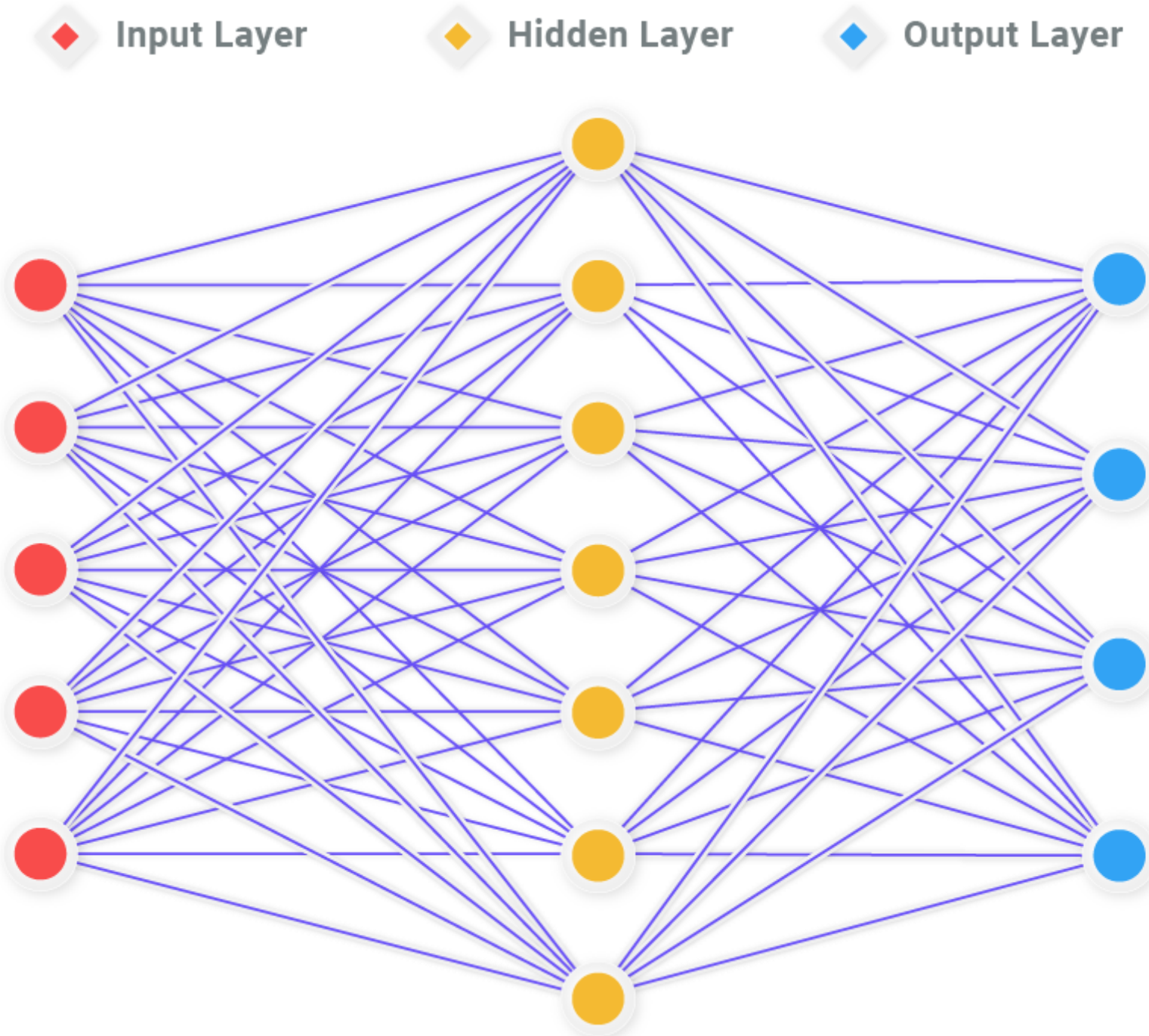
SIMPLE NEURAL NETWORK



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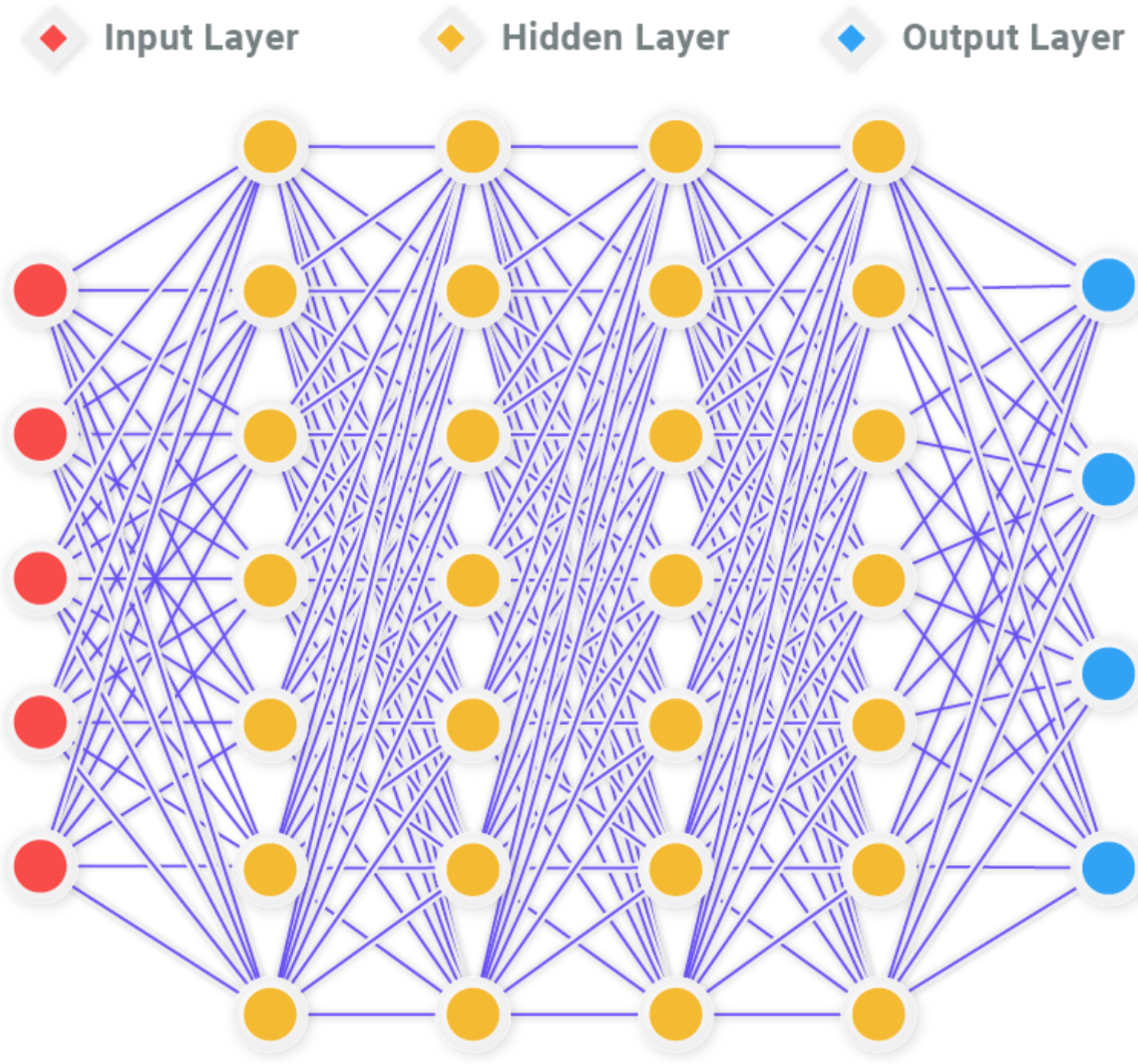
DEEP LEARNING NEURAL NETWORK



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Difference b/w Neural Network and Deep Learning

DEFINITION

The **neural network** is composed of many highly interconnected processing Neurons working together to solve a specific problem.

Deep learning is a deep neural network with many hidden layers and many nodes in every hidden layer.

Difference b/w Neural Network and Deep Learning

STRUCTURE

The **components of a neural network** are Neurons, Connection and weights, Propagation function, and Learning rate

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The **components of a deep learning model** are Motherboard, Processors, RAM, and PSU

Difference b/w Neural Network and Deep Learning

ARCHITECTURE

The **architecture of a neural network** has Feed Forward Neural Networks, Recurrent Neural Networks, and Symmetrically Connected Neural Networks

The **architecture of a deep learning model** has Unsupervised Pre-trained Networks, Convolutional Neural Networks, Recurrent Neural Networks, and Recursive Neural Networks

Difference b/w Neural Network and Deep Learning

TIME TAKEN

A neural network takes less time to train the network

A deep learning model takes comparatively more time to train the network

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Difference b/w Neural Network and Deep Learning

INTERPRETABILITY

A neural network is less accurate

A deep learning model is more accurate

Difference b/w Neural Network and Deep Learning

PERFORMANCE

A neural network shows low performance

A deep learning model shows high performance

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