

### Sponsorship

Sri./  
Smt.....  
..... is an employee of  
our institution and he/she is hereby sponsored for the  
above training programme. The applicant would be  
permitted to attend the course, if selected.

Place: Signature of the  
Date: sponsoring authority

Office seal

### Important Dates

Last date of receipt of online application:  
**18/11/2019, Monday**

Intimation of selection by e-mail:  
**25/11/2019, Monday**

Course duration  
**December 2-6, 2019**  
**Monday to Friday**

Application form and more details of the STTP are  
available at  
[www.gectcr.ac.in](http://www.gectcr.ac.in)

### About the Institute

The Government Engineering College, Thrissur is a centre of technical excellence and is one of the most prestigious technical educational institutions in Kerala. The foundation stone of the college was laid by late Pandit Jawaharlal Nehru, the first Prime Minister of India, on 26<sup>th</sup> April 1958. The college campus is spread over an area of 75 acres and is located at Ramavarmapuram which is about 5 km from the heart of Thrissur town and about 6 kms from Thrissur railway station. The college is offering undergraduate courses in 8 branches of engineering and postgraduate and doctoral programme in many disciplines.

### About the Department

The Department of Chemical Engineering set up in 1962, was the first of its kind in Kerala offering B.Tech degree in Chemical Engineering. The department is also offering a post graduate course in Process Control and is an approved Research centre of the University of Calicut and Kerala Technological University.

### Address for Correspondence

#### Course Coordinators:

*Dr. Mercy Anna Philip, Assistant Professor*

Department of Chemical Engineering,  
Government Engineering College Thrissur

**Tel: +919446420873**

E-mail: [mercyannaphilip@gectcr.ac.in](mailto:mercyannaphilip@gectcr.ac.in)

*Prof. Ranjana R, Assistant Professor*

Department of Chemical Engineering,  
Government Engineering College Thrissur

Kerala, India. PIN 680 009

**Tel: +919846035870**

### Directorate of Technical Education

*Sponsored*



### Faculty and Staff Development

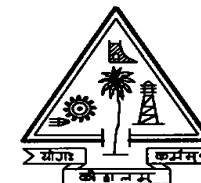
*Training Programme*

*on*

*Recent and Emerging Trends in Fluid*

*Mechanics Research*

*2<sup>nd</sup> to 6<sup>th</sup> December 2019*



**Department of Chemical  
Engineering**

**GOVERNMENT ENGINEERING  
COLLEGE, THRISSUR.**

*Course Coordinators:*

*Dr. Mercy Anna Philip*

*Prof. Ranjana R*

### Course Objective

Fluid mechanics is a fundamental branch of engineering science which deals with the behaviour of fluids whether static or dynamic. It has applications in wide range of disciplines. An understanding of fluids is essential not only for accurately treating problems in the movement of fluids but also for the study of heat flow and many separation processes that depend on diffusion and mass transport. The applications of fluid mechanics exist in almost all aspects of life. Research in fluid mechanics has advanced and has resulted in the emergence of a lot of new application fields. The focus of the programme will be on introducing the present research scenario in the field of fluid mechanics such as multiphase flow, computational fluid dynamics, modelling and simulation and some applications such as fuel cells, flow batteries etc. These had been topics of intensive research efforts in the recent years.

### Course Content

§ Present research scenario in fluid mechanics

§ Fuel Cells

§ Flow batteries

§ Computational fluid mechanics

§ Modeling and simulation

§ Multiphase flow

### Resource Persons

Experts in the area of Fluid Mechanics and allied fields from IITs, NITs and industries will be handling the sessions.

### Eligibility

This is an interdisciplinary programme. Faculty members of AICTE approved Govt./Aided Engineering Colleges are eligible to attend this programme.

### Registration Fee

There is no registration fee for the programme

### Travelling Allowance and Accommodation

Participants are eligible for TA as per FSDTC norms. Accommodation can be provided for the participants from Govt./Aided colleges on prior request.

### Selection

The number of participants is limited to 20. Selection will be on first come first serve basis.

Applications are to be submitted online through the link [www.dtekerala.gov.in/tpms/](http://www.dtekerala.gov.in/tpms/) on DTE's web site during 04/11/2019 - 18/11/2019.



### APPLICATION FORM

**Faculty and Staff Development Training  
Programme**

*on*

**Recent and Emerging Trends in**

**Fluid Mechanics Research**

**2<sup>nd</sup> to 6<sup>th</sup> December 2019**

1. Name :
2. Age :
3. Gender : Male/ Female
4. Qualifications :
5. Designation :
6. Department :
7. Organization :
8. Address for communication :
9. Phone :
10. Email :
11. Accommodation required : Yes/No

### Declaration by the Applicant

The above mentioned information is true to the best of my knowledge and belief. I agree to abide by the rules and regulations governing the course. I also undertake the responsibility to inform the coordinator, in case I am unable to attend the course.

Place:

Date:

Signature of the Applicant