



K .S SCHOOL OF ENGINEERING AND MANAGEMENT

Mallasandra, off Kanakapura Road, Near Holiday Village, Bengaluru-560109
Phone: 08028425012/013 website: www.KSSEM.edu.in

DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

❖ **Name of the Lab:**

- Analog And Digital Electronics Laboratory, Microcontroller And Embedded Systems Laboratory

❖ **Location:**

- B 206 1ST Floor

❖ **Description:**

- This lab has a **total area of 91.74 sq ft**. It is utilized by 3rd semester students for learning 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 student convenience.

❖ **Safety:**

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

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

- Systems: 35
- HP Computers - 35, Processor Intel(R) Core(TM) i5-6400 CPU @ 2.70GHz 2.71 GHz RAM : 8GB
- Make : HP
- Processor : Intel(R) Core(TM) i5-6400 CPU @ 2.70GHz 2.71 GHz RAM : 8GB
- Hard Disk : 256 GB/ 512 GB
- Monitor : HP 18" screen
- Key Board : HP & ZEBRONICS USB Wired Keyboard,
- Mouse : HP & ZEBRONICS USB Optical Mouse

❖ **Software Used:**

- Code Blocks For 1st Semester
- Xilinx / Multisim For 3rd Semester
- Anaconda navigator/ Mysql For 4th Semester

❖ **Major Equipment's:**

- Digital Oscilloscope
- Analog Oscilloscope
- Signal Generators 3 MHz
- DC Regulated Power supply
- Digital Multi meter
- Electro Systems PCI Card
- Analog & Digital IC Tester

❖ **OS Version:**

- WINDOWS 10 (64 Bit)

❖ **FACULTY IN-CHARGE:**

➤ Mrs. Pavan H

❖ **NON- TEACHING STAFF IN-CHARGE:**

➤ Mr. Manjunath S