| ***SEMESTER*** | ***DEPARTMENT*** | ***COURSE TITLE*** |
|---|---|---|
| *Eighth* | *Telecommunications Engineering* | *Satellite Communications Lab.* |
| ***COURSE CODE*** | ***HOURS*** 3<br>***UNITS*** 1 | ***COURSE SPECIFICATIONS*** |
| *ET804* | | *Practical Content* |

***1. To set up a active and passive satellite communication link and study their difference.***

***2. To measure the base-band analog (voice) signal parameters in the satellite link.***

***3. To measure C/N ratio.***

***4. To transmit and receive the function generator waveforms through a satellite communication link.***

***5. To measure the digital baseband signal parameters in satellite communication link.***

***6. To send telecommand and receive the telemetry data.***

***7. To set a PC to PC satellite communication link using RS-232 ports.***

***8. To measure the propagation delay of signal in a satellite communication link.***

***9. To measure fading of a received signal.***

***10. To measure the parameters in an analog FM/FDM TV satellite communication link.***

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| ***11. To measure the S/N ratio.*** |
| ***12. To calculate the figure of merit and FM deviation.*** |