

TERNA ENGINEERING COLLEGE

Department of Computer Engineering

Simulation Lab

Lab location: 3rd Floor, Room N. 333

Area of the lab in carpet: 60.61 sq. mt.

Objectives: The main objective of this lab is to provide a strong formal foundation of programming concepts from practical usage of the same to help participants/students to groom them into well-informed software developers and learning to analyze the software system. Computing and communication technology has had a significant impact on the engineering education system. This technology has improved online and collaborative learning. Besides that, it improves the students learning experiences.

Strength: The knowing programming language is today's need because any gadget or device is depend on its software part. Lab includes programming tools and languages so that students foundations are stronger to face any real time challenges. Simulation is used to evaluate the effect of process changes, new procedures and capital investment in equipment. Engineers can use simulation to assess the performance of an existing system or predict the performance of a planned system, comparing alternative solutions and designs.

Software Available:

Operating Systems: Microsoft Windows 10 Professional (32bit)

1. Turbo C++ 4.0
2. jdk-6 Java
3. Python3.6, Python 3.7.3
4. eScan Antivirus
5. Office_Professional_Plus_2013 and Office2007

Hardware Available:

Sr.No	Description	Quantity
1	PC's - HP RCTO 280 G3 PCI MT IND, Core i5, 3.40GHz, DDR4 4 GB RAM, 500 GB HDD, HP Color Monitor, Keyboard, mouse	05
2	Desktop i5 model- HP prodesk 400 G9 MT Microtower PC Processor-i5-12500 12 th Gen (6cores/18MB/12T/3.0 GHz-65W	15

	Chipset -Q670 Ram- 8GB(1x8GB) DDR4 3200 NECC H/D -512 GB 2280 PCIe NVNe SSD Monitor Size- HP 204v 19.5'' HDMI Monitor, Mouse/Keyboard- HP 125BLK WRD Keyboard & Mouse	
3	Switch - D-link 24 port10/100 Mbps	01
4	Stabilizer -Voltage 7.5 KVA	01

Courses:

1. Machine Learning (VIII Sem COMP)
2. Distributed Computed (VI Sem COMP)
3. CG(III Sem COMP)
4. Cryptography(VI Sem COMP)
5. Advanced Algorithm(VI Sem COMP)