DEPARTMENT OF COMPUTER SCIENCES & ENGINEERING

❖ **Name of the Lab:**

➢ Analog And Digital Electronics Laboratory, Microcontroller And Embedded Systems Laboratory And System Software And Operating System Laboratory

❖ **Location:**

➢ A 401 IV Floor

❖ **Description:**

➢ This lab has a **total area of 89.5 sq ft.** It is utilized by 3rd semester students for leaning concepts of Analog and Digital Electronics during the Odd semester of the academic calendar. During Even semester the lab is used by 4th semester students to understand concepts of Microcontroller and Embedded Systems.

❖ **Ambiance:**

➢ This lab has **projector** for aid of presentations and program logic explanations. It is provided with uninterrupted power supply with aid of UPS capacity of 25KVA. White/black board, Notice boards, Instruction Boards (Do's and Dont's), Experiment charts, Lab programs lists, Lab Layouts, Vision and Mission board are displayed in laboratory. Laboratory manuals are maintained for reference. The lab also contains Shoe Racks and Bag Racks for studentconvenience.

❖ **Safety:**

➢ General Rules of Conduct in Laboratories are displayed. Electrical maintenance such as electrical ports, switches, network cables, lights and fans are serviced. Any failurein components is timely serviced. Safety aids available in the laboratory are

➢ Firewall

➢ Fire extinguisher

❖ **No. of Systems & Their Specification:**

➢ Systems: 27

➢ Lenovo Computers - 27, Processor – Intel Core Duo & Core i5, Hard Disk - 500GB, RAM - 4 GB

➢ Make   : Lenovo Think Centre

➢ Processor : Intel Core 2 Duo E7400, 2.80 GHz Processor / Intel Core i5 – 3470, 3.20 GHz Processor / Intel Core i5 – 2400, 3.10 GHz

➢ RAM   : DDR4 - 4 GB

➢ Hard Disk : 320 GB / 500 GB

➢ Monitor   : AOC & DELL 17" screen

➢ Key Board , Mouse : Lenovo USB Wired Keyboard, Lenovo USB Optical Mouse

❖ **Software Used:**

➢ Xilinx / Multisim For 3rd Semester
➢ KeilVision / Flash magic For 4th Semester

❖ **Major Equipment's:**

➢ Digital Trainer Kits

➢ ALS - SDA ARM 7 2148 Evaluation board with cable

➢ Digital Oscilloscope

➢ Analog Oscilloscope

➢ Signal Generators 3 MHz

➢ DC Regulated Power supply

➢ Digital Multi meter

➢ Dual Channel Power Supply (0 - 30 V)

➢ Electro Systems PCI Card

➢ Analog & Digital IC Tester

❖ **OS Version:**

➢ WINDOWS 7 (32 Bit)

❖ **FACULTY IN-CHARGE:**

➤ Mrs. Jayashubha J

❖ **NON- TEACHING STAFF IN-CHARGE:**

➤ Mr. Dhineshkumar T