LATTHE EDUCATION SOCITY'S POLYTECHNIC, SANGLI

DEPARTMENT OF COMPUTER ENGINEERING

MICRO PROJECT PROPOSAL

SUBJECT: Client Side Scripting

TITLE: Develop a university website using HTML,CSS JavaScript and Form Validation.

SUBMITTED BY:

Roll Number	Name	Enrollment Number
243205	Raghav Deepak Dattawadkar	2200430300

PROBLEM STATEMENT

Develop a university website using HTML,CSS JavaScript and Form Validation.

LITERATURE REVIEW

Creating a university website involves using HTML, CSS, JavaScript, and form validation to ensure it's functional and user-friendly. HTML forms the basic structure of the website, allowing us to organize and display content effectively. CSS is used to style the website, making it visually appealing and ensuring it works well on different devices like smartphones and tablets. JavaScript adds interactive features, such as allowing users to search for courses or get updates in real time, which enhances the overall user experience. Form validation is a key part of this process, as it checks that users fill out forms correctly, reducing mistakes and making sure the data entered is accurate. This not only helps users by guiding them to provide the right information but also makes managing the website easier by preventing errors. By combining these technologies, we can build a university website that is both attractive and easy to use, helping students, faculty, and staff find information and interact with the university efficiently.

In summary, leveraging JavaScript for university website development not only facilitates dynamic user interfaces but also strengthens data validation, ensuring a secure and efficient user experience. Future research should explore emerging JavaScript frameworks and their impact on form validation efficiency.

AIM OF THE MICRO PROJECT

- Learn to use JavaScript.
- To study CSS and Attributes.
- To study Forms in JavaScript and JavaScript Form Validation.

The aim of a project is to develop a university website using JavaScript and CSS(Cascading Style Sheet)and use of forms and form validation.

Through this project I learn to use some important topics related to JavaScript.

COURSE OUTCOMES ADDRESSED

- **Build Basic Web Pages**:

  - Create and structure web pages using HTML to organize content like headings, paragraphs, and links.

- **Style and Layout**:

  - Use CSS to design and style the website, including setting colors, fonts, and layouts to make the site visually appealing.

- **Add Interactivity**:

  - Implement JavaScript to add interactive features such as forms, buttons, and dynamic content to improve user engagement.

- **Ensure Mobile Compatibility**:

  - Apply responsive design techniques to ensure the website looks good and functions well on different devices, including smartphones and tablets.

- **Test and Refine**:

  - Test the website for functionality and fix any issues to ensure a smooth user experience across various web browsers.

PROPOSED METHODOLOGY

- **Plan the Website**:

  - **Identify Requirements**: Determine what features and pages the website needs (e.g., home page, contact form, course information).
  - **Create a Sitemap**: Outline the structure and navigation of the website.

- **Design the Layout**:

  - **Wireframe the Pages**: Sketch basic layouts of each page to visualize how content will be arranged.
  - **Choose a Design**: Select colors, fonts, and overall style to match the university's branding.

- **Build the Website**:

  - **Create HTML Pages**: Write the HTML code to set up the structure and content of each page.
  - **Style with CSS**: Use CSS to apply the chosen design elements and ensure a consistent look across all pages.
  - **Add Interactivity with JavaScript**: Implement JavaScript to enable interactive features like forms and dynamic content.

- **Test the Website**:

  - **Check Functionality**: Test all links, forms, and interactive elements to make sure they work correctly.
  - **Ensure Responsiveness**: Verify that the website looks and works well on different devices and screen sizes.

RESOURCES REQUIRED

Sr. No	Name of resource/material	Specifications	Remark
1.	Computer system with broad specifications	Intel Core I5 and later RAM 8GB, Windows 11 and later versions.	1
2.	Software	Visual Studio Code	1
3.	Any other resources used	Laser printer HP LaserJet Pro P1566 Printer.	1

ACTION PLAN

Sr. No.	Details of Activity	Planned Start Date	Planned Finish Date	Name Of Responsible TeamMember
1.	finalizationof topic			Raghav D. Dattawadkar
2.	Preparation and submission of project proposal.			Raghav D. Dattawadkar
3.	Creating layout of micro project.			Raghav D. Dattawadkar
4.	Content preparation.			Raghav D. Dattawadkar
5.	Memorize about required resources.			Raghav D. Dattawadkar
6.	Correction and implementation.			Raghav D. Dattawadkar
7.	Seminar.			Raghav D. Dattawadkar
8.	Final submission of micro project.			Raghav D. Dattawadkar

REFERENCE LINKS

- https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference

- https://www.w3schools.com/jsrEF/default.asp

- https://www.codewithharry.com/