Introduction to Artificial Intelligence

Artificial Intelligence (AI) is a branch of computer science focused on building systems that simulate human intelligence. It encompasses various domains such as machine learning, computer vision, robotics, and natural language processing. AI systems perceive, reason, learn, and make decisions.

Diagram: Basic AI Structure

[Perception] -> [Reasoning] -> [Learning] -> [Action]

Key Components:

- Knowledge Representation

- Automated Reasoning

- Machine Learning

- Natural Language Understanding