

**Galgotias College of Engineering & Technology**  
**Details of Lab Equipment : 2023-24**  
**Department of Computer Science Engineering Labs**

**Lab No.-E-201**

**Name: Web Technology Lab**

**Lab/ Major Equipments** 34Computers (CPU- (Processor) 12th Gen Intel (R) Core (TM) i5 -12500 3.00Ghz  
Ram- 16 gb  
Rom- SSD 512gb  
Mouse - hp  
Keyboard - hp  
Monitor- 23.8in hp)

**Description of Labs:** The Web Technology Lab offers hands-on experience in designing, developing, and deploying web-based applications. Students explore a range of web technologies, including HTML, CSS, JavaScript, and various frameworks and libraries. Through practical exercises and projects, participants learn to create responsive and interactive websites, incorporating modern design principles and user experience enhancements. The lab covers topics such as client-server architecture, web security, and database integration, providing a comprehensive understanding of web development fundamentals. Emphasis is placed on exploring emerging trends and technologies in web development, such as responsive design, progressive web apps, and serverless architecture. Additionally, the lab encourages experimentation with multimedia elements, APIs, and third-party services, enabling students to create dynamic and engaging web experiences. By the end of the course, students gain proficiency in building functional and visually appealing web applications, prepared for careers in web development and related fields.

