



Artificial Intelligence

Coursework 01

Mind Map Drawing

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Introduction to artificial intelligence

AI, or artificial intelligence, is like having a computer or a robot that can do smart things. It's all about making machines do tasks that usually require human intelligence, like learning, solving problems, understanding language, or recognizing images.

There are two types of AI:

1. **Narrow AI**, which is designed to do specific tasks really well. For example, you might have seen voice assistants like Siri or Alexa, which can answer your questions or play your favorite songs. Or there are image recognition systems that can identify objects in pictures.
2. **General AI**, which is like having a machine that can be as smart as a human. It can understand things, learn new stuff, and do a wide range of tasks just like we can. But right now, we don't have this type of AI fully developed yet. It's more like a goal for the future.

AI is used in many different areas, like healthcare, finance, transportation, and even entertainment. For example, in healthcare, AI can help doctors analyze medical images or predict diseases. In transportation, AI is used to develop self-driving cars. So, it's a technology that can be really helpful in many ways.

Here are some of the advantages of AI:

1. AI can help us to solve problems that are too difficult or dangerous for humans to solve on their own. For example, AI can be used to diagnose diseases, find new planets, and even design new drugs.
2. AI can make our lives easier and more efficient. For example, AI can be used to automate tasks like booking appointments, making travel arrangements, and even shopping for groceries.
3. AI can help us to learn and grow. For example, AI can be used to personalize our learning experiences, provide us with feedback, and even help us to develop new skills.

Here are some of the disadvantages of AI:

1. AI can be used to create harmful or dangerous technologies. For example, AI can be used to create autonomous weapons that can kill without human intervention.
2. AI can lead to job losses. As AI becomes more sophisticated, it is likely to automate many jobs that are currently done by humans.
3. AI can be used to invade our privacy. AI systems can collect and store vast amounts of data about us, which could be used to track our movements, monitor our online activity, and even predict our future behavior.

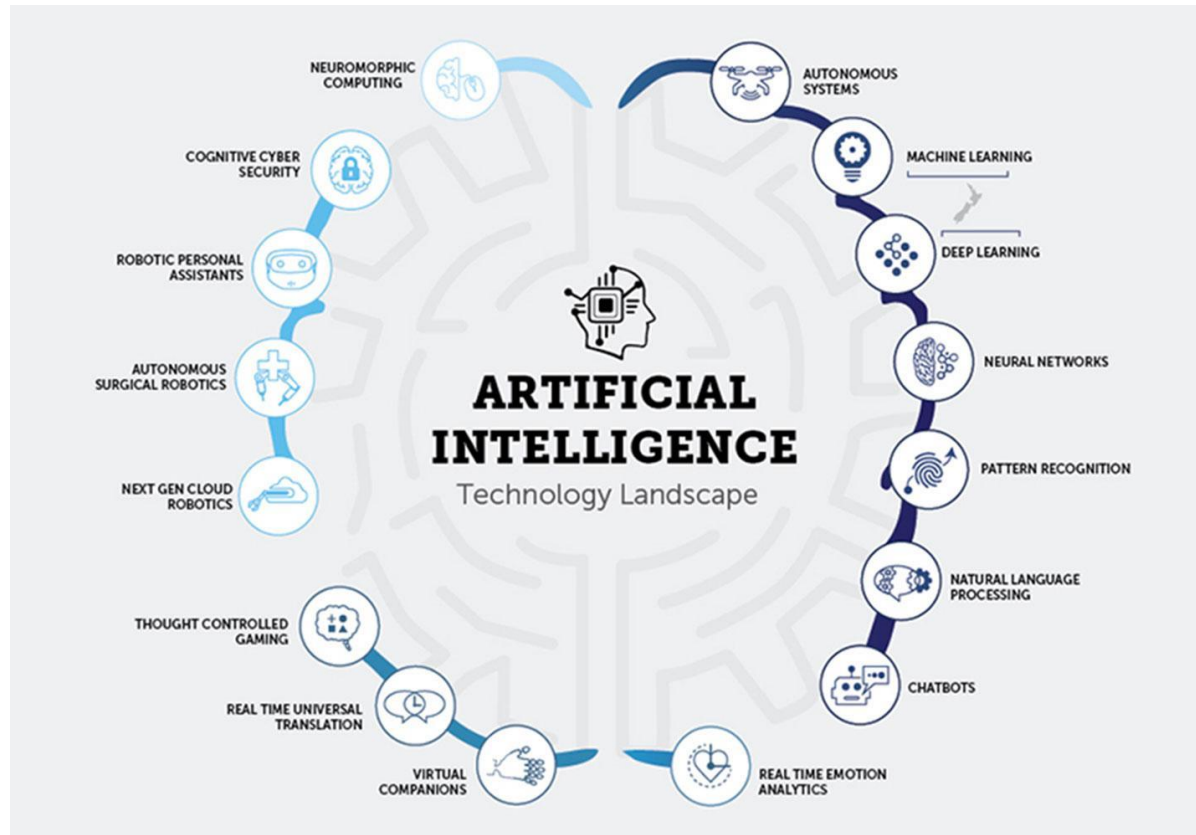


Figure 01 – Applications of AI

(<https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.aitimejournal.com%2Fwhat-is-artificial-intelligence-ai%2F29625%2F&psig=AOvYaw396m0RRZvjw1BMyd2KBrN4&ust=1685025213739000&source=images&cd=vfe&ved=0CBEQjRxqFwoTCKDMrp6Wjv8CFQAAAAAdAAAAABAJ>)

Introduction to Mind Maps

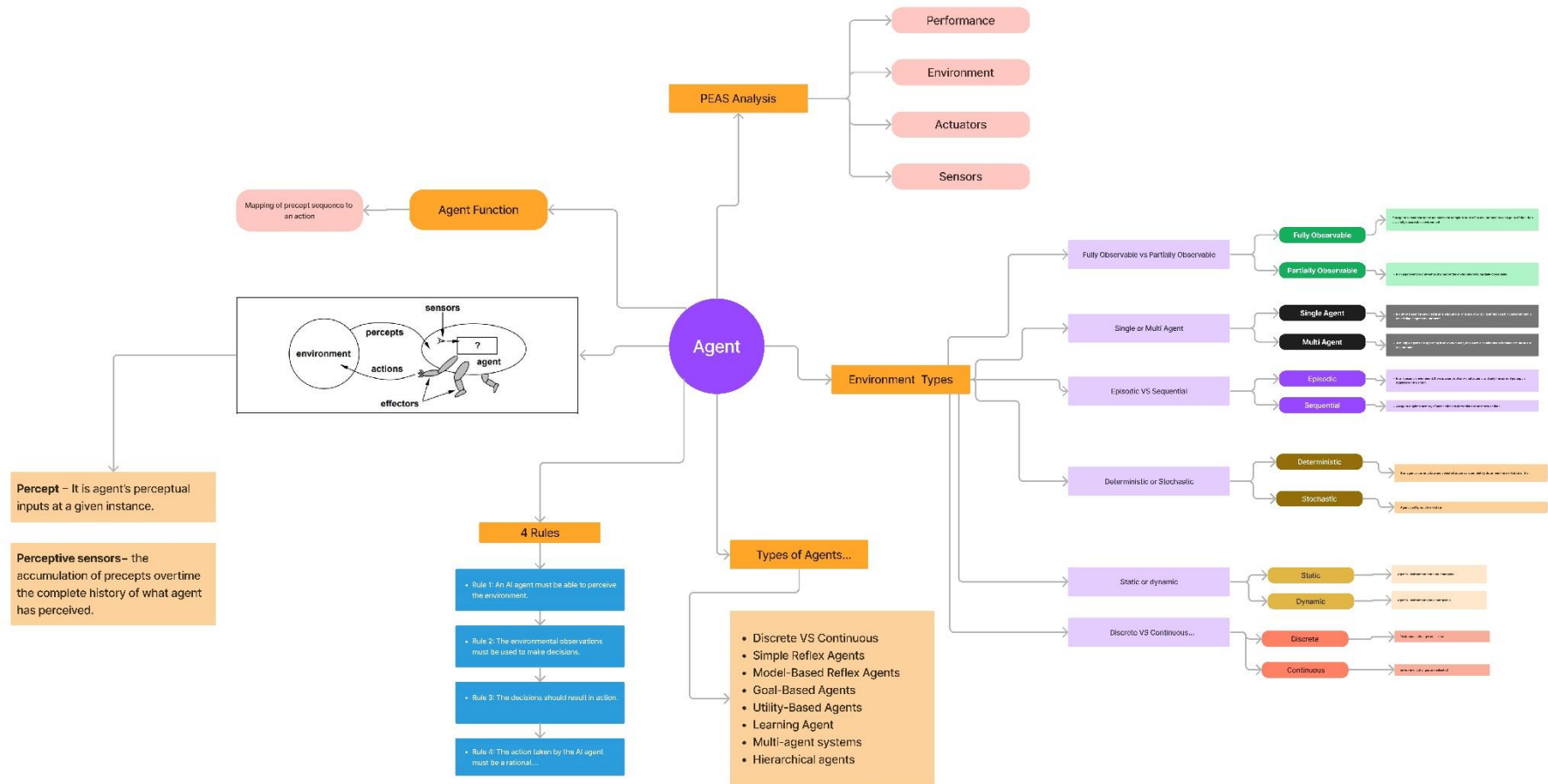
A mind map is a visual tool that helps you organize and connect your thoughts and ideas. It is like a diagram that starts with a central topic or main idea, and then branches out into related subtopics or concepts. Imagine your central topic as the trunk of a tree, and the branches as the different ideas or aspects connected to that topic. Each branch can then have its own smaller branches, forming a tree-like structure.

The main purpose of a mind map is to capture and represent information in a way that is easy to understand and remember. It allows you to see the relationships between different ideas and how they connect to the main topic.

The beauty of a mind map is that it is flexible and non-linear. You can add or rearrange ideas easily, and you can see the big picture while also focusing on specific details. It helps you to brainstorm, organize information, solve problems, plan projects, and study for exams.

In summary, a mind map is a visual diagram that helps you organize and connect your thoughts and ideas. It starts with a central topic and branches out into related subtopics, allowing you to see the relationships and structure of your thoughts in a clear and visual way.







WEEK 07

