

OPTICAL FIBER COMMUNICATION BECP-702

Course Outcomes:

1. After completing this course, students will become familiar with various fiber optic components and systems and know how to:
2. Couple light in and out of fibers and connect them
3. Measure loss and dispersion in fibers
4. Measure the performance of analog and digital fiber links
5. Relate an integrated view of engineering by explaining the fundamental analogies between electrical and optical communication systems

List of Programs:

1. Setting up fiber optics analog Link and verification through voice signal transmission.
2. Study of losses in optical fiber.
3. Setting up fiber optic digital link.
4. Transmission of TDM signal using fiber optic digital link
5. To establish PC to PC communication link using optical glass fiber & RS 232 interface.
6. Measurement of Propagation loss and numerical aperture.
7. Characterization of laser diode and light emitting diode.