

**Dr.SNS RAJALAKSHMI COLLEGE OF ARTS AND SCIENCE  
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Coimbatore- 49



**DEPARTMENT OF COMPUTER SCIENCE  
(ARTIFICIAL INTELLIGENCE & ROBOTICS)**

**What is AI**

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# DT- Stages in a Robotics



Stage	Meaning	Example (AI Context)
Empathize	Understand user needs and problems.	Users need faster decisions, automation, and smart solutions.
Define	Clearly identify the problem.	"How can machines think or make decisions like humans?"
Ideate	Generate possible AI-based ideas.	Speech recognition, image detection, chatbots, automation tools.
Prototype	Build a simple working model.	Basic chatbot, small ML model, demo of image classification.
Test	Check if the solution works well.	Test accuracy, user satisfaction, decision quality.



## What is AI?

What is AI?

AI is the ability of machines to mimic human intelligence.

What does AI enable systems to do?

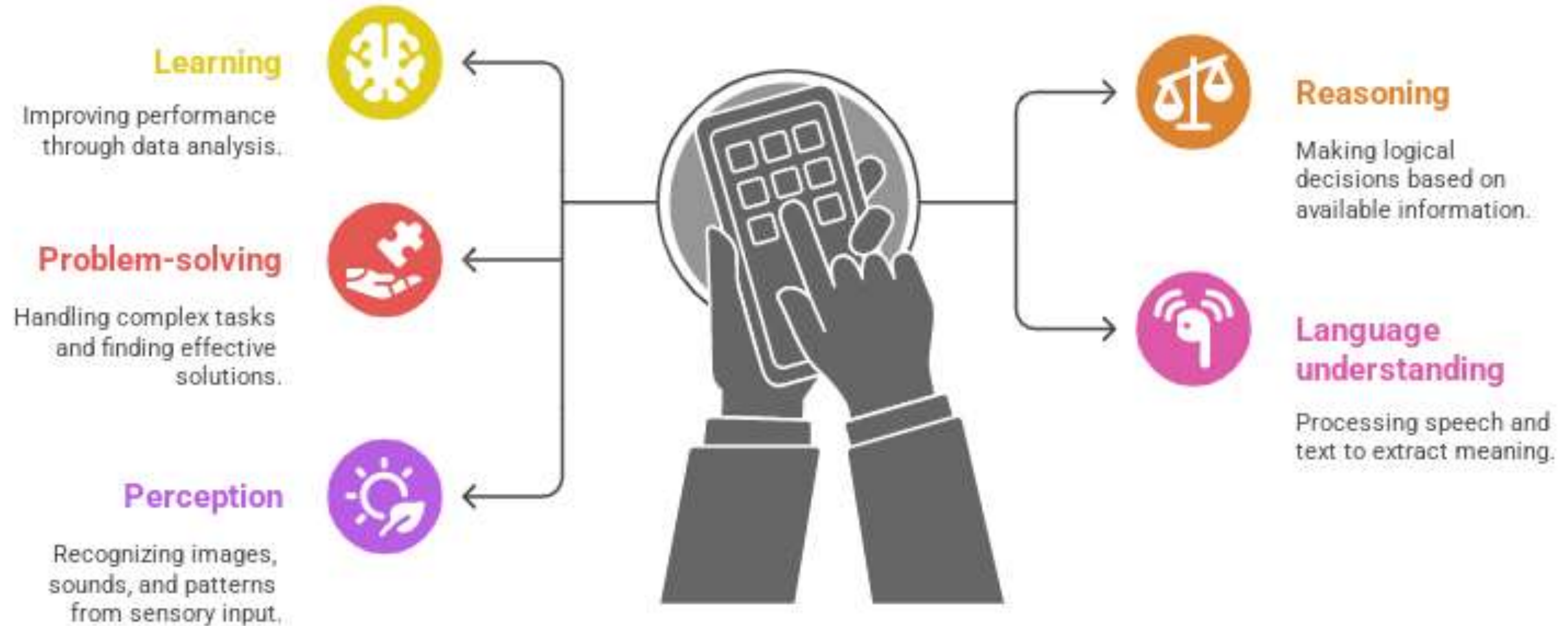
It enables systems to learn, reason, solve problems, and make decisions.

How does AI work?

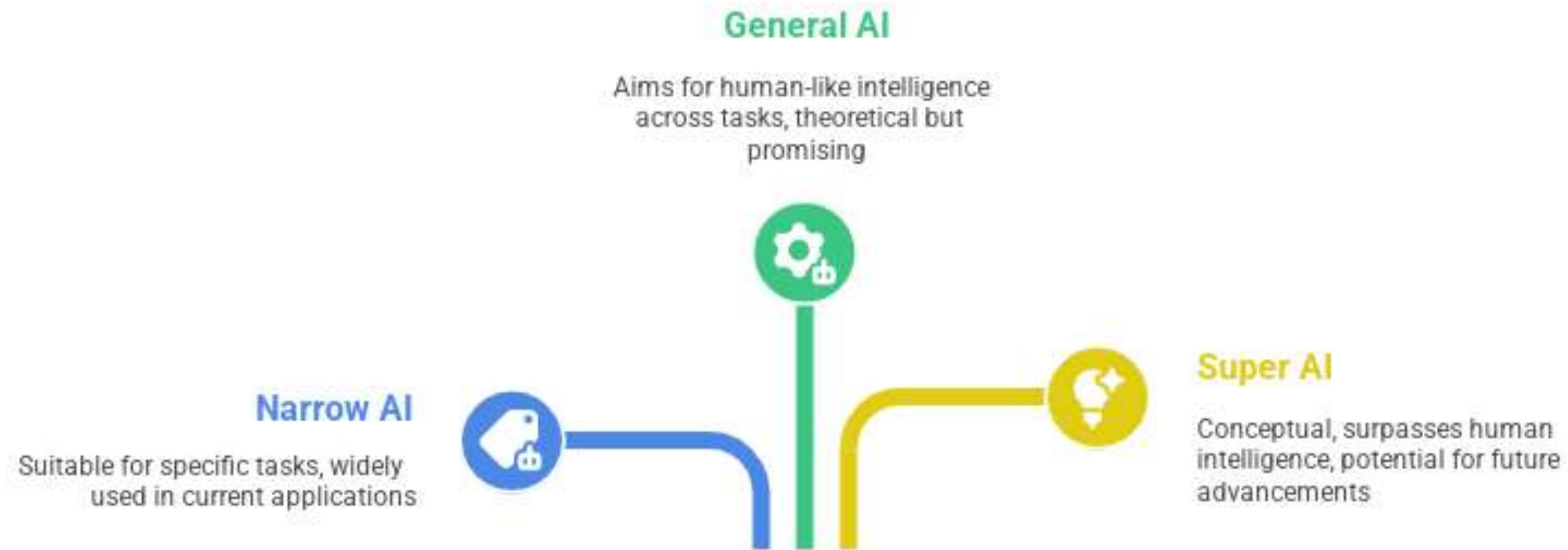
AI combines data, algorithms, and computing power to perform intelligent tasks.



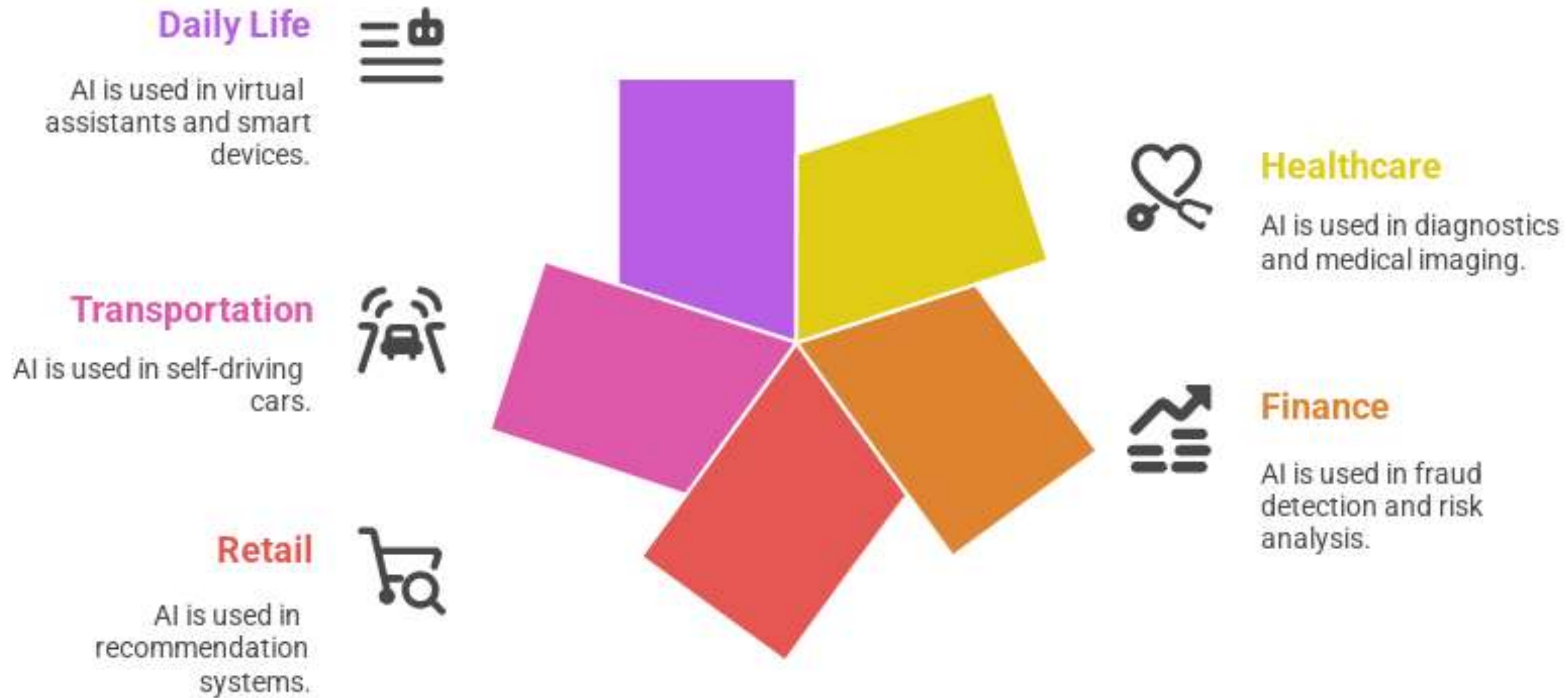
## AI Capabilities

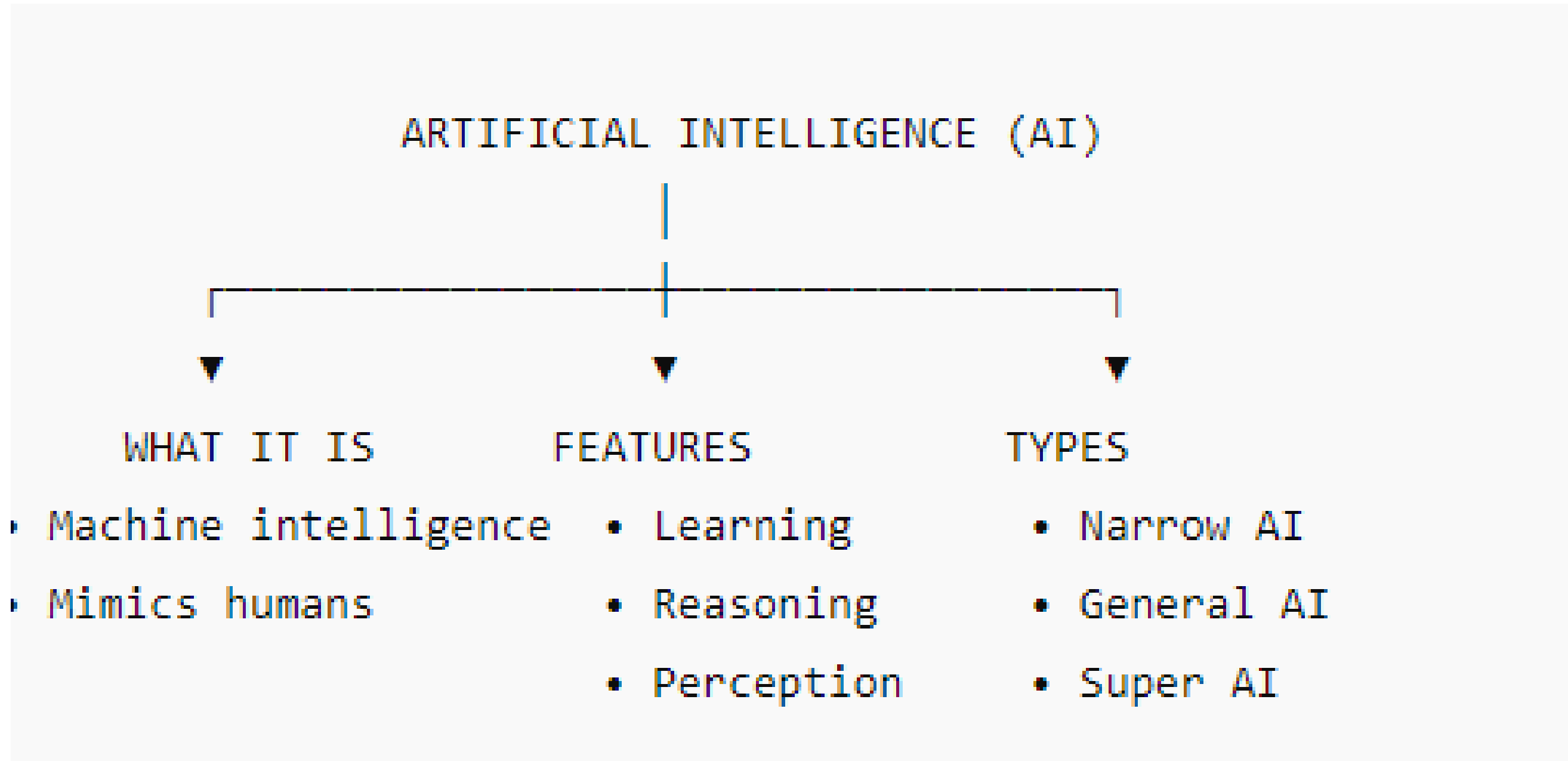


Which type of AI should be developed?



## AI Applications





1. What does AI mainly aim to mimic?  
A. Human muscles    B. Human intelligence    C. Animal behavior    D. Computer hardware
2. Which of the following is a key feature of AI?  
A. Sleeping    B. Reasoning    C. Painting    D. Battery backup
3. Narrow AI is designed to:  
A. Perform all human tasks    B. Work without electricity  
C. Perform one specific task    D. Replace computer hardware
4. Which of the following is an example of AI?  
A. Fan    B. Traffic light    C. Chatbot    D. Chair
5. AI is mainly used to:  
A. Reduce electricity    B. Make machines think and make decisions  
C. Remove all data    D. Build physical robots only

1. B. Human intelligence
2. B. Reasoning
3. C. Perform one specific task
4. C. Chatbot
5. B. Make machines think and make decisions

THANK YOU