Optical Communication Lab:

The Optical Communication Laboratory provides hands-on experience in the fundamental principles, components, and techniques of optical fiber communication systems. The laboratory aims to develop students' practical skills in characterizing optical sources and detectors, measuring optical power and fiber losses, observing fiber modes, and analyzing the performance of optical communication links.

Using optical fiber trainer kits, optoelectronic devices, and simulation tools such as OptiPerformer, students gain experience in designing, simulating, testing, and evaluating optical communication systems. The laboratory bridges theoretical concepts with practical applications in fiber-optic networks, high-speed data transmission, and modern optical communication technologies.

Features:

PIN PD Module (Optical Power Meter) - 5

DSO - 8

LENOVO DESKTOP - 2

DELL DESKTOP - 2

FCL Advanced Fiber Optic Communication Kit - 2

Fiber Optic Trainer – Model Link-B

Mode Observation of Fiber Optic Cable modules

LED/ LASER kit - 2

Avalanche Photodiode kit – 5


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