

Galgotias College of Engineering & Technology

Details of Lab Equipment : 2023-24

Department of Computer Science Engineering Labs

Lab No.-GBS-304

Name: Cloud Computing Lab

Lab/ Major Equipments 36Computers (CPU- (Processor) 12th Gen Intel (R) Core (TM) i5 -12500 3.00Ghz

Ram- 8gb

Rom- SSD 512gb

Mouse - hp

Keyboard - hp

Monitor- 23.8in hp)

Description of Labs: The Cloud Computing Lab offers practical experience in leveraging cloud infrastructure and services to build scalable and resilient applications. Students explore cloud computing concepts such as virtualization, storage, networking, and deployment models through hands-on exercises and projects. The lab provides access to popular cloud platforms like AWS, Azure, and Google Cloud, enabling students to deploy and manage applications in a cloud environment. Emphasis is placed on understanding the benefits and challenges of cloud computing, including cost management, security, and performance optimization. Additionally, students learn to leverage cloud-native services such as serverless computing, containers, and microservices architectures. By the end of the course, students gain proficiency in designing, deploying, and managing applications in the cloud, preparing them for careers in cloud computing and related fields.