



**GOVERNMENT ENGINEERING COLLEGE, THRISSUR**  
Department of Technical Education, Government of Kerala

**CERTIFICATE**

This is to certify that **DR. ABI T. G., Assistant Professor, Department of Chemistry, SH College Thevara** has handled the session as a resource person in the training program on ***Processing and Engineering of Drugs and Pharmaceuticals*** from 10/12/2018 to 14/12/2018, held at Department of Chemical Engineering, GEC Thrissur organised by the Government Engineering College, Thrissur.

Dr. Manju M S  
Co-ordinator

Dr. Sajeena Beevi B  
Co-Coordinator

Dr Jayanand B  
Principal



### IMPORTANT DATES

Last date of receipt of application : 30-11-2018

Intimation of selection by e-mail : 05-12-2018

Confirmation from participant : 07-12-2018

### ADDRESS FOR COMMUNICATION

1. Dr Manju M.S.,  
Assistant Professor,  
Department of Chemical Engineering,  
Government Engineering College Trichur,  
Thrissur, Kerala- 680 009  
Mob:+91 9995894962  
E-mail: manjupradeep@gectcr.ac.in
2. Dr Sajeena Beevi B.,  
Assistant Professor,  
Department of Chemical Engineering,  
Government Engineering College Trichur,  
Thrissur, Kerala- 680 009  
Mob:+91 9446317516  
E-mail: sajeena@gectcr.ac.in

### APPLICATION FORM

Faculty and Staff Development Training Programme

### Processing and Engineering of Drugs and Pharmaceuticals

10<sup>th</sup> to 14<sup>th</sup> December 2018

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

#### DECLARATION

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 that I will attend the course for the entire duration, if selected.

Place: \_\_\_\_\_  
Date: \_\_\_\_\_ Signature of the Applicant

#### SPONSORSHIP

Certified that Mr/Mrs/Dr .....  
.....is a permanent employee of this institution. He/she will be permitted to attend the course, if selected.

Place \_\_\_\_\_  
Date \_\_\_\_\_ Signature of Head of Institution  
(Office seal)



FACULTY AND STAFF DEVELOPMENT  
TRAINING CENTRE

GOVERNMENT ENGINEERING COLLEGE THRISSUR



Faculty and Staff Development  
Training Programme

on

PROCESSING AND ENGINEERING OF  
DRUGS AND PHARMACEUTICALS

10<sup>th</sup> to 14<sup>th</sup> December 2018



Organized by

DEPARTMENT OF CHEMICAL ENGINEERING  
GOVERNMENT ENGINEERING COLLEGE, TRICHUR

Sponsored by

DIRECTORATE OF TECHNICAL EDUCATION  
GOVERNMENT OF KERALA

### ABOUT THE INSTITUTE

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 about 5 km from the heart of Thrissur Town and about 6 km from Thrissur Railway Station. The college is offering undergraduate courses in 8 branches of engineering and post graduate and doctoral programme in many disciplines.

### ABOUT FSDTC

The Faculty and Staff Development Training Centre, Govt. Engineering College, Thrissur strives to improve, enhance and strengthen the process of learning, teaching and retention by inculcating proper methodologies in the system. The centre can provide a suitable platform for personal, academic and professional development of the faculty members and the supporting staff of Engineering Colleges in Kerala. The Centre takes up training programmes on the basis of detailed Training Need Analysis of the staff of engineering colleges in the state. Generally courses on Interpersonal Relationship, Communication Skills Computer Networking, E- governance, Stress Management etc are of vital importance in the present scenario, to enhance the efficiency of academic system.

### ABOUT THE COURSE

The proposed training programme is designed to create awareness among engineering/polytechnic college faculty about the advances in drugs and pharmaceuticals industries. Processing of drugs and pharmaceuticals involves several stages in which engineering expertise is essential. Equipments such as reactors, filters, pumps and piping are used to process pharmaceutical drugs in order to transform them into tablets and capsules. Every

step in the process is sensitive in environmental and safety point of view. Packaging of pharmaceutical tablets, capsules and syrups requires chemical engineering expertise. Through this programme the participants will have an opportunity to attain state-of-the-art knowledge on drug design and development, drug manufacturing and other issues related to the pharmaceutical industry.

### 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. Both B.Tech and M.Tech programmes of the department are NBA accredited. The department is an approved PhD centre of the University of Calicut and APJ Abdul Kalam Technological University. The core research areas of the department include water and wastewater treatment and materials engineering.

### COURSE OBJECTIVES

- To familiarize with the manufacturing practices in pharmaceutical industries.
- To impart the fundamentals of drugs manufacturing
- To contemplate on the ongoing research in pharmaceutical manufacturing
- To create an awareness about regulations and legislations in drugs discovery and manufacturing

### COURSE CONTENTS

- Good manufacturing practices in pharmaceutical industry
- Process control and Unit operations in Herbal Drugs and Pharmaceutical Industry
- Nanotechnology in pharmaceutical industry
- Regulations and legislations in drugs manufacturing.
- Molecular modeling and drug design
- Advances in drug delivery

### RESOURCE PERSONS

The various sessions of the training programme will be handled by eminent experts from different organizations.

### ELIGIBILITY

Regular faculty of Chemical/Mechanical/Civil/Biochemical/Biotechnology Engineering of AICTE approved Govt./Aided/Self-financing Engineering and Polytechnic Colleges in Kerala state are eligible to apply for this programme. Number of participants is limited to 20. Admission to the programme is on first come first serve basis.

### REGISTRATION FEE

No Registration Fee will be charged from the participants.

### TRAVELING ALLOWANCE

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

### HOW TO APPLY

Applications are to be submitted online through the link [www.dtekeral.gov.in/tpms/](http://www.dtekeral.gov.in/tpms/) of DTE's web site during 06/11/2018 - 30/11/2018

### COURSE COORDINATORS

Dr. Manju M.S.  
Dr. Sajeena Beevi B.