Broadband Faculty

Broadband Faculty is engaged in the conduction of training programs in various fields of data communication viz. Advanced Networking Techniques, MPLS-VPN, Broadband Technologies and latest internet protocol IPv6.

In past, Broadband Faculty has conducted assorted programs on IPv6 for participants belonging to Central Government, State Governments, PSU's like Indian Army, SAIL, Air India etc. in addition to DOT sponsored IPv6 Awareness Workshops conducted at pan India level.

ALTTC, being an ITU Center of Excellence for Wireless and Fixed Broadband, Internet of Things and Cyber Security in Asia Pacific region for cycle 2019-2022, giving more focus on delivering training of international Character. Recently, Broadband Faculty has conducted face to face ITU training programmes on "**Evolution and Emerging Trend of Broadband Access Technologies**" and "**Broadband Network Security: Challenges and Solutions**" for one week each at ALTTC and one week **international CTO course on "Mobile IP"** in Mauritious by Sh. Naresh Singh, AD(BB).

In the past, Broadband Faculty has also conducted face to face ITU training programmes on "IOT Technologies & Applications for Smart Cities" for one week at ALTTC and on "Cyber Security" for one week in IRAN and also courses for ASEAN on "Advanced Networking Techniques" for 3 Weeks and "Data Networking" for BSF for 3 weeks. In addition to trainings to BSNL staff, Broadband Faculty also conducts customized training in the field of IP, MPLS-VPN and Broadband for various government departments, PSUs, Private organizations.

Laboratories: Broadband faculty is having three live well-equipped labs for hands-on practice trainings.

- **Broadband Lab:** Juno MX480 MSR as BNG supporting all types latest data services, Net Ring 1000R Switches as Tier-I & Tier-II RPR Switches, Aggregation Network Elements as OCLAN Switches, Access Network Elements as DSLAMs & OLTs of different vendors, e.g., M/s UTStarcom, M/s Huawei, M/s Nokia Siemens, M/s ZTE etc.
- **MPLS-VPN Lab:** Cisco Gigabit Switching Routers (GSR), Cisco 2500 Series Routers.
- **Internet lab:** IPv6 Lab Set up DHCP6, DNS6, traffic generator, Analyzer and Dual Stack Routers.

MPLS VPN LAB   **Broadband Network LAB**

The list of courses is enclosed.

      Along with this, Broadband Faculty conducts customised courses as per the requirement of customers.

In case you need any further information in this regard, kindly contact:

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Commercial Courses on Data Networking

Sl. No.	Name of the Program	Duration
1.	IP MPLS and MPLS VPN	2 Weeks
2.	Advance IPV6	1 Week
3.	Broadband Technologies, Components and Services	1 Week
4.	IPv6 Migration Techniques	3 Days
5.	Backbone Routing Protocol Implementation	1 Week
6.	Dual stack ILL Commissioning and Migration	3 Days
7.	Router Configuration & IP Routing Protocols	1 Week
8.	Advance Networking Techniques	1 Week

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