# Sample Lecture Notes

Artificial Intelligence (AI) is a branch of computer science that aims to create intelligent machines.

AI has become an essential part of the technology industry. Research associated with artificial intelligence

is highly technical and specialized. The core problems of artificial intelligence include programming computers

for certain traits such as knowledge, reasoning, problem-solving, perception, learning, and the ability to manipulate

and move objects.

Applications of AI include natural language processing, expert systems, vision systems, and robotics.

For example, AI is used in autonomous vehicles to help them navigate roads and avoid obstacles.

Some benefits of AI include increased efficiency, cost savings, and the ability to process and analyze

large amounts of data quickly. However, AI also raises concerns about ethics, privacy, and the potential

for job displacement.