1 Day Workshop Curriculum on Internet Protocol

**Venue:** EDUSAT LAB (TIFAC CORE 3rd FLOOR)

**Program Dates:** 29th March 2014

**LAB:** Hands on lab will be provided for each participant. 1 Device : 3 Students sharing

**Course Fee:** Free

**Internship Opportunity** - 5 Top Performers would be given a Internship program of 2 months (Full Time)

**Day Wise Schedule**

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<th>Day</th>
<th>9 to 11am</th>
<th>Break</th>
<th>11 to 1pm</th>
<th>Lunch</th>
<th>2 to 4pm</th>
<th>Break</th>
<th>4 to 6pm</th>
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<td>1</td>
<td>OSI Layers, IPv4 Header</td>
<td>IPv4 Addressing &amp; Subnetting</td>
<td>Router Commands</td>
<td>IPv4 Configuration LAB with Packet Capture</td>
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**Topic Brief**

**OSI Layers**

The Open Systems Interconnection (OSI) model is a conceptual model that characterizes and standardizes the internal functions of a communications system by partitioning it into abstraction layers. The model groups similar communication functions into one of seven logical layers

**IPv4**

Internet Protocol version 4 (IPv4) is the fourth version in the development of the Internet Protocol (IP) and the first version of the protocol to be widely deployed. It is one of the core protocols of standards-based internetworking methods of the Internet, and routes most traffic in the Internet.

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IPv4 Addressing and Subnetting
IPv4 uses 32-bit (four-byte) addresses, which limits the address space to 4294967296 addresses. How IPv4 Addressing is allocated would be discussed in detail

Router Commands
This chapter introduces the various Routers and its basic configuration with hands on lab

Trainer Profile - Baldev Krishnamurthy

Baldev Krishnamurthy has over 13+ years of Experience in IT, He has handled several roles and responsibilities in his career such as Technical Trainer, Sr. Security Analyst, Lead – Network Engineering etc.. Currently he is the Managing Director for A2B2 IT Services and 128 BITS Technologies

International Certifications

Training Experience
Have trained more than 4200+ participants on Networking Technologies such as SSL VPN, Firewall, F5 Load balancer, IPv6 Essentials, IPv6 Advanced, Routing and Switching

Trainer Profile - Kanimozhi A

Kanimozhi has 2+ Years of Experience and had trained more than 300+ Candidates on Networking

Trainer Profile - Kannan R

Kannan has a year of Experience and builds the Network Labs. He is a Linux Enthusiast and has good knowledge on IPv6, Linux, Cloud Computing

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