Galgotias College of Engineering & Technology

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

Lab No.-C-205

Name: Object oriented Programing Lab

Lab/ Major Equipments : 36 Computers , CPU -(Processor) 12th Gen Intel (R)Core i7-12700 2.10 GHz.
Ram -16 GB
Rom-SSD 500 gb
Mouse-hp   Keyboard-hp Monitor - 23.8 in hp

Description of Labs: The Object-Oriented Programming (OOP) Lab offers a practical environment for students to learn and apply OOP concepts. Through hands-on exercises and projects, participants explore key principles such as encapsulation, inheritance, and polymorphism. The lab focuses on programming languages like Java or C++, providing a foundation for understanding object-oriented design and implementation. Students learn to create and manipulate objects, design class hierarchies, and implement reusable code structures. Emphasis is placed on problem-solving and abstraction, enabling students to model real-world scenarios effectively. Additionally, the lab covers advanced topics like design patterns and software architecture, enhancing students' ability to develop robust and maintainable software solutions. By the end of the course, students gain proficiency in object-oriented programming paradigms, preparing them for careers in software development and engineering.