

### **“Network Administration Level 1”**

The course is designed in keeping the standard operational skills required by the industry for the following positions also it is a value addition certification course for the students.

1. Network Level 1 Engineer
2. Desktop Engineer
3. Basic for CCNA /CCNP/MCSE/CEH/
4. Practical Exposure to Engineering Computer Network Subject.
5. A+ Level of expertise

**Target Audience:** B.E/ B.Tech/B.sc/Msc/ MCA / Diploma in CSE/IT/ECE (students of this course may also apply)

**Batch Size:**25

**Topics covered:**

**Module :** Basic Networking

Introduction to Computer Hardware -assembling– Number System –IP Addressing- MAC address – Type of IP Address – Sub netting –Introduction to Network –ping –trace route – TCP- UDP- Layers – OS installation-mail client configuration , creating small office network.

**Module :** Routing and Switching

Networking Devices – Router Introduction – Basic Commands – Memory Management – Technology- LAN-WAN- NAT-Access List- Static Routing – Dynamic Routing -Load Balancing- EIGRP –Enabling- Metric Calculation-Topology table –neighbor-DUAL-Authentication- Redistribution- OSPF- Enabling- Database-behavior in different Network environment-NBMA-BMA-PPP-DR-BDR-Stub-OSFP Malty Area- Database Exchange- Introduction of IPv6- IPv6 Address Scheme-Address Types-Static and Dynamic Routing-ipv6-ipv4 tunneling- Basics Switching-Learning-Forward /Filter/Loop avoidance – VLAN-Inter VLAN-DTP- HSRP-STP-Ether Channel-VTP-Port Security-VRRP-GLBP.

**Duration:** 24-10-2016 to 28-10-2016

**Timing:** 9.30 Am to 5.30 Pm

**Venue & lab:** IT LAB , NIELIT, Chennai Centre

**Course fee:** Rs.5153/-

- Registration fee is non-refundable
- Full tuition fee is waived for limited no. of SC/ST candidates

**Course in-charge:** S.Girirajan, Scientist ‘B’

Email ID : giri@nielit.gov.in

Phone: 24421445, Ext.:210

- ❖ For special/weekend batches, contact course in-charge

**How to apply:**

- ❖ Registration needs to be done at our Centre before by bringing the following:
  1. Duly filled in registration form
  2. Course fees
  3. Copy of identity proof
  4. Attested copy of community certificate (if availing SC/ST fee concession)

**Mode of payment:**

- ❖ Course fee may be paid by any one of the following modes:
  1. Cash
  2. DD drawn from a nationalized bank (preferably SBI) in favour of "NIELIT Chennai" payable at Chennai.