

Curriculum for Special Internship on Optical Fibre Cable for 1 week @Rs.3100/

Day 1	Theory	<p><b>Over View of optical Fibre Cable</b></p> <p>How acts as a Effective medium in New Telecom Laying methods,Types of Ducts and accessories.</p>
Day 1	Hands on Practicals	Identification of Component and construction of Optical fiber cables. core ,cladding,buffer,Jacket etc.,Tight buffer tube, Loose buffer tube cables.
Day 2	Theory	<b>Different types of OFC Cables and Applications.</b>
Day 2	Hands on Practicals	Identification of Different types of Splice Closures and it's Uses, Optical Termination Joint Box, Numbering Methods,. Identification of single mode and Multimode fibres and pigtails.
Day 3	Theory	<p><b>Tools used for optical fibre cable Preparation and Jointing.</b></p> <p><b>Meters used in Optical Fibre communication .</b></p>
Day3	Hands on Practicals	Hands on Practice on different Tools used for End Cable preparation of the OFC cable.NO-nik tool,Kevlar scissors,cable cutter . Different types of Meters used in Telecom - Optical Power Meter, Optical Time Domain Reflecto Meter, Stabilized Light Source,E1 Tester, Attenuation Meter,Visual Fault Locator Etc.
Day 4	Theory	<p>Optical fiber splicing, connectors and couplers:</p> <p>Different splicing techniques ,Intrinsic and extrinsic splice losses</p> <p>Principle of fusion splicing</p> <p>Optical fiber cable splicing procedure</p>
Day 4	Hands on Practicals	Practical Training on Fusion Splicer -Act of Joining two optical fibers end to end using heat.
Day 5	Theory	Fibre Optics Transmission Systems-PDH,SDH,FTTH
Day 5	Hands on Practicals	Transmission Lab Visit