



COLLEGE CODE :9504

COLLEGE NAME:Dr.G.U.Pope college of engineering

DEPARTMENT :CSE

STUDENT NM-3E3132C425B8CF68D844887C629A4544

ROLL NO:950423104009

DATE:22/09/2025

Completed the project named as phase 3

NAME :Live Weather Dashboard

SUBMITTED BY,

NAME: Ganesh Kumar M

MOBILE NO:7695953930

Phase 3 — Live Weather Dashboard

1. Project Setup

- Initialize the project structure (folder setup, frameworks, libraries).
- Configure environment (IDE, dependencies, build tools).
- Create a GitHub repository for version control.

2. Core Features Implementation

- Develop the minimum set of features that deliver the project's main value.
- Ensure only essential features are included (no extras at this stage).
- Example: For a weather app → current weather display, location search.

3. Data Storage (Local State / Database)

- Decide between local state management (for small apps) or database integration (for persistent data). Implement storage solution:
 - Local: React state, Redux, or browser storage.
 - Database: MySQL, MongoDB, Firebase, etc.

4. Testing Core Features

- Perform unit testing on individual modules.
- Integration testing for data flow and feature interaction. Debug and fix issues early to ensure reliability.

5. Version Control (GitHub)

- Regularly commit code with meaningful messages.
- Use branches for new features/bug fixes.
- Merge and maintain a stable main branch. Track progress and collaborate effectively.

■ By the end of Week 8, you should have a working MVP (Minimum Viable Product) with all core features functional, stored data handled, tested modules, and the project maintained in GitHub.