



SNS College of Engineering

An Autonomous Institution

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Redesigning Common Mind & Business Towards Excellence



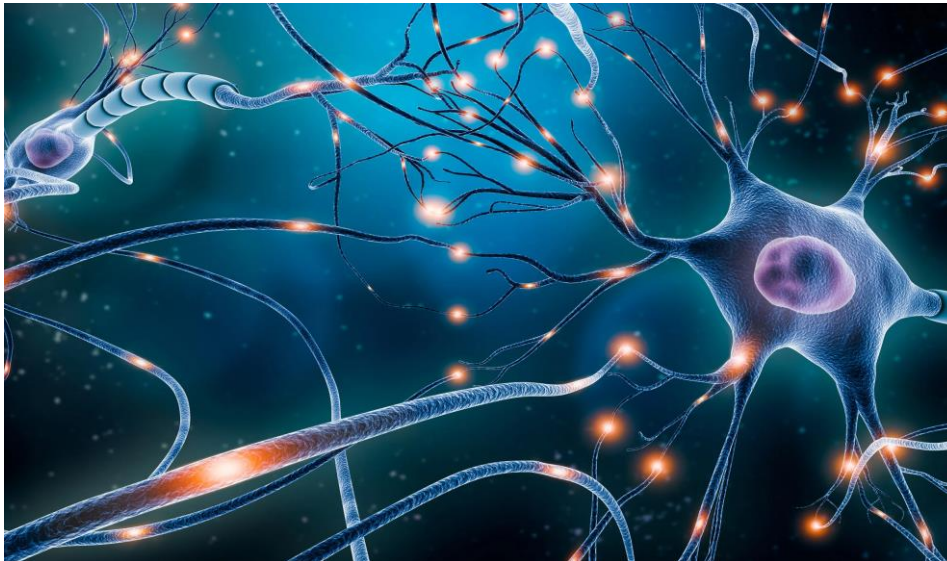
Build an Entrepreneurial Mindset Through Our Design Thinking FrameWork

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

UNIT - 4

NEURONS AND NEURAL NETWORKS



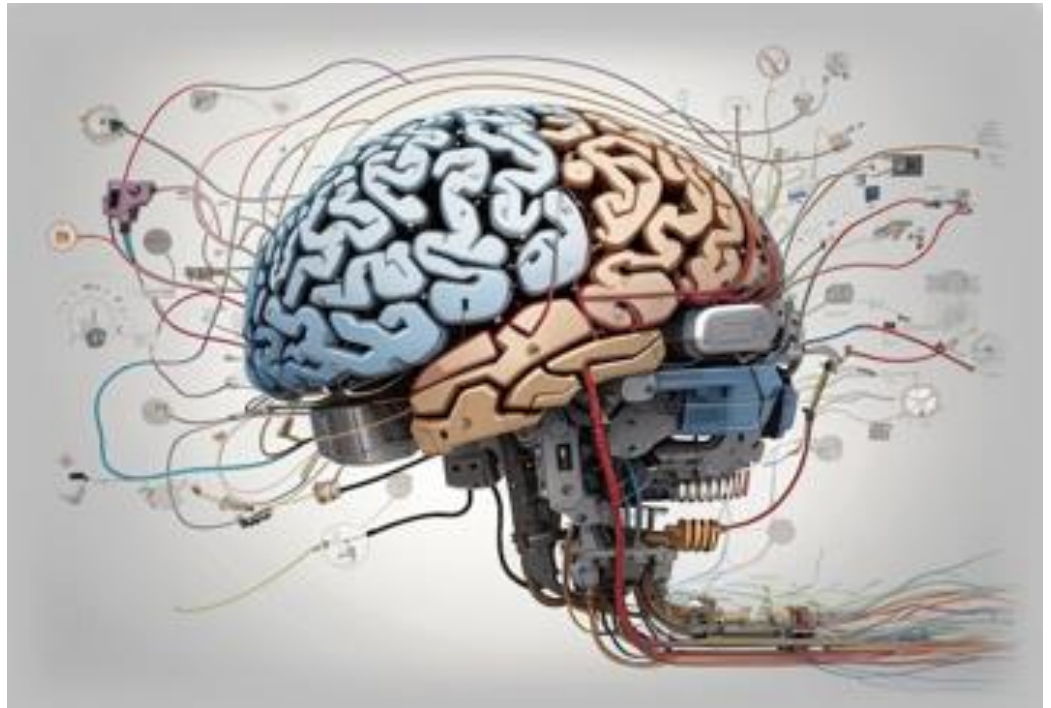
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The Human Brain



- The human brain is a **complex organ** composed of **billions of interconnected cells** called **neurons**.





Neurons and Neural Networks



- A **neural network** is a group of interconnected units called neurons that send signals to one another.
- Neurons can be either **biological cells or mathematical models**.
- While **individual neurons are simple**, many of them together in a **network can perform complex tasks**. There are two main types of neural network.



Neurons and Neural Networks



Build an Entrepreneurial Mindset Through Our Design Thinking FrameWork

- **Neurons are the basic units of a neural network**, which is a network of interconnected units that send signals to one another
- **Neurons, also known as nerve cells**, are the cells that make up the nervous system and brain, and they are responsible for **sending and receiving signals throughout the body.**





Redesigning Common Mind & Business Towards Excellence



sign Thinking FrameWork

Thank
You