



## 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 AND DATA SCIENCE

#### ❖ Name of the Lab:

➤ Data Structures & Applications / Design and Analysis of Algorithms Laboratory.

#### ❖ Location:

➤ N 205 B Block Ground Floor

#### ❖ Description:

➤ This lab has a **total area of 91.74 sq ft**. It is utilized by 1<sup>st</sup>/3<sup>rd</sup>/5<sup>th</sup> and 7<sup>th</sup> semester students for learning concepts of Python, Data Structure, Computer Networks and Project work during the Odd semester of the academic calendar. During Even semester the lab is used by 2<sup>nd</sup>/4<sup>th</sup>/6<sup>th</sup> and 8<sup>th</sup> semester students to understand concepts of Design and Analysis of Algorithms, Project work and others.

#### ❖ 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 25 KVA. 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 and Their Specification:**

- Desktop - Lenovo Think Centre Intel Core i5 6<sup>th</sup> GEN, 3.20 Ghz
- 256 GB HDD, 4 GB RAM
- 19" INCH HP Monitor,
- USB Key Board, USB Optical Scroll, Mouse
- There are totally 35 systems.

❖ **Software Used:**

- Linux GCC Compiler

❖ **OS Version**

- Ubuntu 20.0 LTS (64 bit)
- Windows 10 PRO

❖ **Faculty In-charge:**

- Mrs. Madhusmitha Mishra

❖ **Non- Teaching Staff In-Charge:**

- Miss. Hitha.S