



Digital System Lab & Digital Signal Processing Lab



Description

The **Digital Systems Lab** serves two courses: Digital Systems, and Microprocessors. This laboratory is well equipped with educational kits that help students understand important and sophisticated concepts in the easiest way possible. Major equipments in this lab are the Logic Gates Modules and the Flite 68K board. A number of other application and training boards are also available for students to learn how to apply concepts practically. The Digital Systems Lab is well-maintained and weekly checked. Lab rules are well defined and followed by the students.

Equipment

Dell Desktop Computer

B1140 –MEM Semi-conductor Memories Trainer

Low Voltage Power Supply

TINA Lab II

Electron BTP2 High Voltage Power Supply

Flite KL –300 Digital Logic Trainer

FLT 68K Application Board

4mm I/O Module Flight –68K

Microchip

Tektronix DC Power Supply; 32V; 3A

B4192 Stabilized Power Supply

B1140 –CONV Analog Pulse Signal Converter

B1131 –C Digital Logic Families Trainer

TG550 Function Generator

Electron B1180 -WS –Workstation

Weller Soldering Station

FLT 68K 68000 Training System

Switch and Lamp Unit

C Compiler and Assembler for the FLT 68K

Oscilloscope, 100 MHz, 2 Channel

Linear DC Power Supplies CD

Software

MATLAB

Easy68K

XILINX ISE 9.2i

Arduino

Pico scope 6

Courses

COEN 3323: Digital Systems

EEEN 4331: Microprocessors

COEN 4322: Digital Signal Processing

