

**FULL FIBER CERTIFIED TECHNICIAN****Fiber Theory/Optical Fibers**

- Single-mode Multimode
- New Generation Fibers
- Optical Transmitters
- Optical Receivers
- Light wave Systems
- Optical Amplifiers
- Dispersion Management
- Multichannel Systems
- Soliton Systems
- Coherent Light wave Systems
- Planning fiber optics networks

**Cables**

- Indoor/Outdoor
- Special Types

**Connectors**

- Single-mode Connectors
- Multimode Connectors
- SFF Connector Styles
- Connectorization Process
- Reflection and Polishes
- Attenuators and Terminators
- Cleaning and Inspection

**Splicing**

- Fusion
- Mechanical
- Cleaving Tool
- Cable Management
- Patch and Splice Panels
- Distribution Panels
- LAN Panels
- Splice Closures
- Hubs and Pedestals
- FTTx Products

**Installation**

- Outside Plant
- Underground / Aerial
- Premises / LAN

**Test Equipment and Testing**

- Optical Time-domain Reflectometers (OTDRs)
- Optical Loss Test Sets

- Visual Inspection Equipmentt
- Dispersion Testers

**Optical Testing**

- Premises Testing
- Outside Plant Testing
- Systems Testing

**Restoration/Maintenance**

- Outside Plant Premises
- Emergency Restoration

**Safety Design**

- Sources / Detectors
- Repeaters / Amplifiers
- Passive Devices

**WDM / DWDM / CWDM**

- System Design
- Loss Budgets
- Integration
- Standards

**Systems Overview**

- Ethernet
- HDTV / CATV / CCTV
- SONET / ATM
- FTTx/PON

**Safety Meeting Splicing**

- Fusion / Mechanical
- Fiber Handling
- Fiber Cleaving

**Connectorization**

- Multiple Bonding Methods
- Visual Inspection / Cleaning
- Cable Assembly Testing

**Cable Preparation**

- Loose Tube Cables
- Distribution / Breakout Cable
- Patch Panel Preparation
- Splice Closure Preparation
- Mid-Entry Practices

### **OTDR Operation**

- Acceptance
- Testing Span
- Testing / Splice Loss
- Reflection Testing
- Emergency Restoration
- Troubleshooting
- Documentation / Records

### **Practical**

- Fiber Splicing
- OTDR Operation
- Power Meter Usage
- Fiber Optics Deployment

### **➤ REQUIREMENTS:**

- **Personal computer**
- **Safety Ware**
- **Smartphone**

**MODULE COST: 400000UGx(105USD)**