Galgotias College of Engineering & Technology

Details of Lab Equipment : 2023-24
Department of Computer Science Engineering Labs

Lab No.-E-006

Name: Python Programing Lab
Lab/ Major Equipments : 32 Computers (CPU- (Processor) 12th Gen Intel (R) Core (TM) i5 -12500 3.00Ghz
Ram- 8 gb
Rom- SSD 512gb
Mouse - hp
Keyboard - hp
Monitor- 23.8in hp)

Description of Labs: The Python Programming Lab immerses students in practical coding exercises to master Python programming concepts and applications. Participants learn fundamental programming constructs, data structures, and algorithms through hands-on projects and exercises. The lab covers a wide range of topics, including variables, loops, functions, file handling, and object-oriented programming. Students engage in real-world problem-solving scenarios, honing their critical thinking and problem-solving skills. Advanced topics such as web development, data analysis, and machine learning are also explored, allowing students to apply Python in diverse domains. With a focus on interactive learning and experimentation, the lab encourages creativity and innovation in coding. By the end of the course, students develop proficiency in Python programming and gain the confidence to tackle complex programming challenges effectively.