

Galgotias College of Engineering & Technology

Details of Lab Equipment : 2023-24

Department of Computer Science Engineering Labs

Lab No.-GBS-201

Name: Data Base Management 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 Database Management Lab offers practical training in designing, implementing, and managing databases. Students gain hands-on experience with relational database systems and related technologies such as SQL. Through a series of structured exercises and projects, participants learn database modeling, query optimization, and transaction management. The lab covers topics including normalization, indexing, and database security, providing a solid foundation in database management principles. Emphasis is placed on real-world applications, with students working on tasks like data migration, backup and recovery, and performance tuning. Additionally, students explore emerging trends in database technology such as NoSQL databases and cloud-based solutions. By the end of the course, students develop proficiency in designing and managing databases, equipping them with essential skills for careers in database administration, data analysis, and software development.

