# KIET GROUP OF INSTITUTION DELHI NCR GHAZIABAD

## REPORT


department of computer science and engineering

# Mlsa internship

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**BRANCH** :CSE
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# TABLE OF CONTENT

# INTRODUCTION

**This report covers the To-Do list and Calculator projects.**

**A To-Do List is a tool for organizing tasks, allowing users to add, edit, or delete tasks and mark them as completed. It's essential for managing priorities and staying productive.**

**A Calculator is used to perform basic to advanced mathematical operations. In programming, creating a calculator involves designing input handling and processing functions to display results for various calculations.**

# PROJECT 1:TO-DO LIST

**Objective**

- **Purpose of the Application:**
- Create an easy-to-use, interactive to-do list app to help users manage tasks efficiently.
- Allow users to add, mark as complete, and delete tasks with a simple, intuitive interface.
- Store tasks in local storage so they remain available even after the browser is closed or refreshed.

**Technologies Used**

- **HTML:** Structures the layout of the app and provides the elements for task input and display.
- **CSS:** Styles the app to make it visually appealing and user-friendly.
- **JavaScript:** Adds interactivity for managing tasks (add, mark complete, delete) and handles local storage for data persistence.

**Key Features**

- **Add Task:** Users can type a task and add it to the list.
- **Mark as Complete:** Users can click on a task to toggle it as "completed" with a strikethrough or different styling.
- **Delete Task:** Users can remove tasks from the list individually.

Future enhancement:

.adding deadline ,priority level

# PROJECT 2:CALCULATOR

**Objective**

- **Purpose of the Application:**
- Create an easy-to-use, interactive to-do list app to help users manage tasks efficiently.
- Allow users to add, mark as complete, and delete tasks with a simple, intuitive interface.
- Store tasks in local storage so they remain available even after the browser is closed or refreshed.

**Technologies Used**

- **HTML:** Structures the layout of the app and provides the elements for task input and display.
- **CSS:** Styles the app to make it visually appealing and user-friendly.
- **JavaScript:** Adds interactivity for managing tasks (add, mark complete, delete) and handles local storage for data persistence.

**Key Features**

- **Add Task:** Users can type a task and add it to the list.
- **Mark as Complete:** Users can click on a task to toggle it as "completed" with a strikethrough or different styling.
- **Delete Task:** Users can remove tasks from the list individually.
- **Persistent Storage:** Tasks are saved in local storage, so they remain on the list after refreshing the page.

**Future Enhancements**

- **Edit Tasks:** Add the ability to edit a task after it has been added.
- **Categories/Prioritization:** Allow users to categorize tasks or assign priority levels

**Conclusion**

Through these projects, we explored practical applications using HTML, CSS, and JavaScript, building a functional calculator and an interactive to-do list.
Each project highlights essential programming skills: the calculator focuses on mathematical logic and user interaction, while the to-do list emphasizes data handling and persistence through local storage.

**Key Takeaways:**

Both projects reinforce core web development concepts, such as DOM manipulation, event handling, and designing for user experience.
Building these applications helped cultivate a deeper understanding of JavaScript, including working with arrays, loops, and basic error handling