

- **NAME OF THE LAB:**
 - ANALOG AND DIGITAL ELECTRONICS LABORATORY, MICROCONTROLLER AND EMBEDDED SYSTEMS LABORATORY AND SYSTEM SOFTWARE AND OPERATING SYSTEM LABORATORY
- **LOCATION:**
 - 304-OB III FLOOR
- **DESCRIPTION:**
 - This lab has a **total area of 136 sq ft**. It is utilized by 3rd semester students for leaning concepts of Analog and Digital Electronics during the Odd semester of the academic calender. During Even semester the lab is used by 4th semester students to understand concepts of Microcontroller and Embedded Systems , along with 6th semester students for System Software and Operating System lab.
- **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, Display boards, Instruction Boards (Do's and Dont's), Experiment charts, Lab programs lists, Lab Layouts, Vision and Mission board, PEO and PSO board are displayed in laboratory. Laboratory manuals are maintained for reference. The lab also contain 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. **e-Waste** is periodically handed over to “E-Parisaraa Pvt Ltd”, which is a government authorized electronic waste recycler. Safety aids available in the laboratory are
 - Firewall
 - First aid box
 - Fire extinguisher
- **No. of Systems and their specification:**
 - HP Computers - 28, Processor - Core i5, Hard Disk -500GB, RAM - 4 GB

- **Software Used:**
 - XILINX, ORCAD, PSPICE, MODEL SIM, KEIL, GLUT, ORACLE 11G
- **Major Equipments:**
 - Digital IC trainer Kits, FALCON CROs, APLAB CROs, Microcontroller Kits (ALS – SDA –ARM7, ARM7 2148)
- **OS Version:**
 - WINDOWS 8.1 & UBUNTU 18.04
- **FACULTY IN-CHARGE:**
 - Mr. Sanjoy Das
- **NON- TEACHING STAFF IN-CHARGE:**
 - Mr. Shankara K Kenche