



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

NETWORKS LABORATORY

Lab incharge : Mr.M.Manikandan

Lab instructor : Ms.M.Keerthana

Overview:

The main objective of networks lab is to enrich the knowledge in Networking area and its functions to the students. Networks and simulation lab is well equipped with 29 systems. This lab is highly configured with LTS-01 Local Area Network Trainer kit which is connected along with one server and 3 client systems. By using LTS-01, students can learn about various topologies, protocol with basic fundamentals of networks. DCT trainer kit is used for serial and parallel PC to PC communication by using RS232 cable. Totally 5 LTS-01 trainer kits and one DCT trainer kit available at Networks lab. By using networks lab, students can also learn how errors are occurring during the file transmission with the help of Turbo-C. Networks lab experiment can be done by using Networks Simulator-2 (NS-2). The lab is also used by the students by simulating the output, in which the students can carry out projects/mini projects in various aspects of ever growing field of networking field. In simulation part is well equipped with 12 power supply, 12 CRO, 6 function generator and 6 decade inductor box. All systems are highly installed by Orcad software. By using Orcad software students can elaborate their knowledge in various aspects. We can perform Filter design, Differential amplifier, Multivibrator etc. By using Orcad software.

The area of laboratory is 86.36 Sq.m

Major equipments:

- LTS-01 trainer kit
- Data communication trainer kit



- Wireless LAN accessories
- Network lab educational software's (L-SIM & N-SIM)
- Power supply
- Function generator
- Decade inductance box
- USB adaptor - 3 nos
- Access point - 01 nos
- ASLK Pro kit /analog lab in a box
- MSP430 G2 launch pad
- CC110L booster pack
- TIVA launch pad
- Sense Hup booster pack
- EZRF 2500 MSP430 Wireless Development tool
- Simple link Wi-Fi CC3100 Booster pack
- Simple link CC2650 / CC2640 wireless Launch pad
- Simple link Wi-Fi CC 3200 Launch pad
- MSP 4305529 launch pad



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Snapshot of networks laboratory