and industry. The worth of the equipment alone cost around Rs. 2.2 crores. Thermal lab, Manufacturing Technology lab and CAD/CAM laboratories are well equipped with research facilities. The Department has highly qualified and dedicated faculty members with rich experience in academic and industry. The Department of Mechanical Engineering has constituted, a Centre for Composite Fabrication and Testing and Fuels Lab to undertake consultancy from the research community. This includes

- ❖ Composite Laminate Fabrication
- ❖ Testing of Composite Laminate
- ❖ Soxhlet Extractor
- ❖ Bio - Diesel Setup
- ❖ Pyrolysis Setup

INTRODUCTION

CFD Simulation is an engineering based scientific process module which runs on Computational Fluid Dynamics theory and is applied for resolving different fluid flow related problems like flow velocity, density, temperature, and chemical concentrations for any area where flow is present. CFD simulation is applied in various industries in order to achieve flawless product designing by combining computational tools and theory of fluid dynamics

CFD Solution/modeling is used in different industries for different analytical capabilities. Some of the prime industries where CFD simulation is frequently used are Aerospace / Aeronautics, Automotive or Automobile, Building HVAC (Heating, Ventilation, and Air Conditioning), Chemical / Petrochemicals, Energy / Power Generation, Manufacturing / Process Engineering, Product Design and Optimization, Oil and gas Industry, and Turbo Machinery, etc. In most of the instances, Computational Fluid Dynamics Modeling is used for deriving most accurate options for designing of any system.

RESOURCE PERSON

Dr. Anil Kumar Sharma is presently working as Senior Research Scientist at Indira Gandhi Centre for Atomic Research (IGCAR), Department of Atomic Energy (DAE), Kalpakkam. He is a Faculty member at Homi Bhabha National Institute Mumbai. He finished his Ph.D and M.Tech from IITM. His research Work was on numerical heat transfer and fluid dynamics. Dr. Sharma has more than 22 years of experience of carrying out Computational and Experimental thermal hydraulics.

CONTENT OF THE WORKSHOP

- ❖ Introduction to CFD and Broad application of CFD in Engineering and Science
- ❖ Application of CFD in Thermal Engineering
- ❖ Application of CFD in IC Engine
- ❖ Application of CFD in Aerodynamics

R.M.K. COLLEGE OF ENGINEERING AND TECHNOLOGY

RSM NAGAR, PUDUVOYAL - 601 206

National Level Two Day Workshop on

APPLICATION OF CFD IN SCIENCE AND ENGINEERING

01/12/17 & 02/12/17

REGISTRATION FORM

Name :

College Name :

Department :

Address :

:

Mobile No. :

E-mail :

Payment Details :

1) Demand Draft

Draft No : Dated :

Bank Name :

2) Online money transfer

Name of the Bank : Indian Overseas Bank
Branch : Kavarepettai
Account Holder Name : Principal Account IPE
Account Number : 062201000033026
IFSC CODE : IOBA0000622

DECLARATION

The above information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the course. If selected, I shall attend the course for the entire duration.

Place :

Date :

Signature of the Applicant