



GANDHI SCHOOL OF
ENGINEERING, BHABANDHA, BERHAMPUR

TEACHING AND LEARNING MATERIAL

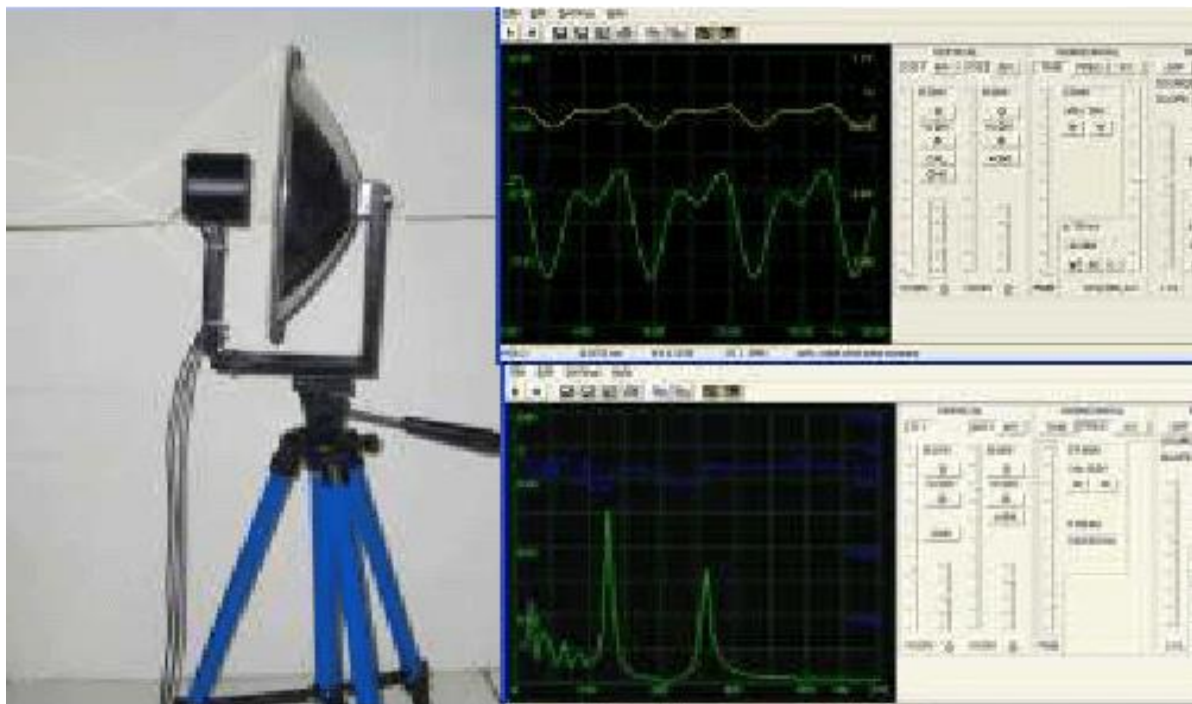
**SUBJECT: ADVANCE COMMUNICATION
ENGINEERING
SEMESTER: 6TH**

Prepared by :Prabhamayee Acharya

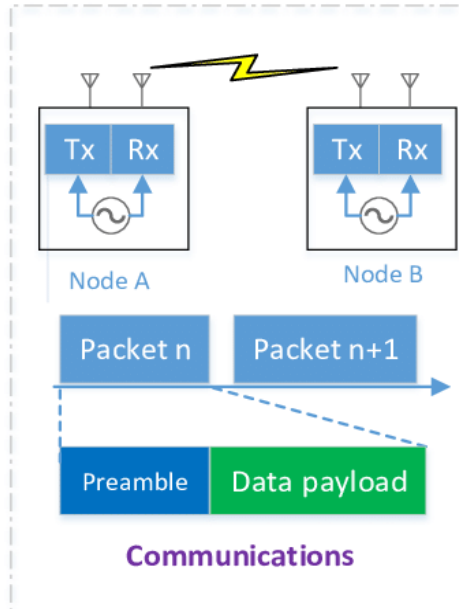
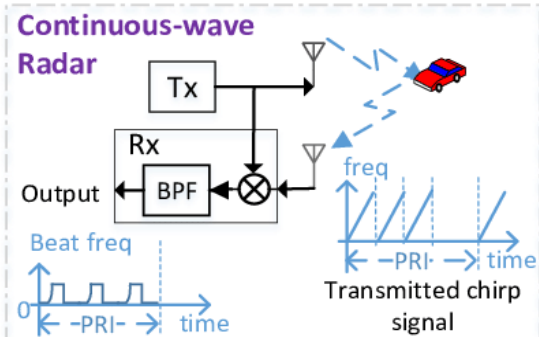
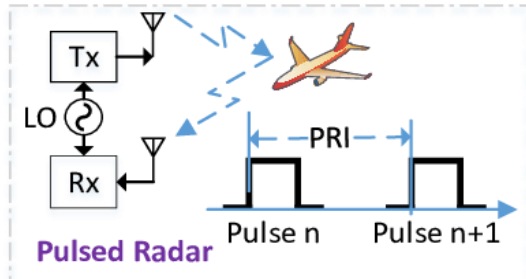
Unit-1:

RADAR & NAVIGATION AIDS

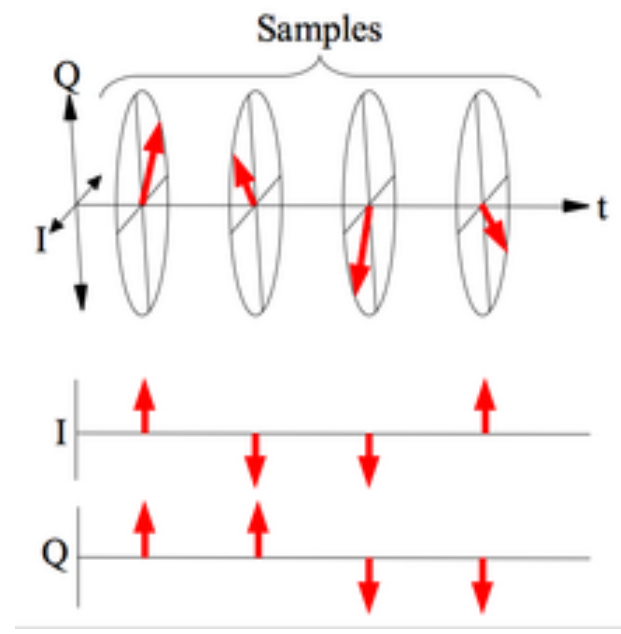
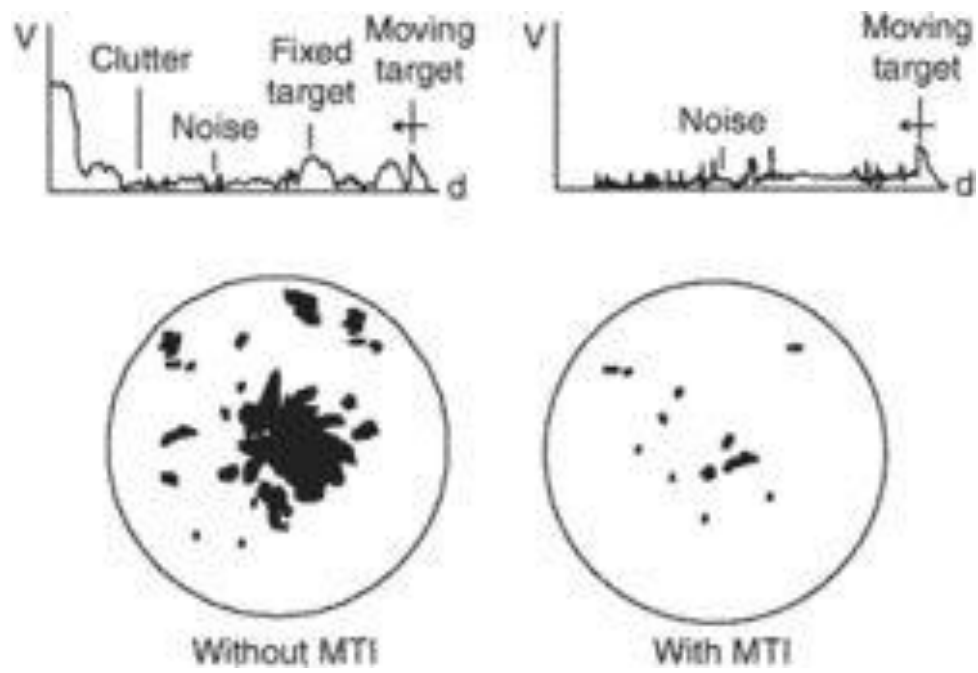
RADAR KIT



PULSED RADAR SYSTEM.



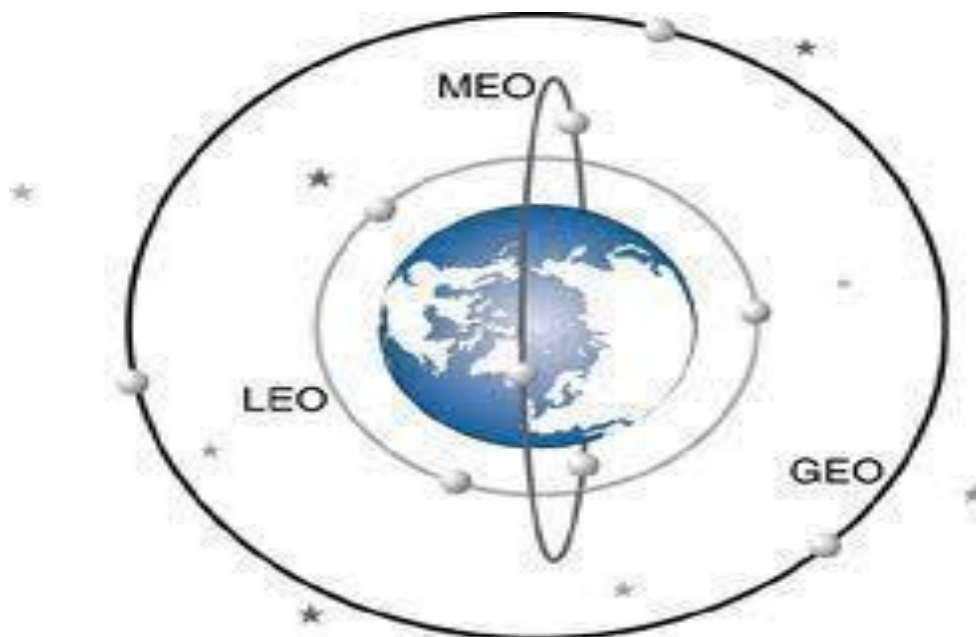
MTI RADAR



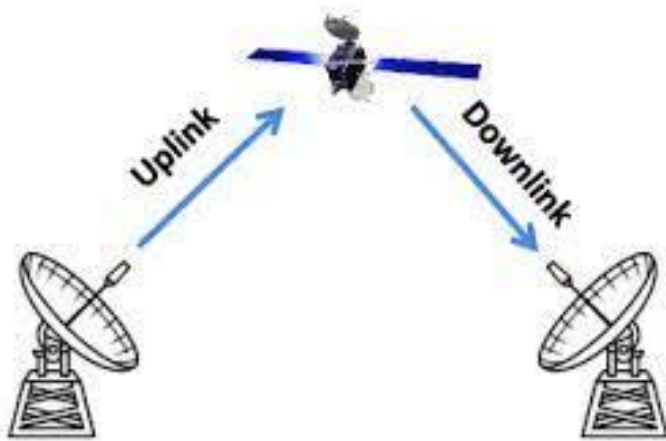
Unit-2: SATELLITE COMMUNICATION



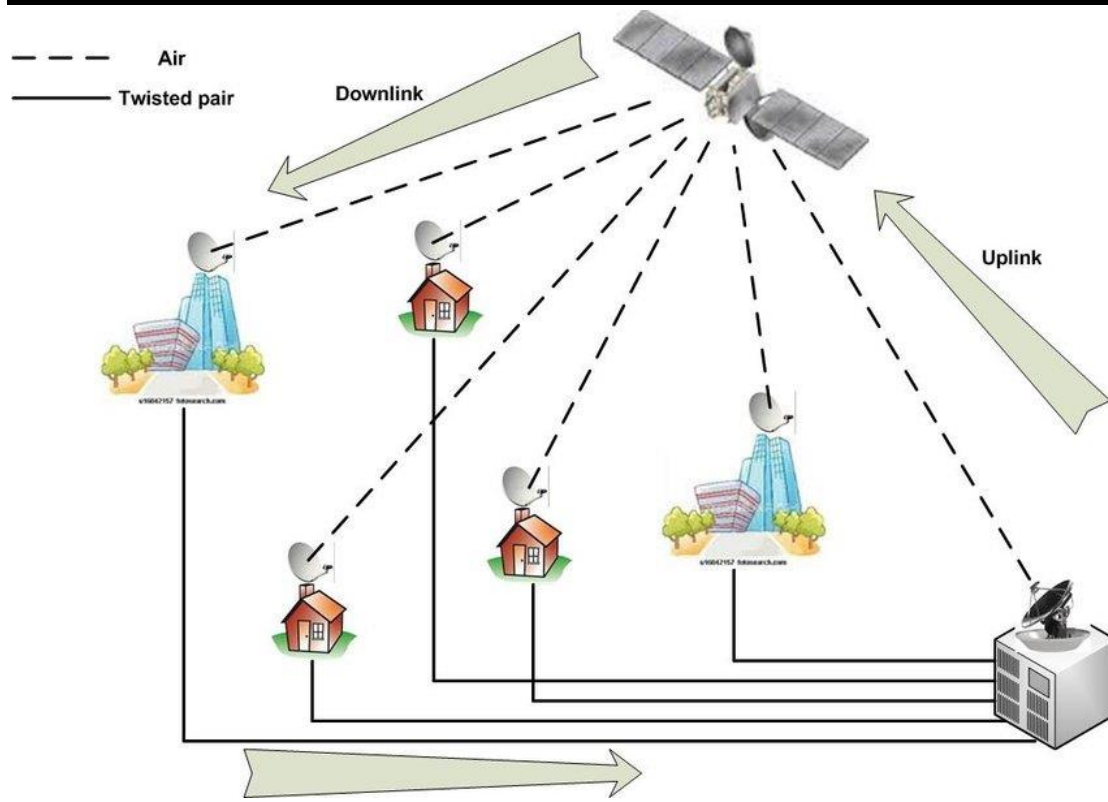
SATELLITE ORBITS



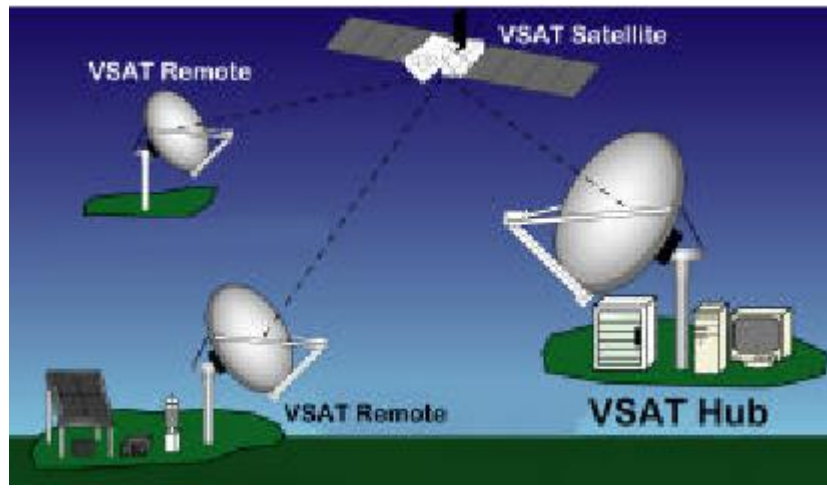
UPLINK & DOWNLINK SYSTEM



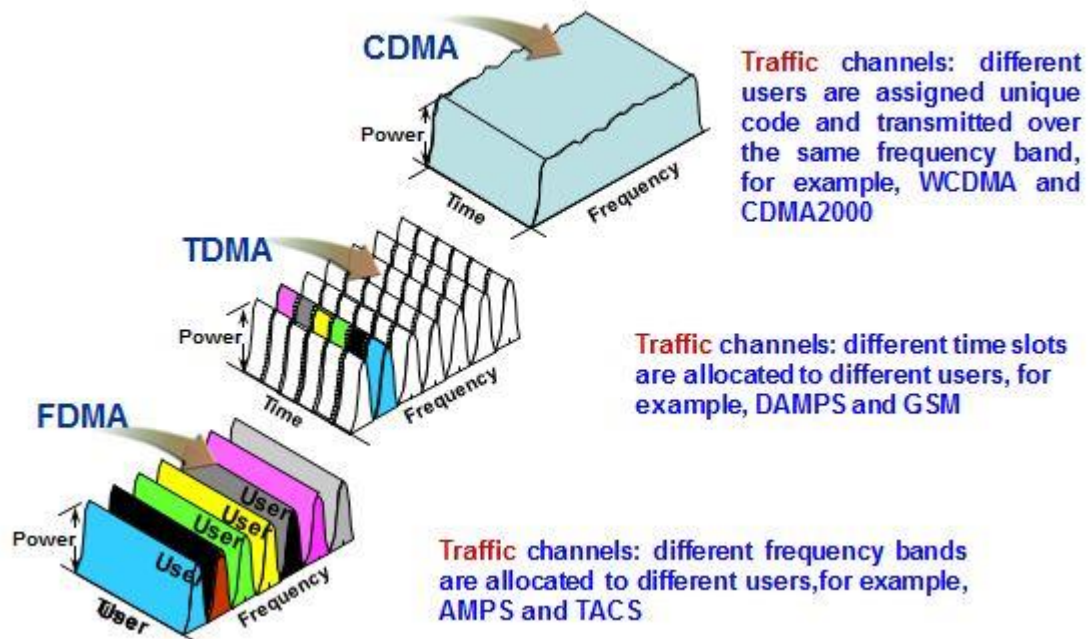
DIRECT BROADCAST SYSTEM (DBS)



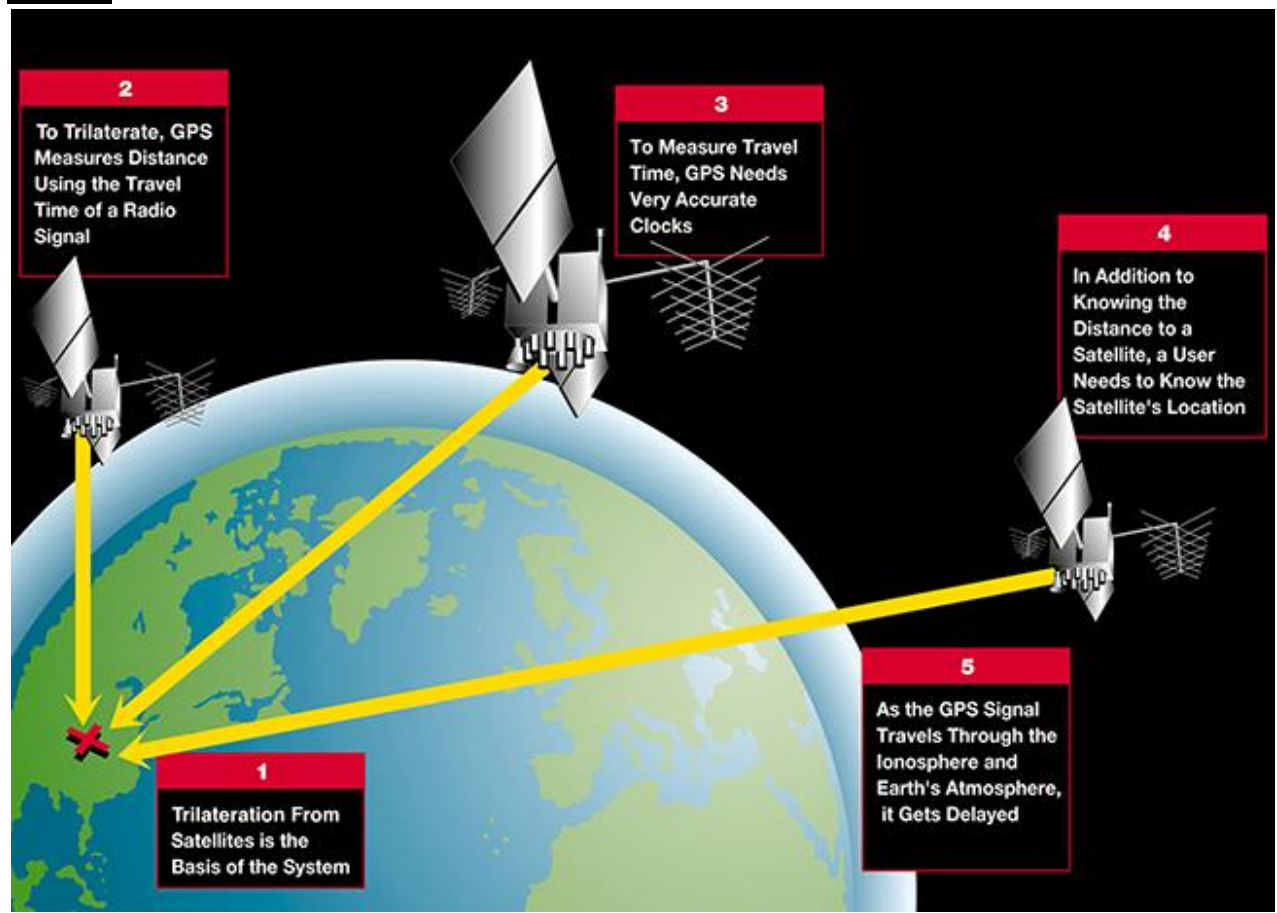
VSAT



MULTIPLE ACCESSING

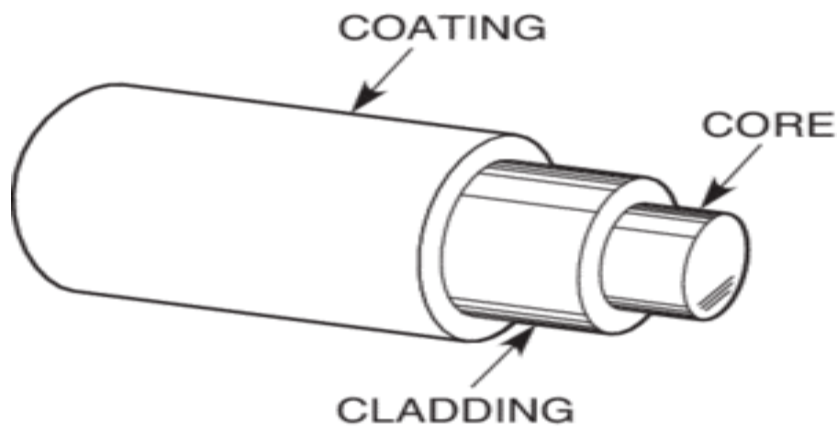


GPS

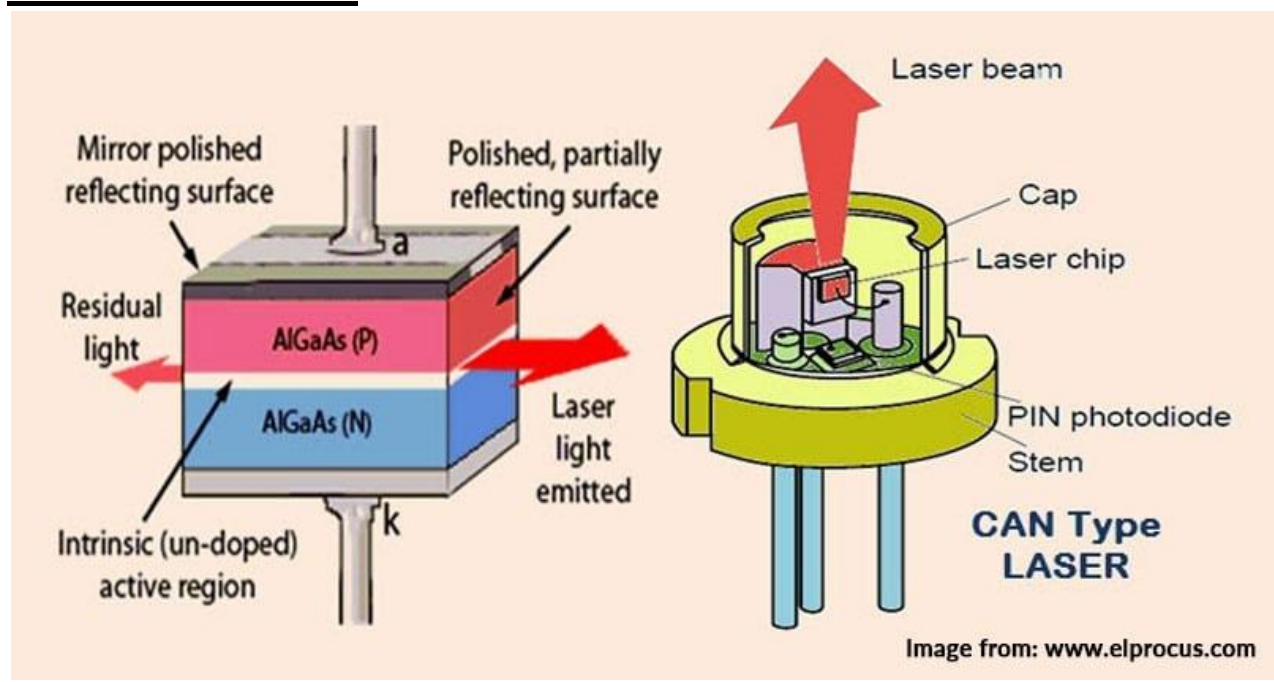


UNIT-3: OPTICAL FIBER COMMUNICATION

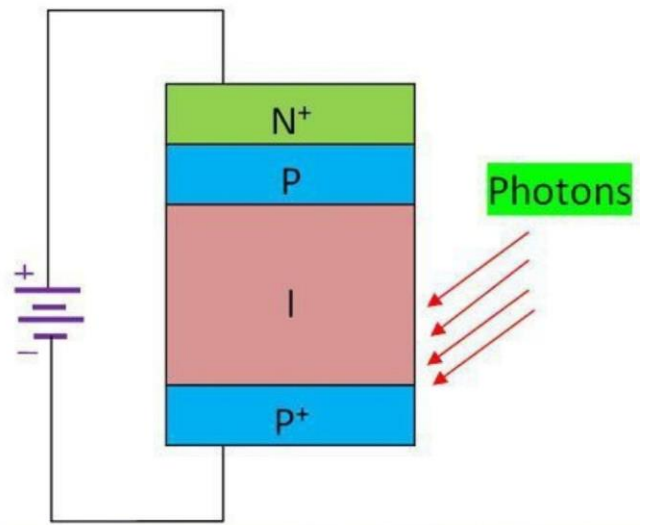
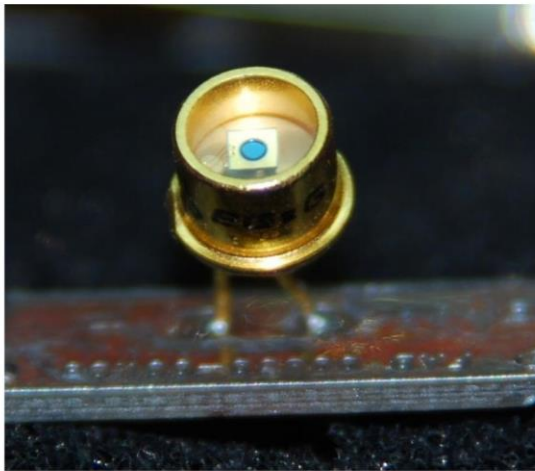
OPTICAL FIBER



LASER DIODE

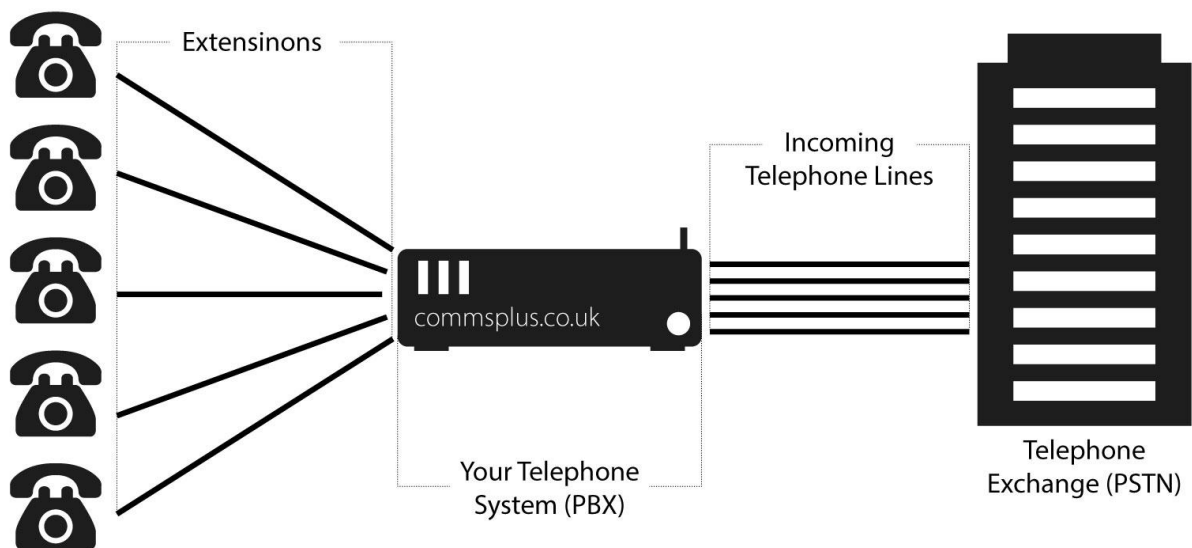


APD DIODES



Structure of Avalanche Photodiode

UNIT-4 TELECOMMUNICATION SYSTEM



UNIT-5 DATA COMMUNICATION

MODEM



UNIT-6 WIRELESS COMMUNICATION

Smartphone hardware architecture

