

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Course Content

India's Biggest Networking Championship (IBNC) workshop on Cisco Networking

DAY : 1

The event took place at Smt Rajalakshmi Jayaraman Seminar Hall on 17th, 18th & 19th of March, 2015 from 8.15am to 5pm. The event started by an opening ceremony by Dr.M Shivakumar. Dr.M Pauline (HOD, dept of CSE) has given an Introduction of the event and trainers were introduced by Situna and Tanushri (6th sem students). 180 students from various departments of MVJCE have participated. Trainers were Mr.Kalyan, Mr. Sai, Mr Deepak & Mr. Manish. Mr.Kalyan explained the basics of computer networks, Networking fundamentals and networking devices in detail. After that there was refreshment break.

Then Mr. Kalyan gave the detailed information about OSI Model in that all the layers of OSI, then he explained about difference between OSI and TCP/IP. He also explained the concept of IP Addressing ,CIDR & VLSM by giving many example IP address. He also explained how to find the 1st and last network address and broadcast address. Then we had a lunch break.

After lunch he explained about IOS basics and explained how the live working of real devices from CISCO,telnet,secure shell,Networking/Simulation basics in detail and in an interactive way.Then he explained about configuration of application layer protocol like DHCP,DNS.Then we had a refreshment break. After break the practise session i.e. Hands on session using packet tracer software. And ended the first day workshop.

DAY : 2

Day 2 started with participants asking doubts about day 1 session and all trainers including assistant trainers cleared the students doubts.Then Mr. Kalyan Introduced the routing protocols and live configuration -Static, Default and dynamic routing in an interactive way and giving real time examples..

DAY : 3

Day 3 we had a Practise time- hands on session on devices,in that he explained how to configure devices and how to connect routers ,switches and end users in the packet tracer

software. Then he explained the topic Switching, working of a switch, MAC table building process VLAN, inter VLAN, VLAN trunking protocol, spanning tree protocol in detail and in an interactive way. Then we had Lunch Break

Then he explained about IPv6 and Difference between IPv4 and IPv6 and also how to represent the IPv6 address. Then we had a Competition, in that we had 2 rounds. In first round, it was practical session in that 25 people got selected then for selected people he took theory exam by giving descriptive type questions. From that the winners are selected.

The Workshop comprised with following themes:

Day -1

Networking Fundamentals & Networking Devices OSI Model, OSI v/s TCP/IP IP Addressing, CIDR & VLSM

IOS Basics, LIVE WORKING of REAL DEVICES, Telnet, Secure Shell, NETWORKING/SIMULATION SOFTWARE BASICS Configuration of Application Layer Protocols-DHCP, DNS

Day -2

Introduction to Routing Protocols & Live Configuration-Static, Default & Dynamic Routing SWITCHING: Working of a Switch, MAC Table Building Process,

Day-3

VLAN, Inter-VLAN, VLAN Trunking Protocol, Spanning Tree Protocol IPv6

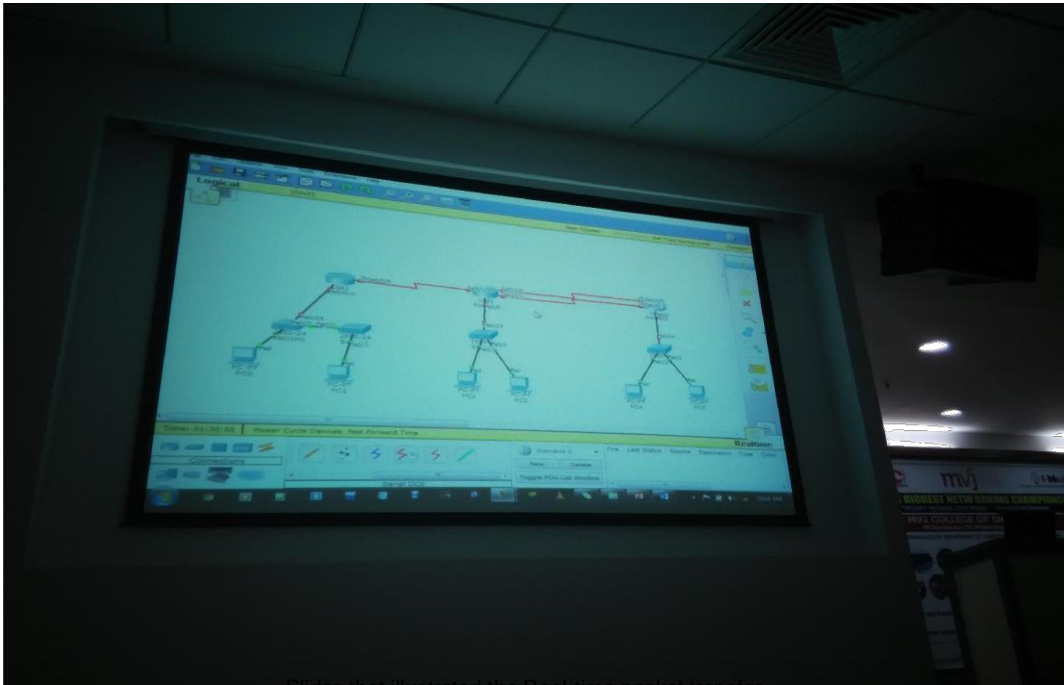
Advisor of MVJCE addressing the students.

The

Cisco speaker at the workshop interacting with students. The Speaker used PPT presentation for better clarity on the topic he spoke.



Students involving themselves in Hands-on Session.



Slides that illustrated the Real-time packet transfer.



CISCO trainers interacting with students, clearing their doubts.

The Selected Winner Details are:

1. Anubhav Arukia
2. Raushan Gaurav
3. Siwalik Mukherjee
4. Aakash A.Punekar
5. Shrusti- 9036019841
6. Amit kumar

The selected students will attend final round at IIT Delhi.

At the end of this 2 days workshop the students got the idea about recent networking technologies and Computer Networks is the subject in the academics. Since there is no lab this subject, this workshop will help the students to know about the networking technologies and how they are implemented in real time. With the help of this workshop the gap between curriculum and Industry is filled, We have attained the PO's **Conduct investigations of complex problems, Modern tool usage, The engineer and society, Environment and sustainability, Lifelong learning.**

This Workshop on Networking has provided an ability to understand analyze and develop computer programs in the areas related to networking for computer based systems of varying complexity.

The practical sessions have helped the students to find solutions for real world problems with a broad range of programming languages and open source.

Students name list:

PHYSICS CYCLE

NAME OF THE STUDENT
Prakhar Vighnesh
Praveen Kumar C
Soumyadip
Yashawanth R
Vikram Purohit
Syed Atif Ahmed
Sushith Rai
Akarsh V. Hebbar
Arjun Goel
Chandan M S
Akash Nambiar
Arunima Ray
Shivam Nayak
Ankit Kumar
Anuj Kushwaha
Gaurab Ganguly
Bhaskar Jha
Shubham

CHEMISTRY CYCLE

NAME OF THE STUDENTS
Nandeesh

MECHANICAL DEPARTMENT

NAME OF THE STUDENTS
Suraj K S
Vishal
Saptarshi Sarkar

AERONAUTICAL DEPARTMENT

NAME OF THE STUDENTS
Santosh B

INFORMATION SCIENCE

NAME OF THE STUDENTS
Divya Unni
Divyashree S
Indushree A
Srusti C Velur
Smitha M
Srushti D K
Vishal P
Nisarga P
Haren
Karthik K

CSE DEPARTMENT

NAME OF THE STUDENTS
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Kavya K
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Anitha R
Meenakshi
P. Joesphine
Roushan Sabha
Gurunatha Reddy
Kunal Singh
Nikhil Reddy
Nithesh
Raj Vighnesh
Amrutha
Anitha R
Arijit Banerjee
Aakash A Punekar
Abhishek Acharya
Aishwarya R
Akash Sharma
Amogha H R

Ankita Das
Anubhav Arukia
Anusha M S
Anwasha Das

Ayesha Sumrin S
Bhavani L
Bhavya S
Bhanupriya Rai
D.Swapnesh
Deepak Kumar Ram
Deepika
Dhanya V
Divya C K
Divyashree N
Girish N
Grishma Pradhan
Guruprasad Rane
Guruprasanna H

Monica C H
N Meghana Reddy
Pawan Kumar R
Pavan Kumar B
Pradeep Kumar B S
Najma
Shresth

EC DEPARTMENT

NAME OF THE STUDENTS
Akhilesh
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Dharamvir
Divyam Nayyar
Harshita R.
Jayanth A
Aakash s
Abhijeeth
Theja
Yamini
Shwetha K
Annapoorna
Bharath Kumar K
Jagjit Singh
Zohara
Sunil Kumar K
Trisha Saloni
Vijay Raj
Saurabh Mishra
Shree Harsha
Mansoor Pasha

TELECOMMUNICATION DEPT.


NAME OF THE STUDENTS
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Aneesh Harish Kumar
Achyut Pramod
Pooja M
Pooja N V
R. Naren
Rini Samuel
Sardendu
Saurabh S J
Suvash Deb
Shwetha R.
Harsha v Nair
Ganapathy A.A

Harshitha P
Hemanth R
Jesvin Thomas
Sharmila
Shaya D
Supriya B R
Karthik H R
Lavanya G
Ankit Kumar
Lava Kumar
Tanushri G
Situna kushal
Ajay Poudyal
Sanju N J
Sharath R
Shristi Bose
Shwetha R V
Sivaranjini S
Siwalik Mukherjee
Smriti Singh
Soham Krishna G
Sohini Pal
Suma R
Sushma K
Sushma M Pai
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Vedika
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Aayush Tripathi
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Chandana M
Kovida

Vidhydhar Shetave
Rudresh
Sindhur K S
S. Rakshit
Sandeep
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