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Research Task

GIAIC (Qurater 03)

Title: Agentic AI - Research Summary

1. *What is Agentic AI?*

   Agentic AI refers to artificial intelligence that can take actions on its own. It can plan tasks, make decisions, and complete goals without needing constant human instructions. It behaves like an "agent" that can think and act independently.

2. *What are LLMs (Large Language Models)?*

   LLMs are advanced AI models trained on huge amounts of text data. They understand and generate human-like language. Examples include ChatGPT and Google Bard. They are the brain behind many AI tools we use today.

3. What is Generative AI?

Generative AI is a type of AI that creates new content like text, images, videos, or music. It uses patterns from existing data to make something new. ChatGPT, DALL·E, and Mid-Journey are common examples of Generative AI.

4. Difference between Generative AI and Agentic AI:

- *Generative AI only creates content based on a prompt (like generating text or an image).*

- *Agentic AI not only creates but also takes actions, plans steps, and makes decisions to reach a goal.*
  For example, Generative AI can write an email,

but Agentic AI can write the email and also send it at the right time to the right person.

5. What is OpenAI's Agents SDK?

The OpenAI Agents SDK is a tool that helps developers build their own intelligent agents using LLMs like GPT-4. It allows the agent to interact with tools, take actions, and complete tasks.

Why use it?

- *Easy to build smart agents*

- *Connects to OpenAI tools*

- *Automates tasks and increases productivity*
  It's useful for making AI assistants that can help with emails, research, coding, and more.

Conclusion:

Agentic AI is the future of intelligent systems. By combining the power of LLMs and tools like OpenAI's Agent SDK, we can build AI that not only understands language but can also act smartly and independently.