

- **NAME OF THE LAB:**
 - DATA STRUCTURES LABORATORY AND DESIGN AND ANALYSIS OF ALGORITHM LABORATORY AND SYSTEM SOFTWARE AND OPERATING SYSTEM LABORATORY
- **LOCATION:**
 - 301-OB III FLOOR
- **DESCRIPTION:**
 - This lab has a **total area of 83 sq ft**. It is utilized by 3rd semester students for leaning concepts of data structure and programming during the Odd semester of the academic calender. During Even semester the lab is used by 4th semester students to understand design and analysis of different algorithms, along with 6th semester students to learn system software and operating 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 20KVA. 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-22, Processor - Core 2 DUO, Hard Disk -160GB, RAM -2 GB
 - **ii)** Lenovo Computers -02, Processor - Core i5, Hard Disk -320 GB, RAM -4 GB
 - **iii)** HP Computers - 02, Processor - Core i5, Hard Disk - 500GB, RAM- 4 GB
- **Software Used:**
 - For 3rd sem Editor, for 4th sem JDK 1.8 Eclipse and for 6th sem Flex & Bison
- **Additional Software available:**

- JAVA and Anaconda
- **OS Version:**
 - UBUNTU 12.4 & 16.4
- **FACULTY IN-CHARGE:**
 - Mr. K Venkata Rao
- **NON- TEACHING STAFF IN-CHARGE:**
 - Mrs. K.Sujatha