DATE: 01st Mar 2018

From,

Deeksha M
Assistant Professor
Dept. of CSE
A.I.E.T, Mijar

Through,

The H.O.D.
Dept. of CSE
A.I.E.T, Mijar

To,

The Principal
A.I.E.T, Mijar

Respected Sir,

SUBJECT: - Requisition to attend a workshop

As per the above subject, I seek your permission to attend a workshop on "Introduction to software defined network" in NITK, Surathkal from 26th to 30th Mar 2018. Kindly do the needful.

Thanking you,

Yours Sincerely,

(Deeksha M)

Permitted

1/3/18

H. O. D.
Dept. Of Computer Science & Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

PRINCIPAL
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K

Application for Permission to Attend
Conferences/Seminars/Workshops/FDP and Paper Presentation

1. Name of the staff : Duksha M
2. Designation and department : Assistant Professor.
3. Name of the conference/seminar/FDP : Introduction to S/W defined N/W
4. Type of conference(national/state level) : -
5. Place of conference : NITK, Suratkal
6. Date of conference : 26/03/2018 - 30/03/2018
7. Title of the paper submitted : -
8. Mention the items enclosed :
   a. copy of the brochure (Yes / No)
   b. copy of invitation letter (Yes / No)
   c. acceptance letter (Yes / No)
9. Rough estimate of expenditure (total) :
   a. Registration fees
   b. Bus/train/air fare : 5000/-
10. Details of previous workshop attended : -

Date: 3/03/2018

Signature of the applicant

Recommendation of the HOD

30/3/2018

H.O.D.
Dept. Of Computer Science & Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

Signature of the Principal

PRINCIPAL
Alva's Institute of Engg. & Technology,
Mijar, MOODBIDRI - 574 225, D.K

National Institute of Technology Karnataka
Surathkal

Ministry of Human Resource Development
Government of India

सत्यमेव जयते

GIAN
GLOBAL INITIATIVE OF ACADEMIC NETWORKS

GLOBAL INITIATIVE OF ACADEMIC NETWORKS

Certificate of Participation

This is to certify that **Ms. Deeksha M.** from **Alva's Institute of Engineering and Technology, Moodbidri** participated in the MHRD Supported **GIAN Advance Level Course on Introduction to Software Defined Networking** from **26th** to **30th March 2018** held at Department of Electronics and Communication (E&C) Engineering, National Institute of Technology Karnataka (NITK), Surathkal, Mangalore, Karnataka, India.

Dr. K. Narayan Prabhu
Local GIAN Coordinator
NITK Surathkal

Course Coordinator
NITK Surathkal

Prof. U. Shripathi Acharya
Head, Dept. of E&C Engg.
NITK Surathkal

Department of Electronics & Communication Engineering
NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA
SURATHKAL, SRINIVASNAGAR - 575025
KARNATAKA, INDIA

Date: 30-03-2018

Fee Receipt

Received with thanks a sum of Rs. 5000/- (Rupees Five Thousand only) from **Ms. Deeksha M.**, Alva's Institute of Engineering and Technology, Moodbidri as registration fee for the MHRD Supported GIAN Advance Level Course on Introduction to Software Defined Networking held during 26th to 30th March 2018 in the Department of Electronics & Communication Engineering, NITK Surathkal.

Dr. Pathipati Srihari
Course Coordinator & Assistant Professor
Dept. of E&C Engineering
NITK Surathkal

Phone: (+91)-824-2473515
Fax: (+91)-824-2474033
email: srihari@nitk.ac.in
srihari.js@gmail.com

Report

Introduction to Software Defined Networks

Managing networks is becoming increasingly complex. This has fostered research in the area of network management and led to the development of new approaches to efficiently manage networks. Software Defined Networking (SDN) is a promising approach, focusing on efficiently managing networks by using a logically centralized control plane. It is an emerging architecture, cost effective and highly suitable for managing networks, especially datacenters. Network Function Virtualization (NFV) is another new technology enabling network services to be provided as software running in Virtual Machines (VM) or containers instead of having purpose-built hardware appliances for each network resident function. Recently, there has been considerable focus on adopting SDN and NFV for efficiently managing the network and the services they provide. Both these technologies are crucial in managing complex networks and services (e.g., Data Center Networks and Cloud Services). The physical separation of the network control plane from the forwarding plane, and where a control plane controls several devices.

The course dealt with the fundamentals of Software Based Networks: SDN and NFV, Motivation for SDN and NFV, Advantages and challenges of SDN and NFV. Day 2: Concepts on Components of SDN were discussed and hands-on session was conducted. Day 3: Discuss SDN protocols (e.g., OpenFlow), programming models (e.g., P4), simulation and modeling tools (e.g., ns-3, Mininet) and open source platforms (e.g., OpenNetVM) for studying and analyzing the effectiveness of SDN and NFV. Day 4: Discussed the concepts on NFV concept virtualization, VNF, NFV infrastructure, CORD architecture was discussed followed by hands-on session. Day 5: Provide exposure to SDN and NFV implementation issues and their solutions through case studies and demonstrations.

Deeksha M.

ALVA'S EDUCATION FOUNDATION (R.)

MOODBIDRI - 574 227, D.K.

No. :

DEBIT / CREDIT VOUCHER

Date 01/03/2018

Sl.No.	Particulars	College Code	Debit (₹)	Credit (₹)
a	Workshop - registration fee	AL	5000/-	
b				
c				
d				
e				
	PAYABLE / RECEIVABLE		5000/-	
	TOTAL		5000/-	

Rupees Five thousand only

Narration Ms. Deeksha M.

Assistant Professor, Dept of CSE, ACET

Prepared by

Principal

A.O.

Authorised by

Receiver's / Remitter's Signature

Alva's Institute of Engg. & Technology, Mijar, MOODBIDRI - 574 225, D.K

Dept. Of Computer Science & Engineering
Alva's Institute of Engineering & Technology
Mijar, MOODBIDRI - 574 225