



Design and Implementation of a Practical GPON-POL

Course Name:	Design and Implementation of a Practical GPON-POL
Course Duration:	20 hours
Requirements:	Switching WAN Interconnection
Who should take this Course:	Network administrators Network designers Network engineers Solutions designers

Syllabus Course

- Introduction to FTTX
- GPON network environment
- GPON Networks Architecture
- GPON Topology and Technology
- GPON Network Layers
- Network Planning and Design
- Strategic network planning
- High-level network design
- Low-level network design
- GPON Power Budget Calculation
- Traditional LAN vs Passive Optical LAN
- Traditional LAN architecture versus Passive Optical LAN architecture
- Converting Traditional LAN to Passive Optical LAN
- Active Equipment
- PON Standards
- OLT Types
- ONT Types
- Switching Plan and configuration



- PON plan and configuration
- ONT Profiles
- EMS and ACS
- Maintenance