

Claude AI Mastery Day 2

Overview

- Day 2 training had 34 attendees, a decrease from Day 1's 80; sessions recorded with quizzes for retention assessment planned.
- AI fundamentals covered include machine learning, deep learning, generative AI, and the agent loop process for autonomous decision-making.
- Claude, founded by ex-OpenAI researchers, has three models: Opus, Sonnet, and Haiku, emphasizing the importance of a large context window.
- Five access methods established for Claude, with a recommendation for the pro plan over the free version due to token limits; eight successful installations confirmed.
- Claude Chat for conversational AI, Claude Cowork for team collaboration, and Claude Code for enterprise app development were highlighted.
- Three operating modes discussed: Normal, Auto Accept, and Plan Mode, with built-in safety features based on Constitutional AI principles.
- Practical demonstrations included creating an ROI calculator for content creators and a sales dashboard with automated KPIs.
- Claude Skills Hub enables users to customize skills for various tasks; auto-triggering of appropriate skills enhances efficiency.
- Quiz results showed top performers: Ready (1st), Ramesh (2nd), with Shantanu and Manish tied for 3rd, reflecting good engagement and retention.

Notes

Session Structure and Logistics (21:43 - 01:45:26)

- Day 2 of Claude training with about 34 attendees, fewer than Day 1's 80.
- Session recorded with a quiz planned in final 15 minutes to test retention.
- Emphasis on punctuality and time management for future sessions.
- Materials and recordings to be shared via Google Drive after sessions.

Day 1 Recap and Foundational Concepts (26:23 - 36:13)

- Covered AI fundamentals including machine learning, deep learning, generative AI, and agentic AI.
- Explained agent components: brain with planning, memory systems, and tool integration.
- Distinguished automation (deterministic) from agentic AI (non-deterministic).
- Described agent loop process: Think, Act, Observe cycle for autonomous decisions.

Claude Platform Overview and History (31:49 - 33:12)

- Claude founded by ex-OpenAI researchers focusing on Constitutional AI and responsible AI.
- Three Claude models: Opus (powerful), Sonnet (balanced), Haiku (fast with shorter context).
- Importance of large context window for retaining code and information.
- Claude releases impact stock prices of competitors like Figma and IT companies.

Claude Setup and Installation Requirements (43:39 - 01:29:18)

- Five access methods: web, desktop app, Chrome extension, CLI/terminal, VS Code extension.
- Pro plan recommended over free due to token limits.
- Installation steps include downloading VS Code, Git for Windows, running commands, configuring permissions, and login.
- Eight participants confirmed successful installation during session.

Claude Products and Capabilities (57:23 - 02:11:21)

- Claude Chat for general conversational AI.
- Claude Cowork for team collaboration with multiple specialized agents.
- Claude Code focused on enterprise app development.
- Chrome extension demo showed autonomous flight booking across travel sites.

Operating Modes and Safety Features (01:05:35 - 02:56:59)

- Three operating modes: Normal (permission required), Auto Accept (skips prompts), Plan Mode (plans without action).
- Built-in safety via Constitutional AI principles: privacy, toxic content prevention.
- Users share responsibility for AI actions and decisions.

Practical Demonstrations (02:24:48 - 02:59:00)

- Created ROI calculator artifact for content creators to assess AI investment returns.
- Built sales dashboard using AdventureWorks dataset with automated data modeling and KPIs.
- Introduced artifacts as mini-applications within Claude that can be shared and published.

Skills and Customization Features (02:18:16 - 02:41:59)

- Claude Skills Hub offers capabilities like PowerPoint, Excel, PDF processing, UI design.
- Users can create custom skills teaching Claude specific work styles.
- Claude auto-triggers appropriate skills for tasks without manual input.
- Personal instructions allow Claude to remember user preferences globally.

Quiz Results and Assessment (03:12:14 - 03:21:05)

- Quiz covered Anthropic history, Constitutional AI, model selection, tokenization, adaptive thinking, operating modes.
- Top performers were Ready (1st), Ramesh (2nd), with Shantanu and Manish tied for 3rd.
- Good participant engagement and retention of previous session concepts.

Summary

Claude AI Program Review Session

Sanjay and Aniket conducted a session reviewing the first day of the Claude AI program, which covered fundamental AI concepts including agentic AI, agent components, and automation differences. They discussed Claude's history, models (Opus, Haiku, and Sonnet), tokens, context windows, and reasoning capabilities. The session included plans for a quiz at the end to test knowledge retention from the previous day's content, with recommendations for new joiners to review the recordings and whiteboards to catch up on foundational concepts.

Agentic AI and Claude Training

Sanjay continued his training on agentic AI and cloud evolution, discussing the differences between various large language models and their use cases. He explained the progression from software development with generative AI to the current agentic AI era, where multiple autonomous agents can work together to create enterprise-grade applications. The session focused on Claude setup and plans, with Sanjay recommending a Pro plan (\$100/month) over the free plan for better training productivity, and introduced the Claude desktop application and Chrome extension as additional access methods beyond the browser version.

Claude Browser Extension Demo

Sanjay demonstrated the new Claude browser extension, showing how it can act as an agent to automatically search for and compare flight options across multiple travel websites. He explained that while the extension can create plans and perform actions like browsing websites and booking flights with user approval, it follows responsible AI principles by requiring explicit permission before executing sensitive operations. Sanjay emphasized that users remain responsible for their actions with AI tools and should carefully consider the consequences before approving any actions involving personal data or financial information.

Claude CLI Training Session

Sanjay led a training session on installing and using Claude CLI and Visual Studio Code extension. He demonstrated the step-by-step process for installing Claude CLI on Windows and Mac, including the necessary commands and requirements like Git installation. Sanjay also showed how to set up the Claude extension in Visual Studio Code and explained the five main ways to use Claude: web, desktop, CLI, Chrome extension, and VS Code extension. He encouraged participants to follow the instructions carefully and provided support for those experiencing installation issues, noting that documentation and resources would be available in their shared drive.

Claude Installation Troubleshooting Session

Sanjay addressed installation errors experienced by several participants and instructed them to follow the provided lab documentation and support resources. He announced a 20-minute break before transitioning to practical Claude usage, including running prompts through Claude Chat, Claude Co-work, and Claude Code. Sanjay emphasized the importance of completing the setup process within 20-25 minutes and encouraged participants to reach out to the team or connect with others who had successfully installed the software for assistance.

Claude Account Features Overview

Sanjay explained the key differences between Claude Chat and Claude Cowork, describing Chat as general-purpose like ChatGPT while Cowork functions like a team of specialized agents. He demonstrated how to configure Claude account settings, including basic preferences, account-related options, and permissions for different platforms. Sanjay also introduced the "Instructions for Claude" feature, which allows users to store personal notes that Claude can reference across different chats and co-work sessions, and mentioned the concept of artifacts for code work.

Claude Artifacts and Skills Overview

Sanjay explained the concept of artifacts in Claude, describing them as mini applications that can be created within the platform. He demonstrated how to build an ROI calculator from scratch as an example, showing the process of setting up instructions and customization options. Sanjay also introduced the concept of skills in Claude, explaining that they are additional capabilities that enhance the platform's functionality, similar to how software tools like Excel and PowerPoint extend user capabilities beyond basic operations.

Claude Skills System Overview

Sanjay explained Claude's skills system, describing how default skills like PowerPoint and Excel work, and how users can create custom skills to teach Claude specific ways of performing tasks. He demonstrated the Claude Skill Hub and clarified that skills are automatically triggered when relevant tasks are assigned, as Claude can map skills to appropriate requests without manual triggering. The discussion concluded with Sanjay mentioning he would show how to create and save skills in folders, and he briefly mentioned an ROI calculator project he had asked Claude to work on.

ROI Calculator with Claude Demo

Sanjay demonstrated how to create and publish an ROI calculator using Claude, showing examples of calculating potential savings from using AI for video creation. He explained Claude's three operating modes (normal, auto-accept, and plan mode) and how to switch between them using Shift+Tab. Sanjay also illustrated how to use Claude's co-work feature to work with multiple data files by selecting folders and granting permissions, using Adventure Works sales data as an example.

Claude Dashboard Creation Demonstration

Sanjay demonstrated how to create a dashboard using Claude, specifying key performance indicators (KPIs) such as total revenue, total orders, total profit, profit margin, total customers, SKUs sold, and breakdowns by country, geography, customer, and product categories. He showed the process of connecting multiple data files and creating a functional dashboard in minutes, emphasizing the efficiency and automation capabilities of the tool. Following the demonstration, Sanjay conducted a quiz to assess the audience's understanding of concepts from recent sessions, including the history of Anthropic, adaptive thinking in Claude, and agentic AI principles. He

announced that the dashboard and related materials would be shared in the Google Drive link for future reference.