Laboratory

Python Programming Lab

The purpose of this lab is to understand the basic concepts of scripting and the contributions of scripting language. Students can explore python data structures like Lists, Tuples, Sets and dictionaries. Also, they can create contemporary applications using Functions, Modules and Regular Expressions.

Facilities: Intel core i5 - 13400@2.50GHz / 16 GB RAM / 256 GB SSD / Keyboard / Mouse / 22" monitor, Python 3.12.0, Anaconda 2024.06-1.

UI and Web Development Lab

In this lab, student can learn how the Web and web pages work then steadily build from there and describe how web pages are delivered over the Internet. Students can use this lab as a platform to Utilize style sheets (CSS), responsive web design, and structured HTML page creation to ensure that the web page looks great on any device. This laboratory offers the students to learn the front end tools like HTML, java script and css.

Facilities: Intel core i5 - 13400@2.50GHz / 16 GB RAM / 256 GB SSD / Keyboard / Mouse / 22" monitor.

Data Structures and Algorithms Using Python Lab

This lab helps students better understand the fundamentals of data structures including the implementations of stack, queue, linked list, trees, graphs and hashing techniques using python.

Facilities: Intel core i5 - 13400@2.50GHz / 16 GB RAM / 256 GB SSD / Keyboard / Mouse / 22" monitor, Python 3.12.0, Anaconda 2024.06-1.