

Suggested Term Projects

- Satellite systems:
 - ARABSAT
 - NILESAT
 - INTELSAT
 - Study of the system design, utilization of frequency band, Different types of services, satellite footprint, satellite antennas, link analysis,...etc.
- Very small aperture terminals, (VSAT).
- Weather satellites
- Global Positioning system, (GPS).
- Low earth orbit constellations (LEO's), examples: Iridium, Teledesic, globestar...etc.
- Inclined orbit satellites for communications (e.g. Molniya), tracking system.

- Modulation
- Multiple Access
- Work on satellite communications in the ka band (20-30 GHz).
- Design of a satellite antenna system to provide a desirable footprint.
- Design of Earth station.