

COURSE DESCRIPTION

COURSE TITLE

FTTH Training

COURSE NUMBER

PTFS 020

TARGET AUDIENCE

People who has an access to daily cellular telecommunication maintenance and operation activity

PREREQUISITES

Students attending this class must have fundamental electrical and telecommunication knowledge and one year on the-job cellular telecommunication experience.

COURSE DURATION

2 Days

COURSE OUTLINE

FTTH

In FTTH Session first it will explain about FTTH application. Calculate link Budget in FTTH. It also explain types of connectors, termination and splitting techniques in FTTH. Participants will understand TX and RX in FTTH in simple logic, understand differences between GPON and GEPON and understand multiple IP Services over FTTH. In practical session Participans will able to settings multiple devices over FTTH.

PROGRAM AGENDA

Day	Training Module	Syllabus	Objectives
Day 1 FTTH Training	Session 1 : Introduction to FTTH Session 2 : FTTH Link Budget Session 3 : Termination Techniques Session 4 : Splitting Techniques Session 5 : Connectors in FTTH	09.00-10.00 : <ul style="list-style-type: none"> What is FTTH FTTH Application 10.00-10.15 (Coffee Break) 10.15-12.00 : <ul style="list-style-type: none"> Splitter Attenuation FO Link Budget in the application of FTTH 12.00-13.00 (Lunch) 13.00-14.00 : <ul style="list-style-type: none"> Connectorized Splicing Which one is chosen? 14.00-15.00 : <ul style="list-style-type: none"> Centralized Splitting Distributed Splitting Examples of cases and design for High Rise Building and residential. 15.00-15.30 (Coffee Break) 15.30 -17.00 : <ul style="list-style-type: none"> UPC SC SC APC Manual Connectors 	<ol style="list-style-type: none"> Participants understand and know FTTH Application Participants able to calculate link Budget in FTTH. Participants understand termination and splitting techniques. Participants understand various types of connectors in FTTH.

Day	Training Module	Syllabus	Objectives
Day 2 FTTH Training & Demo	Session 5 : FTTH Transmission Session 6 : Optical Networks Session 7 : IP Services over FTTH Session 8 : CWDM Demo Session 9 : Demo Play 1 Session 10 : Demo Play 2	09.00-10.00 : <ul style="list-style-type: none"> TX and RX in FTTH in simple logic 10.00-10.15 (Coffee Break) 10.15-12.00 : <ul style="list-style-type: none"> Gigabit-capable Passive Optical Networks (GPON) Gigabit Ethernet PON (EPON or GEAPON) IPTV 12.00-13.00 (Lunch) <ul style="list-style-type: none"> Triple play Multiple play 13.00-15.00 : <ul style="list-style-type: none"> What is CWDM (Coarse Wavelength Division Multiplexing) CWDM Application 14.00-15.00 : <ul style="list-style-type: none"> Multiple Devices over FTTH 15.00-15.30 (Coffee Break) 15.30 -16.30 : <ul style="list-style-type: none"> Settings on Multiple Devices over FTTH 	<ol style="list-style-type: none"> Participants understand TX and RX in FTTH in simple logic. Participants understand differences between GPON and GEAPON. Participants understand multiple IP Services over FTTH. Participants able to settings multiple devices over FTTH.

NOTES

This Course Description is subject to change due to product design changes and individual attendee needs and experience.