



KLS GOGTE INSTITUTE OF TECHNOLOGY, BELAGAVI

SKILL LABS



Schedule of Skill labs offered at KLSGIT

Sl No	Department	Start date	End date	Title of Skill lab
1	ISE	04-11-2024	09-11-2024	Computer Hardware and Networking

Skill lab (Detailed schedule)

Sl No	Department	Title of Skill lab	Semester & Division	Venue	Dates	Faculty name	Phone No	Email id
1	ISE	Computer Hardware and Networking	3 rd sem A & B	Lab No. 3, 6	04-11-2024 to 09-11-2024	Dr. Harish H. Kenchannavar, Prof. P. S. Upparamani Prof.S. K Madi Prof. R. J. Kadkol,	7411475126 9242266764 7411475126 8312442359	harishhk@git.edu upparamani@git.edu sudhirmadi@git.edu rjkadkol@git.edu



SKILL LAB

ON

COMPUTER HARDWARE AND NETWORKING

For 2nd year Students



KLS GOGTE INSTITUTE OF TECHNOLOGY, BELAGAVI

Department of Information Science & Engineering

Overview:

Students shall apply the skills learnt in this Skill Lab. They will be learning the procedures to install, configure, and troubleshoot computers, installation of operating systems and soft wares. Learn the fundamentals of connecting computers to networks.



Mode of Conduction of each Module:

Theory: 02 Hours,
 Demo: 01 Hours,
 Lab Sessions: 03 Hours
 Total duration: 06 Hour
 Certification exam: 03 Hours

Module 1: Fundamentals of Computers

Basics of PC, Laptops & Components Introduction to PC Hardware: PC Components, Memory, Adapter cards and extension slots, Hard disk drives cables and adapters, Input devices and output devices. Computer disassembly & Assembly, Preventive maintenance and trouble shooting. Advanced computer Hardware: Advanced computer Functionality ports, Configuration for specialized computers. Laptops and other Mobile Devices: Laptop hardware and component installation and configuration, Preventive Maintenance and troubleshooting process.



Module 3: Networking Components

Basics of Computer Networking: Identification of network components, CAT6 cable colour code and crimping, RJ-45 connectors, Network cable testing. Networking components – hub, router, switch, wi-fi.

Module 2: O.S. Installation and Configuration

Basics of OS with Installations & Configurations Windows Installation & Upgrades, Disk Management (storage device types, Hard drive partitioning, Partitions and logical drives), Windows Configuration - Configure Windows with Control Panels, System Administration.

Module 4: Linux

Linux fundamentals, Linux system commands

Terms and Conditions

Students who have paid a skill lab fee to the institution are eligible for training. The students must maintain 90% attendance for obtaining the skill lab certificate. Students must attend training as per scheduled time.

Acceptance

In order to accept and start the training program, students are required to register with the respective department. Details to be provided by the student to the department include: Name, USN, UID, Mobile No, Email id

Name	Dr. Harish H. Kenchannavar, Ph. 7411475126 E-mail: harishhk@git.edu
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Outcomes

List the outcomes of the Skill lab offered by your department. In what way will it benefit the students

