

Artificial Intelligence (AI) is a branch of computer science that aims to create machines that can perform tasks that typically require human intelligence. These tasks include learning, reasoning, problem-solving, perception, and language understanding.

Machine Learning is a subset of AI that provides systems the ability to automatically learn and improve from experience without being explicitly programmed.

Neural Networks are computing systems inspired by the biological neural networks that constitute animal brains.

Natural Language Processing (NLP) enables machines to understand and respond to human language.

Computer Vision is another important field of AI which allows computers to interpret and process visual data like images and videos.

These technologies are increasingly used in areas such as healthcare, finance, and autonomous vehicles.