Introduction to Artificial Intelligence

Artificial Intelligence (AI) enables computers and machines to simulate human learning, comprehension, problem-solving, decision-making, creativity, and autonomy. It spans fields such as expert systems, robotics, natural language processing, and more. All systems are now embedded in daily life, from recommendation engines to virtual assistants and autonomous vehicles. The core idea is to enable machines to mimic human cognitive functions, including reasoning, learning, and adaptation. Artificial Intelligence (AI) enables computers and machines to simulate human learning, comprehension, problem-solving, decision-making, creativity, and autonomy. It spans fields such as expert systems, robotics, natural language processing, and more. Al systems are now embedded in daily life, from recommendation engines to virtual assistants and autonomous vehicles. The core idea is to enable machines to mimic human cognitive functions, including reasoning, learning, and adaptation. Artificial Intelligence (AI) enables computers and machines to simulate human learning, comprehension, problem-solving, decision-making, creativity, and autonomy. It spans fields such as expert systems, robotics, natural language processing, and more. All systems are now embedded in daily life, from recommendation engines to virtual assistants and autonomous vehicles. The core idea is to enable machines to mimic human cognitive functions, including reasoning, learning, and adaptation. Artificial Intelligence (AI) enables computers and machines to simulate human learning, comprehension, problem-solving, decision-making, creativity, and autonomy. It spans fields such as expert systems, robotics, natural language processing, and more. All systems are now embedded in daily life, from recommendation engines to virtual assistants and autonomous vehicles. The core idea is to enable machines to mimic human cognitive functions, including reasoning, learning, and adaptation. Artificial Intelligence (AI) enables computers and machines to simulate human learning, comprehension, problem-solving, decision-making, creativity, and autonomy. It spans fields such as expert systems, robotics, natural language processing, and more. All systems are now embedded in daily life, from recommendation engines to virtual assistants and autonomous vehicles. The core idea is to enable machines to mimic human cognitive functions, including reasoning, learning, and

