

Resource Persons

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

Duration of the Programme

5 Days [July 24 to 28, 2017]

Workshop Delivery Mode

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

Workshop Fee

No Course Fee

Number of Seats

The number of seats are limited to 25 and registration is on first come, first served basis.

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, Food and Accommodation

Working lunch, tea and snacks will be provided for all participants during the days of the workshop.

TA will be provided as per Govt. norms to faculty and staff from Govt. / Govt. Aided institutions.

Accommodation can be arranged on request.

How to Apply

Duly filled registration form, endorsed by the head of the Institution, should be send to the programme coordinator on or before 20th July 2017. (Scanned copy of registration form may be send in advance to bineeshkb@gcek.ac.in)

Contact Details

BINEESH K.B.

Computer Programmer
Govt. College of Engineering Kannur
Mangattuparamba, Parassinikadavu P O
Kannur, Kerala - 670563
Mob : 9446465203
Email :bineeshkb@gcek.ac.in

Website

www.gcek.ac.in/networks

Important Dates

Last date of receiving application

20th July 2017

Intimation about selection

21st July 2017

Program On 24 - 28 July 2017



Global Perambra



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



Faculty and Staff Development Training Program

**Computer Networking
- A Practical Approach**

24 - 28 JULY 2017

Sponsored by



DTE KERALA
Directorate of Technical Education, Govt. of Kerala

Organised by

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
& FACULTY AND STAFF DEVELOPMENT TRAINING CENTER**

DEPARTMENT VISION

To be a centre of excellence in the field of Computer Science and Engineering education and research, which extends its appreciated services to the industry and the society.

DEPARTMENT MISSION

To develop engineers with excellent analytic, design and implementation skills, who can expertise themselves as computer professionals, research engineers, entrepreneurs or as managers, while fulfilling their ethical and social responsibilities, in a globally competitive environment.



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 college is affiliated to Kerala Technological University. It offers five B.Tech Degree programs in Civil, Mechanical, Electrical and Electronics, Electronics and Communication and Computer Science and Engineering branches. The College also offers four M.Tech programs in Civil Engineering (Computer Aided Structural Engineering), Mechanical Engineering (Advanced Manufacturing and Mechanical Systems Design), Electrical and Electronics Engineering (Power Electronics and Drives), and Electronics and Communication Engineering (Signal Processing and Embedded Systems).

There are 3 research centres offering Ph.D programs in Civil, Mechanical and Electrical Engineering under Kannur University. Doctoral programs are also offered under Kerala Technological University. The institution is recognized by Kerala Technological University as a Centre of Excellence in Systems, Energy and Environment'. Research works are also carried out in technical collaboration with Delft University, The Netherlands. The institution has about 50 % Ph.D qualified faculty leading the teaching and research.

Introduction

As enterprises migrate toward controller based architectures, the role and skills required of a core network engineer are evolving and more vital than ever. To prepare for this network transition, the knowledge in *Routing and Switching* is essential.

Networking technologies underlie all IT activities and a strong comprehension of the hardware and protocols used to create networks is essential to future success. In this course, you will learn how to configure a workstation to connect to a network, examine switch and router configurations, perform basic IPv4 and IPv6 addressing and subnetting, and research network security solutions.

Objectives of the Programme

To expose the faculty to different areas of practical networking like,

- Design and implementation of a practical network.
- Install, configure and operate routers and switches.
- Troubleshoot medium scale networks comprising of Cisco equipment.
- Working with wide area networks (WAN) and having knowledge of WAN concepts and terminologies.
- Implementing and verifying connections between remote sites existing in a Wide Area Network.

- Mitigate basic security threats faced by a network.
- Work with network protocols including but not limited to IP, EIGRP, Serial Line Interface Protocol Frame Relay, RIPv2, VLANs and ACLs etc.

Topics to be covered

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

- Fundamentals of Networking
- IPv4
- Subnetting
- Basic Configuration of Router
- Security in Router
- Static Routing
- Default Routing
- Dynamic Routing
- Routing Protocols
- Configuration of Switch
- Vlan
- Spanning Tree Protocol
- Inter VLAN
- Introduction to IPV6
- IPV6 router configuration
- IPV6 routing protocols

Target Audience

The training programme is open to all faculties, System Analyst/Computer Programmer and Technical Staff from Government, Aided, Self Financing Engineering Colleges and Polytechnic Colleges. The total number of participants is limited to 25.