 **I-TECH COMPUTEREDUCATION**

**WEB PROGRAMMING TOTAL MARKS: - 50**

1. Create a Header Footer and menu:

- Using HTML and Bootstrap, design a responsive header, footer and menu.

- Style the header, footer and menu with custom colours using CSS.

2. Form validation using HTML Bootstrap and JavaScript:

- Build a login form using Bootstrap form components.

- Include fields for "Email" and "Password."

- Use JavaScript to validate that the email follows a valid format (e.g., using regex) and the password is at least 8 characters long.

- If validation fails, display an error message below the form using Bootstrap alerts.

3. Image gallery with modal using Bootstrap and JavaScript:

- Create an image gallery where clicking on an image opens a larger version in a Bootstrap modal.

- Style the images using CSS to ensure they are displayed in a grid layout.

- Use JavaScript to dynamically change the image source in the modal when any image is clicked.

4. Create Nested Table using HTML, CSS.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| October months | | | | | | |
| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | 8 | 9 | 10 | 11 | 12 | 13 | 14 | | 15 | 16 | 17 | 18 | 19 | 20 | 21 | | 22 | 23 | 24 | 25 | 26 | 27 | 28 | | 29 | 30 |  |  |  |  |  | | | | | | | |

5. Dynamic to-do list using HTML, CSS, and JavaScript:

- Build a to-do list where users can add tasks dynamically using HTML and JavaScript.

- Use CSS or Bootstrap to style the tasks (e.g., add some spacing and colour).

- Include a feature to delete tasks by clicking on them.