

**Melt Monitor**

**Sprint 3 Progress Report**

Team 6

Chance Kissel, Lwin Moe

Paul Lewis Marcos, Soham Bhowmick

Prof. Dominic Abucejo

FA25: CS-160 Sec 03 - Software Engr

Department of Computer Science, San Jose State University

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## Sprint 3 Progress Report

- The main dashboard/landing page has been implemented with KPI cards for each individual statistic for CO2, temperature, and Glacier Index.
- Progress towards finding an open-source template that aligns with our vision for the page has been completed.
- Implementation for using real-time data to update these cards has been started and will continue through sprint #4.
- The color map has been implemented and progress on the prediction/history slider will continue through sprint #4.
- We are exploring using a linear regression model for our predictions.
- Will begin implementation of data validation and error handling along with performance tuning.

### Notes:

- Development progress has been hindered the same as sprint #2 by midterms, delaying code implementation and meeting times.

### Next Steps:

- Complete the map component for the website using Leaflet.
- Finalize backend integration and ensure data is up-to-date.
- Implement all visualization charts and maps.
- Improve interface design and test for dashboard responsiveness.