

Short Term  
Training Programme on  
**FOSS in  
Engineering Education**

**16 - 20 January 2017**

**REGISTRATION FORM**

Name :  
Gender : Male / Female  
Designation :  
Qualification :  
Contact Address :

Mobile No. :  
Email :  
Diet : Veg/ Non Veg  
Accommodation  
required : Yes/No

The information furnished above is true to the best of my knowledge and belief. If selected, I shall attend the course for the entire duration, I also take the responsibility to inform the co-ordinator well in advance in case I am unable to attend the course.

Place :  
Date : Signature of the applicant

**SPONSORSHIP CERTIFICATE**

Ms./Mr.....

(Name and designation) is hereby sponsored to attend the Short Term Training Programme "FOSS in Engineering Education" conducted at Government College of Engineering Kannur. He/she will be permitted to attend the programme for the entire duration, if selected.

Signature of (Office  
Head of the Institution Seal)

**HOW TO APPLY**

Duly filled registration form, endorsed by the head of the Department/Institution, should be send to the programme coordinator on or before 11<sup>th</sup> January 2017.

**CONTACT DETAILS**

**Coordinator**  
**Mr. Bineesh K.B.**  
Computer Programmer  
Govt. College of Engineering Kannur  
Mob. 9446465203  
bineeshkb@gcek.ac.in  
www.gcek.ac.in

**Important Dates**

Last date of receiving application  
11<sup>th</sup> January 2017

Date of intimation about selection  
12<sup>th</sup> January 2017

Workshop on  
16<sup>th</sup> to 20<sup>th</sup> January 2017

**FACULTY AND STAFF DEVELOPMENT TRAINING CENTER**  
**GOVT. COLLEGE OF ENGINEERING KANNUR**  
Mangattuparamba, Parassinikadavu - P.O ., Kannur



**SHORT TERM  
TRAINING PROGRAM**

**FOSS IN  
ENGINEERING  
EDUCATION**

**16 - 20 January 2017**

Sponsored by



**DIRECTORATE OF TECHNICAL EDUCATION**  
Government of Kerala

Organised by  
**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

ഗവ.കോളേജ് ഓഫ് എഞ്ചിനീയറിംഗ് കണ്ണൂർ

## ABOUT THE INSTITUTE

Government College of Engineering Kannur (GCEK) is one among the prestigious technological institutions under the Technical Education Department of Government of Kerala, and is located at Mangattuparamba, Kannur. The institute is affiliated to Kannur University and APJ Abdul Kalam Technological University. College offers UG programmes in Computer Science & Engineering, Electronics & Communication Engineering, Electrical & Electronics Engineering, Civil Engineering and Mechanical Engineering along with PG programs in ECE, EEE, ME and CE branches.

## INTRODUCTION

To use free software is to make a political and ethical choice asserting the right to learn, and share what we learn with others. Free software has become the foundation of a learning society where we share our knowledge in a way that others can build upon and enjoy.

Free and Open Source Software (FOSS) programs are those that have licenses that allow users to freely run the program for any purpose, modify the program as they want, and also to freely distribute copies of either the original version or their own modified version. In combination with the open license, this simplifies the development process for many enterprises and gives them flexibility that simply isn't available within the confines of a proprietary or commercial product.

Recently we have seen that FOSS lab being included by KTU in its curriculum mainly because of its cost-effectiveness, stability, reliability, flexibility and the freedom to modify it. Apart from this jobs are also on the rise. The

FOSS Lab syllabus has been framed to provide a hands-on training in the implementation of different FOSS tools which can be used for day to day tasks. Upon completion of this course, the participants will be well positioned to successfully manage Linux based systems for research and development.

## OBJECTIVES OF THE PROGRAMME

To expose the faculty to FOSS environment and enable them to handle FOSS lab in the curriculum of Kerala Technological University (KTU)

## EXPECTED OUTCOMES

After the successful completion of this training programme the participants will be able to:

1. Manage Linux OS and packages on your own system
2. Understand various Linux commands
3. Develop shell, Perl and AWK scripts for specific needs
4. Use of different open source tools
5. Perform application development, deployment.
6. Kernel configuration and compilation etc.

## TOPICS TO BE COVERED

The training will consist of hands-on practical sessions on the following areas:

1. Linux commands, package management and LAMP stack.
2. Shell Scripting
3. Perl and Awk Scripting
4. PHP Programming
5. Version Control System setup and usage
6. Kernel configuration, compilation and installation

## TARGET AUDIENCE

The training programme is open to faculties, System Analyst/Computer Programmer and Technical Staff from Govt., Aided, Self Financing Engg Colleges and Polytechnic Colleges. The total Number of participants are limited to 40, first come first served basis.

## PRE-REQUISITE

Should have prior knowledge about computer programming.

## RESOURCE PERSONS

Resource persons are drawn from academia as well as industries who have several years of experience in the area.

## DURATION OF THE PROGRAMME

5 Days [January 16 to 20, 2017]

## WORKSHOP DELIVERY MODE

Participants will be immersed in interactive sessions with hands-on labs after each topic

## WORKSHOP FEE

No Course Fee

## CERTIFICATE OF PARTICIPATION

Certificate of participation will be issued by Govt. College of Engineering Kannur to the participants those who are actively participating in all the training sessions.

## TA/DA, FOOD & ACCOMMODATION

Working lunch, Tea and snacks will be provided for all participants during the days of the workshop. **TA/DA will be provided as per Govt. norms to faculty and staff from Govt. / Govt. Aided institutions.**

Accommodation can be arranged on request.