Using Claude: Agentic AI for Students & Staff

Ethical and Efficient Applications of Artificial Intelligence in Higher Education



Isabella H. Alaimo | Dr. Gary Hrezo

Eastern Florida State College

Abstract

This project applies ethical and environmental guidance to two Claude-built scheduling agents, one for faculty and staff and one for students. Using a hybrid of small (SLM) and large (LLM) language models to reduce energy use, the agents are compared on fairness, privacy, transparency, and human control, showing how agentic AI can improve higher education workflows responsibly.

Claude

Generative AI
Generates text, pictures, or code from a prompt. Can be disorganized, and unhelpful when prompted incorrectly.

Agentic AI
Works toward a goal. Human stays in. Plans -> Chooses Tool → Completes Step → Repeats (Anthropic, 2026).

Methodology

- Built Scheduling Agent with Claude Projects.
- Goal: Read schedules, pull dates. spots heavy workload, balances work, and checks plans for you. Tested in a Student and Faculty lense. Ensure agents are developed with enviormental and ethics factors in mind.
- Github interactive website DEMOs and how to make your own webites developed.

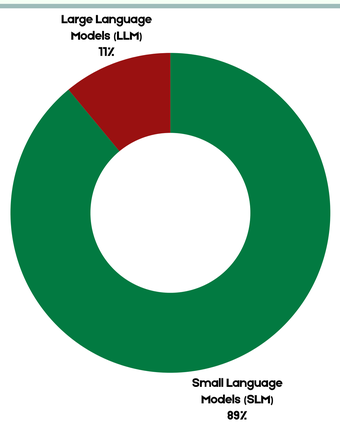
Impacts

Saves time: students improve procrastionation and do not have to write out weekly plans by hand; staff skip gathering schedules and progress, data is pulled for you. Reduced stress levels: feeling in control of your time is linked to lower stress (Macan et al., 1990). Ethics & Enviorment first: hybrid set up, fairness, privacy, openness, and human control guide how the agent is used.

Make Your Own Scheduling Agent

Step by Step Guide

Research Findings



New technology is wonderful, however approaching it correctly is of upmost importance. U.S. GAO (2025) states that there is a 4% to 6% usage of energy in the United States taken by Data Centers, which can increase unnecessarily if technology is not handled with consideration. Hybrid models purpose a solution, which are a use of small and large language models have shown a significant decrease in energy usage, making them environmentally friendly, reducing costs and allowing for the technology to be utilized with specialized models that are designed for specific tasks. Approximately 89% less energy is used by using these models properly (around 10x smaller than LLMs). Only displaying a slight loss in accuracy. (Zschache & Hartwig, 2026). See chart.

Agentic AI usages in companies have been proven to improve morale, stress, and overall efficiency standards. Research shows, that usuage of proper Agent implementation has displayed a 29% gain in planning efficency and reduced workflow conflicts by 25%. (Hassan et al., 2026).

Agent Development Demonstrations: Scan Me!

Students
Weekly Scheduling Agent

How it Works: Paste your syllabus schedules and get a balanced Monday-Friday checklist, so work is balanced and organized.

Faculty/Professors
Semester Planner & Student Progression Agent

How it Works: Build a semester schedule, spot heavy weeks, and sort class progress so you go straight to who needs a check-in. (FERPA)