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Outline

This lecture aims to provide a comprehensive introduction to the fundamental concepts of Artificial Intelligence (AI), designed for students seeking to understand the transformative impact of AI technologies in various domains.

Key Topics Covered:

- Definition and Scope of AI: We will explore what AI is, including its historical context and evolution, and clarify common misconceptions surrounding the technology.

- Core Principles: The lecture will delve into essential AI principles such as Machine Learning, Programming Languages and Algorithms for AI and Deep Learning, providing a foundational understanding of how these technologies operate.

- Applications of AI: Participants will learn about the diverse applications of AI across industries, highlighting real-world examples that illustrate AI's capabilities and limitations.

This session is designed to demystify AI, making it accessible to a broad audience, and will incorporate elements to encourage participants to reflect on the implications of AI in their respective fields. By the end of the lecture, attendees will have a clearer understanding of AI's potential.