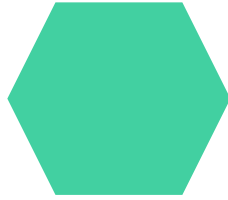


Digital Portfolio



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DEPARTMENT : Bsc (AI&ML)

COLLEGE/ UNIVERSITY : Cheran Arts Scince College/ Bharathiyar University



PROJECT TITLE



Watering Reminder



AGEND

A

1. Problem Statement
2. Project Overview
3. End Users
4. Tools and Technologies
5. Portfolio design and Layout
6. Features and Functionality
7. Results and Screenshots
8. Conclusion
9. Github Link



PROBLEM STATEMENT

“Small-scale farmers often struggle to keep track of crop watering scheduled, leading to either under-watering or over-watering ,which affect crop yield and resource efficiency.

There is a need for a simple, accesible, and offline-friendly web application that helps farmers monitor and manage watering Intervals for different crops based on last watering date and crop type”

objectives:

1. Build a lightweight web app using Html, css and javaScript.
2. Allow users to select crop type and input last watering date.
3. Calculate and display the next recommended watering date .
- 4.provide visual cues or alerts when watering Is due.



PROJECT OVERVIEW

Goal

To Help farmers in Palladam and beyond keep track of crop watering scheduled using a simple , browsers -based tool .



Built With

Html for structure

Css for styling

JavaScript for logic and reminders

Key Features

- 1.Select crop type (e.g.,rice , cotton, maize)
- 2.Input last watering date
- 3.Get reminder for next watering based on crop -specific intervals
- 4.Works offline -no login or internet required

Why It Matters

This tool supports better crop health, saves water , and reduces the stress of remembering schedules manually.



WHO ARE THE END USERS?



1. Small – Scale Farmers
2. AgriCultural Steudent & Student
3. Elderly Farmers
4. Community Volunteers & NGOs



TOOLS AND TECHNIQUES



Tool	Purpose
HTML	Structure of the form, buttons , layout
Css	Styles the Interface for readability and usability
JavaScript	Adds logic to calculate watering intervals and show reminders
Browser Console	For debugging and testing JavaScript Code
Testing Editor (eg., Codepen)	Writing and organizing your code pen
Mobile Browser	Testing responsiveness and offline usability
Local Storage	Saving Crop data without a backend

“Tech For Every Day Impact”

feature project (“ what I Learned”)

*Motivations Like For (eg., building formers , Tamil accessibility)
purpose of people reach out easily*

Skills List

[HTML , Css , JavaScript , Problem Solving]

FEATURES AND FUNCTIONALITY

Crop Selection

Last Watering Date Input

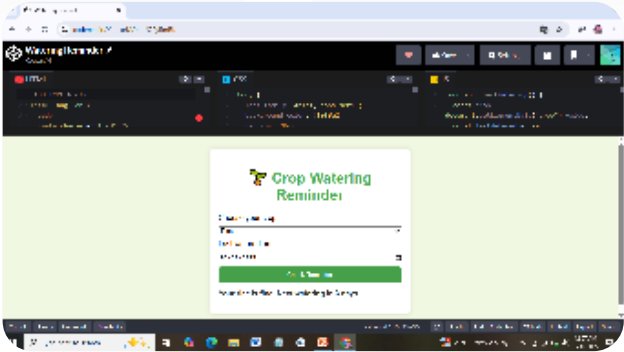
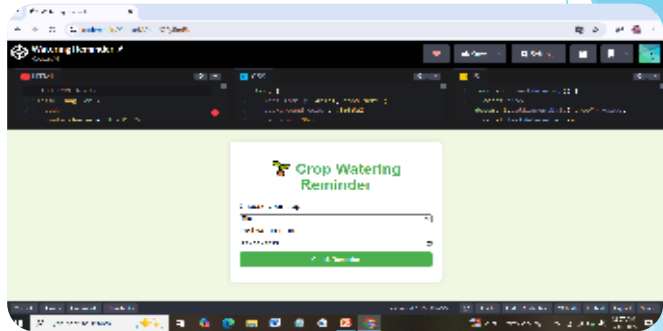
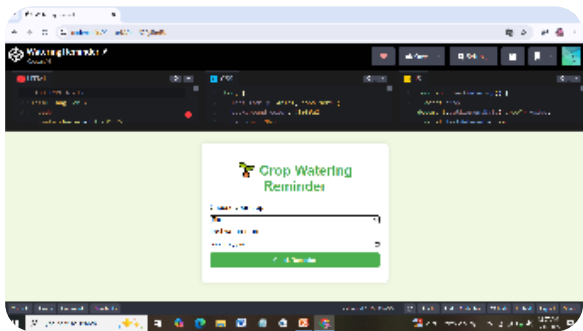
Smart Reminder Calculation

Mobile -Friendly Design

Offline Functionality

Local Language Support

RESULTS AND SCREENSHOTS



CONCLUSION

The Crop Watering Reminder Page is a practical, lightweight solution designed to support small-scale farmers in managing their irrigation scheduled more effectively. By combining simple web Technologies-HTML, CSS, and JavaScript-with a users –friendly interfaces , the page empowers users to make timely decision that improve crop health and conserve water.

This project reflects your commitment to solving world problems through accessible technology. Its not just a coding exercise –it's a step toward digital tools that that serve communities , especially in rural areas like Palladam . With future enhancements like Tamil language support and offline data storage, this page can grow into a vital resource for farmers across regions