BASIC ENGINEERING LABORATORY (2 Credits)

The basic engineering lab constitutes of three labs- computer engineering, electrical engineering and electronics engineering. Computer Engineering lab will be handled at School of Computer and Information Sciences (SCIS) and the basic Electrical and Electronics Labs will be handled by School of Engineering Sciences and Technology (SEST).

Currently the students are divided into 3 batches and the students complete all the labs by rotation.

Computer Engineering Lab

1) Opening up of a computer and identification of computer peripherals and components: Appreciating the block diagram along with the configuration of each component and its functionality: Input/ Output devices, I/O ports and interfaces, main memory, cache memory and secondary storage technologies, network, graphics cards etc.
2) Understanding the directory structure of Linux and ideas of open source
3) Learning basic Linux commands
4) Installing the Linux operating system
5) Installing Application software (Eg. Jupyter notebook, Calibre etc.) and package management. Exploring Libre Office packages.