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St. MOTHER THERESA ENGINEERING COLLEGE

COMPUTER SCIENCE ENGINEERING

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PHASE-5

FRONT END TECHNOLOGY

LIVE WEATHER DASHBOARD

SUBMITTED BY,

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Overview

Phase 5 concludes the project lifecycle, focusing on demonstration, documentation, and final submission. It consolidates outcomes from previous phases and showcases a working product along with comprehensive reporting and evidence of successful deployment.

Final Demo Walkthrough

- Present a walkthrough of the complete application, highlighting implemented features and user flows.
- Demonstrate how core functionalities meet the objectives outlined in earlier phases.
- Include deployment verification, performance highlights, and API response examples.
- Record or perform a live demo explaining major components, workflows, and results.

Project Report

- Compile a report summarizing each project phase (1 –4) and Phase 5 results.
- Cover objectives, design approach, implementation steps, testing outcomes, and enhancements.
- Include observations, lessons learned, and areas for future improvement.

Screenshots / API Documentation

- Provide clear screenshots of user interface components, dashboards, and results.
- Include example API requests and responses for key functionalities.
- Present a concise API reference (endpoints, methods, parameters, response fields) for maintainers and reviewers.

Challenges & Solutions

- Summarize technical and non - technical challenges faced during development and deployment.
- Detail solutions implemented, such as optimization strategies, error handling, or UI adjustments.
- Mention innovative approaches or tools that helped overcome major issues.

GitHub README & Setup Guide

- Ensure the GitHub repository contains a well -structured README file with project overview, setup instructions, and usage steps.
- Include dependency installation, environment setup, API configuration, and running instructions.

- Add example screenshots and link to the deployed demo within the README. **Final**

Submission (Repo + Deployed Link)

- Submitted the final GitHub repository link <https://github.com/Antro845/SMTEC-NM-IBM-Live-Weather-Dashboard.git> containing the complete and tested source code.
- Shared the deployed link <https://antro845.github.io/SMTEC-NM-IBM-Live-Weather-Dashboard/> demonstrating the live version.
- Verified both links are accessible and fully functional before submission.
- Confirmed that all documentation files are included.

References

This Phase 5 document maintains the design consistency of earlier phases. The cover retains the official logos but excludes the text 'Completed the project named as Phase 1'. For technical details, refer to Phases 1 through 4 documentation.