SKILL LAB

ON

Web Craft: Hands-on Web Development Lab

For 3rd Semester Students

KLS GOGTE INSTITUTE OF TECHNOLOGY, BELAGAVI

Department of Computer Science & Engineering

Overview:

A **36-hour hands-on lab on web technology** will provide students with a comprehensive, practical introduction to the core aspects of web development. The students will be able to structure and style websites.They will be able to create responsive designs to the web pages that will adapt to different devices (mobile, tablet, desktop).Students will understand how to add interactivity to web pages, handle events, validate forms, and manipulate the DOM (Document Object Model).Web development has a wide range of applications that power much of the digital world. These applications span across industries, improving communication, commerce, services, and entertainment.
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Mode of Conduction of each Module: Offline
Theory: 10 Hours,
Demo: 10 Hours,
 Lab Sessions: 16 Hours
 Total duration: 36 Hours
Certification exam: 03 Hours

Module 1: Web Development and Introduction to HTML5

Sstructure of HTML5,Elements and Attributes,Images, audio, and video embedding,Forms and Input Elements

Module 3: JavaScript(JS)

Introduction to JS and how it works with HTML,Events and Event Handling

Module 2: Cascading Style Sheets

What is CSS and how does it work with HTML?,CSS syntax, selectors, and properties.Fonts, colors, and backgrounds. Introduction to Tailwind CSS.

Module 4:   Real world Website building Projects , AWS static website hosting.

Brainstorming sessions to pitch ideas to develop websites and host static websites

Terms and Conditions   .
Students who have paid a skill lab fee to the institution are eligible for training. The students must maintain 90% attendance for obtaining the skill lab certificate.

Students must attend training as per scheduled time.

Acceptance

In order to accept and start the training program, students are required to register with the respective department. Details to be provided by the student to the department include:

Name, USN, UID, Mobile No, Email id

Coordinator:
Name: Prof. Seena Kalghatgi
Dept. of CSE
Phone: 9739525527
E-mail: smkalghatgi@git.edu

Outcomes

Foundational Knowledge of Web Technologies.

Hands-On Project Experience.

Build a functional web project showcasing their skills.

Career Prospects: Web Designer, Front -end and Back-end Developers, Full Stack Developers.