

Progress Report 2

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Project Name: F2025_4495_071_CKa004 (Weather Driver)

Work Log Table

| Date | Number of hours | Description of work done |
|--------------|-----------------|--|
| Oct 13, 2025 | 3 | Code review and testing of all implemented screens. Reviewed teammate's branches (chetan_300391004 and pukar-dev) to ensure consistency with the pravesh-updates branch. Identified minor styling inconsistencies and documented them for team discussion. |
| Oct 15, 2025 | 3 | Discussed midterm report requirements and demonstration expectations. Clarified submission format and documentation needs. Took notes on marking criteria, emphasis on technical documentation and working demo. |
| Oct 18, 2025 | 2 | Follow-up client meeting. Reviewed updated Figma designs for Edit Profile, Map, and Notification screens. Client finalized some design changes. Discussed implementation priorities for remaining features. Captured screenshots of updated Figma designs for reference. |
| Oct 20, 2025 | 3.5 | Refined gas station screen UI based on client feedback from Oct 18 meeting. Adjusted spacing, colors, and alignment to match updated Figma specifications. Fixed minor navigation issues where back button behavior was inconsistent. Tested all navigation flows in settings section. |
| Oct 21, 2025 | 4 | Worked on code optimization and cleanup across all screens I implemented. Removed console.log statements, cleaned up unused imports, and improved code comments for better readability. |

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| | | Refactored modal components to reduce code duplication. Created a reusable modal wrapper component for consistent modal styling. |
| <i>Oct22, 2025</i> | 3 | Comprehensive testing session with team members. Tested the app on both iOS simulator and Android emulator. Identified bugs, modal animation glitches on Android, brand search case sensitivity issue, and navigation state persistence. |
| <i>Oct23, 2025</i> | 4 | Began work on midterm report. Reviewed the proposal document to understand what sections need to be carried forward. Started drafting “Implemented Features” sections for Settings Menu and Gas Station functionality. Captured screenshots of implemented screens for report documentation. |
| <i>Oct 24, 2025</i> | 4 | Continued midterm report writing, detailing the Settings Menu and Gas Station screen implementations, including component structure, state management, and navigation flow. Created supporting diagrams and collaborated with Chetan and Pukar via video call to integrate sections like Introduction, Technology Stack, and Challenges, ensuring consistent formatting and writing style throughout. |
| <i>Oct 25, 2025</i> | 4 | Prepared demo presentation slides highlighting key features such as Authentication, Navigation, Map, Settings, and Gas Station functionalities. Practiced the full demo flow to ensure a smooth and error-free presentation, with clear talking points explaining technical decisions. Conducted intensive team rehearsals to coordinate roles, test the demo environment, and create backup plans for potential issues. Finalized the report with consistent formatting, added visuals and code snippets, and verified all references and screenshots before submission. |

Description of Work Done:

During this reporting period, I contributed extensively to both the technical and documentation aspects of the Weather Driver mobile application project. I began with a comprehensive code review and testing of all implemented screens, ensuring that the teammates' branches were consistent with my own updates. This process helped identify minor styling and structural inconsistencies, which I documented for later correction.

I participated in team discussions to clarify midterm report requirements and demonstration expectations, taking detailed notes on marking criteria and technical documentation standards. Following this, I attended a client meeting to review and finalize Figma design updates for the Edit Profile, Map, and Notification screens. The client provided feedback on layout refinements, which guided subsequent UI adjustments.

In the following days, I refined the Gas Station screen UI according to the updated Figma specifications, improving visual spacing, color balance, and navigation flow. I also resolved inconsistencies with the back button behavior and validated all navigation paths under the Settings section. To further enhance maintainability, I focused on code optimization, removing redundant console logs, cleaning unused imports, and improving readability through detailed comments. I additionally refactored modal components to create a reusable modal wrapper for consistent UI styling.

A joint testing session with the team was conducted on both iOS and Android platforms, during which we identified several issues, including animation glitches and search sensitivity bugs. I helped document and prioritize these findings for resolution.

As the midterm submission approached, I began drafting the report, focusing on the technical details of implemented features like the Settings Menu and Gas Station screen. This included writing about component structures, state management, and navigation logic, supported by screenshots and diagrams. I collaborated with Chetan and Pukar to merge sections of the report, ensuring uniform formatting and writing style.

Toward the end of the reporting period, I created and refined demo presentation slides, showcasing the app's major functionalities—Authentication, Navigation, Map, Settings, and Gas Station. The team conducted several practice runs to ensure smooth delivery and coordinated transitions.