



Course Content Transmission

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Name of the course:	Fiber Optic Transmission Systems
Duration:	5 days
Venue:	Welisara

Course content:

- ✚ History of Optical Fiber transmission
- ✚ Advantages over other mediums
- ✚ Ray theory transmission
- ✚ Optical Window, Line losses and other losses
- ✚ Source and Detectors
- ✚ MLM and SLM characteristics and applications
- ✚ MM, SM, SI and GI fiber characteristics
- ✚ NA and Relative Index difference
- ✚ Dispersion and limitation of the bandwidth
- ✚ G652, G653, G654 and G655 fiber characteristics
- ✚ Network configuration using EDFA
- ✚ Variation of the Bessel function and normalized frequency
- ✚ Mode theory for optical propagation
- ✚ Fiber classification
- ✚ Optical path calculation and Link Budget
- ✚ Functions of Optical Line Terminal Equipment (OLTE)
- ✚ Theory on Wavelength Division Multiplexing (WDM)