



Presented by
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Second stage

Artificial Intelligence

Introduction

- English is the main language used in science, technology, and artificial intelligence. Most AI research papers, programming documentation, and software tools are written in English. Therefore, AI students need English not only for communication but also for academic and professional success .This lecture focuses on introducing basic artificial intelligence concepts using simple and clear English.

What is Artificial Intelligence

Artificial Intelligence, often called AI, is a branch of computer science. • It is concerned with creating machines and computer systems that can perform tasks which normally require human intelligence. These tasks include learning from experience, solving problems, understanding language, and making decisions. AI systems try to imitate human thinking, but they work faster and can process large amounts of data.

Importance of AI

- Artificial Intelligence has become very important in modern life. It helps humans perform tasks more efficiently and accurately. AI reduces human effort, saves time, and improves productivity. Many industries today depend on AI systems to analyze data and make predictions. For AI students, understanding AI concepts in English is essential for future careers and higher education.

Key Vocabulary

- Artificial Intelligence means the ability of machines to perform intelligent tasks. Machine Learning refers to teaching machines by using data and examples. An Algorithm is a set of instructions used to solve a problem. Data is information collected and used for learning and analysis. These terms are commonly used in AI textbooks and research papers.

- A Neural Network is a system designed to work like the human brain.
- Automation means using machines to perform tasks instead of humans.
- Accuracy refers to how correct or precise a result is.
- Prediction means guessing future outcomes based on data.
- Students should practice using these words in sentences.

What is Artificial Intelligence? •

Intelligence (AI) is a field of computer science that focuses on creating machines that can perform tasks requiring human intelligence. These tasks include learning, problem-solving, and decision-making. AI systems use data and algorithms to improve their performance over time. Today, artificial intelligence is used in many areas such as healthcare, education, finance, and transportation. •

Artificial Uses of Artificial Intelligence

- intelligence is used in healthcare to diagnose diseases and analyze medical data.
- In education, AI helps in online learning and smart tutoring systems.
- In finance, AI detects fraud and manages financial risks.
- In transportation, AI is used in self-driving cars and traffic control systems.

- **Grammar Practice** Students are asked to complete sentences using the correct form of the verb. AI helps humans in many fields. Machines analyze large data sets. AI systems become more accurate over time. This exercise helps students understand grammar in a scientific context.

Speaking Activity Students choose one application of artificial intelligence such as ChatGPT, face recognition, or self-driving cars. They describe how it works and why it is useful. This activity improves speaking skills and confidence.

Writing Activity Students write a short paragraph of five to six lines about how artificial intelligence will help their future career. They should try to use the vocabulary learned in the lecture.