

# Conversable Agents can help to get things done(gtd)

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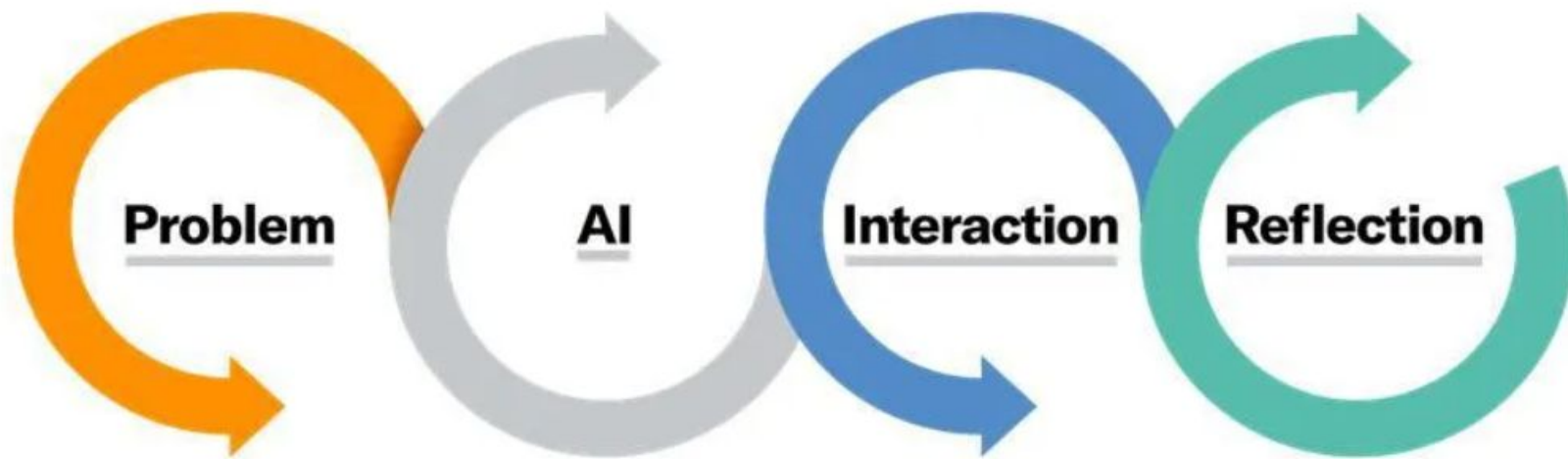
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## Objective

1. Objective is to develop individual agents equipped with the requisite capabilities, reusability, customizability, and effectiveness to facilitate multi-agent collaboration in addressing customer issues.
2. Additionally, we aim to establish methods for evaluating their proficiency in handling real-world challenges and limitations

# Generative AI integration framework with real time use cases



## **Formulate the problem.**

Identify the core problem, its components, and constraints.

## **Select suitable AI tools.**

Explore and identify the most suitable generative AI tools for your problem.

## **Interact with the AI tools.**

Experiment with different ways to interact; critically evaluate outputs and integrate them to tackle the problem.

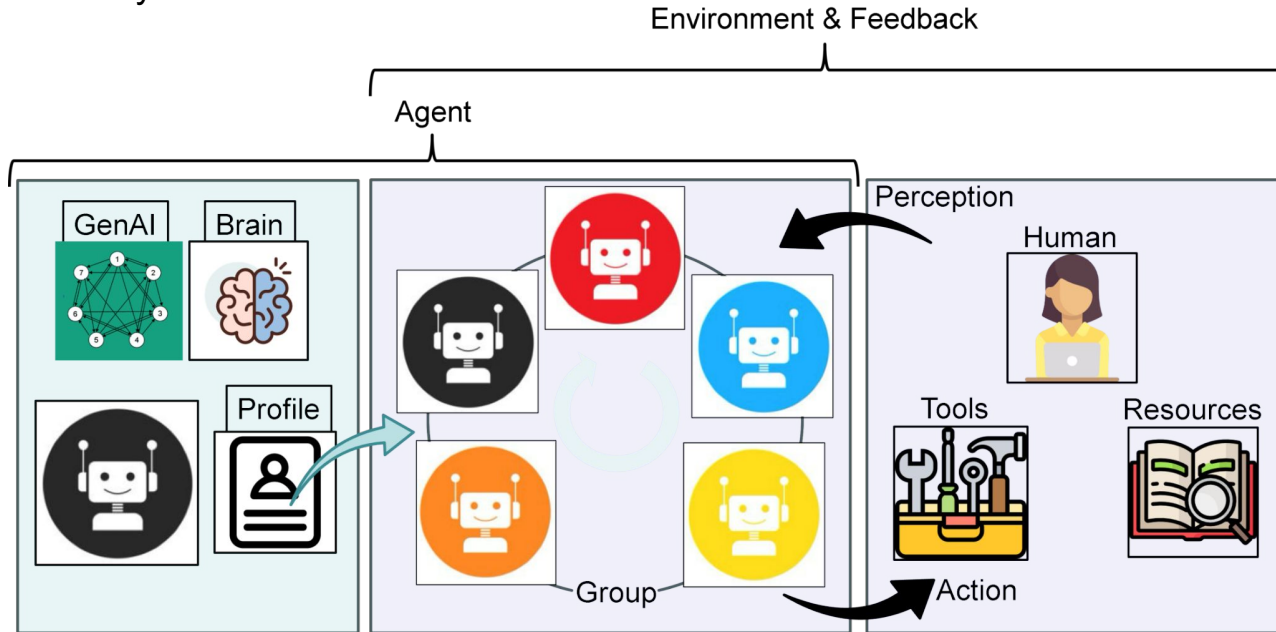
## **Reflect on the experience.**

Evaluate how the generative AI tool helped or hindered problem solving; reflect on your feelings when collaborating with generative AI.

# Agentic AI solutions and limitations

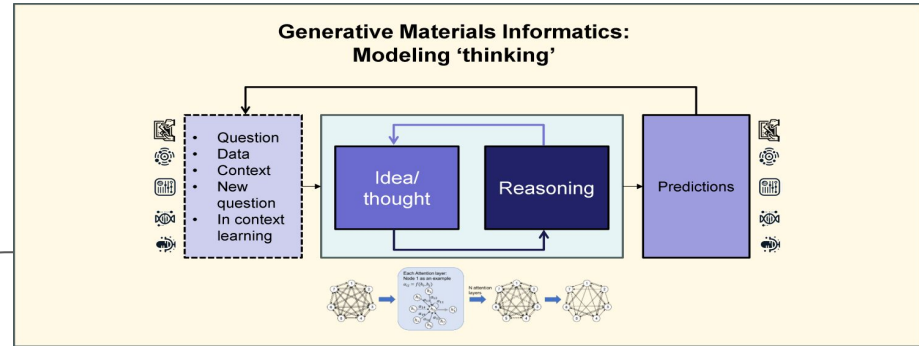
## 1. Agentic AI:

- Agentic AI marks a significant shift from reactive to proactive AI.
- AI agents are advanced systems that exhibit autonomy, proactivity and the ability to act independently.



# Agentic AI solutions and limitations

- By leveraging the power of multi-agent AI, we can creating systems that can not only assist human expert but also drive scientific inquiry and engineering problem solving, on their own
  - Administrator, Planner, Assistant/Engineer, scientist, Executor, Critic, Chat manager



In diagram modeling thinking process is enhanced by multi agent collaboration

- Expand from single inference step
- Include multiple modalities of data, responses
- Include physics and real-world feedback
- Self-assessment and self-learning
- Discovery of principles or solving specific tasks
- Biological paradigms: Bio-inspired neural network design

## **Agentic AI solutions and limitations**

- Many current AI models face limitations due to their passive approach to acquiring knowledge.
- These models excel in inference and generating new ideas within their trained data sets.
- However, they lack the capability to autonomously conduct empirical tests to validate their hypotheses.
- They can suggest hypotheses and possibilities but cannot independently verify them against real-world physical reality.

## Recommendations

1. Everything can not happen successfully all at once
2. It took time to create the new normal
3. Don't let fear hold you back from progress