FDP-130	DIGITAL, SATELLITE & OPTICAL COMMUNICATION	29.10.2018 to 02.11.2018

OBJECTIVES:

- Understand the basics of Digital communication
- Understand the basics of Satellite communication
- Understand the basics of Optical communication

PARTICIPANTS:

Teachers of Electrical, Electronics & Communication and Computer Science disciplines having basic knowledge in Computer hardware and working experience in Computer Systems.

PARTICIPANTS:

Teachers from Electrical & Electronics Engineering Discipline

INPUT:

Basics of Digital Communication - Digital Modulation and Modems – ASK, PSK, FSK – Coding - Multiplexing and Multiple Access Techniques – Data transmission circuits – Data sets and interconnection equipments – Network and Internet Technologies - ISDN - Video Conferencing - Satellite systems – Architecture - Tracking Telemetry & Control - Link Design – Modulation – Communication Payload – Antennas – Applications - Microwave transmission lines – Microwave vacuum tube devices – Microwave solid state devices and circuits – Applications of Microwaves - Optical fiber - Optical fiber communication system - Principle of operation – Optical sources – Detectors – Measurements – Optical switching, WDM, DWDM Optical fiber manufacturing – Applications.

PROCESS:

- Lecture
- Demonstration
- Industrial Visit

OUTPUT:

The Participants will be able to gain knowledge in testing Digital, Analog and Mixed Integrated Circuit

RESOURCE PERSONS:

- Dr. P. Sivasankar
- Guest Faculty

COORDINATOR	VENUE	LAST DATE FOR RECEIPT OF APPLICATIONS
Dr. G. Kulanthaivel	NITTTR, Chennai	15 days prior to the start of the programme