

Faculty Development Programme

on

Advances in Fluid flow and Heat Transfer

(15 – 19 July 2019)

Sponsored by



APJ Abdul Kalam Technological University

Organised by



Advanced Thermo Fluid Research Lab

Dept. of Mechanical Engineering

College of Engineering Trivandrum

Thiruvananthapuram

Kerala - 695 016

www.cet.ac.in

Co-ordinators:

Dr. Rajkumar M.R.

Prof. Saju Joseph.

Course Speakers

Dr. T Jayachandran (IIT Madras)

Dr. Suman Chakraborty (IIT Kharagpur)

Dr. Mayank Mittal (IIT Madras)

Dr. Ganesh Natarajan (IIT Palakkad)

Dr. Sameen .A (IIT Madras)

Dr Asirvatham Godson (Karunya Instiute)

Dr G Venugopal (RIT, Kottayam)

Dr S Anil Lal (CET)

Dr M.R. Rajkumar (CET)

Important Dates

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|-------------------------------|------------|
| Last date of application | 08/07/2019 |
| Intimation of selection | 10/07/2019 |
| Confirmation of participation | 12/07/2019 |

Address for Correspondence

Dr. Rajkumar M.R.,

Associate Professor,

Dept. of Mechanical Engineering,

College of Engineering Trivandrum,

Engineering College P. O.,

Thiruvananthapuram – 695 016

E-mail: rajkumar@cet.ac.in

Mob: 9947767470

Prof. Saju Joseph

Assistant Professor,

Dept. of Mechanical Engineering,

College of Engineering Trivandrum,

Engineering College P. O.

Thiruvananthapuram – 695 016

E-mail: sajujoseph@gmail.com

Mob: 808907808

About the Institute

College of Engineering Trivandrum College of Engineering Trivandrum was established in 1939 as the first engineering college in the then Travancore state. Over the past 79 years it has grown to the most sought after institute of engineering studies in the state of Kerala. The College has eight full-fledged engineering departments offering undergraduate, post-graduate and Ph.D. programmes under APJ Abdul Kalam Technological University. The College has more than 3500 students, 285 teaching staff and 290 non-teaching staff. Ever since the inception, the college has maintained its commitment to high quality education. It has a vast and strong alumni base, spread across the globe.

About the Department

The department of Mechanical Engineering College of Engineering Trivandrum (CET) established at the inception of the college (1939) is one of the major departments offering a variety of PG courses and research programmes in the areas of Propulsion Engineering, Thermal Sciences, Machine Design, Industrial Engineering, Automation and Financial Engineering. The Department offers exceptional opportunities for undergraduate and graduate study and research. Recently established research labs like Advanced Thermo fluid Research Lab, Advanced vibration lab and Micro fluids lab in the department are acting as the nucleus for modern research in the department. The institution has got a good rapport with the neighboring research organizations like VSSC, LPSC and other industries.

Objectives of the Programme

The proposed FDP provides the general awareness of advances in the area of fluid flow and heat transfer.

Course Content

- Introduction to CFD
- High Speed Flow heat transfer.
- Heat pipe technology
- Experimental data analysis
- Turbulence modeling and numerical techniques in heat transfer
- High speed flow visualization
- Inverse Heat Transfer
- Multiphase flow.
- Sports Aerodynamics

Resource Persons

The resource persons consist of faculty members from IITs, College of Engineering Trivandrum and other reputed academic institutes/Industries.

How to Apply

No. of seats is limited to 30. The application included herewith or in a similar format, duly recommended by the Head of the

institution should reach the coordinator on or before 28 June 2019. Advance copy of the application may be sent through e-mail. The selected candidates will be intimated through e-mail.

Eligibility

Only faculty members from KTU affiliated Engineering Colleges are eligible to apply.

Fee

There is no fee for participants from KTU affiliated Government/ Aided/ Govt. controlled Colleges

TA/Accommodation

Participants have to make their own arrangements for travel, boarding, and lodging. No TA/ DA will be given to the participants.