

Day-01: Why Using FTTx Technology?

- What FTTx?
- Disadvantages of traditional network.
- Advantages of FTTx network.
- History of PON Technology.
- What is GPON/EPON Technology?
- Difference between GPON and EPON?
- GPON and EPON Network selection.

Day-02: Optical budget.

- Optical Fiber Diagram of FTTx Network.
- Budget calculation of Optical Fiber.
- Optical Fiber Splitting Ratio
- Wavelength plans.

Day-03: OLT Configuration.

- OLT Basic Configuration.
- ONU authentication Manual.
- Vlan Configuration.
- OLT Remote management.
- ONU Auto Configuration.
- PON Port Protection.
- LACP/RSTP Configuration.
- NTP/SNMP/ACL/IGMP Service Enable.
- OLT Upgrade.
- Configuration File Backup.

Day-04: ONU Configuration.

- ONU Vlan Configuration.
- ONU Bandwidth Managed.
- ONU to ONU User connection.
- Wi-Fi ONU Configuration.

Day-05: Troubleshoot for OLT network.

- OLT Log analysis.
- PON and ONU Power checking.
- Loopback detection and DHCP Snooping checking.
- OLT Logging User Management.