

Understanding Introduction to Artificial Intelligence

Chapter 1: Introduction to Artificial Intelligence · Topic 1

Key Concept

AI systems can learn from data, recognise patterns, make decisions, and even understand language, mimicking abilities we usually associate with human thinking.

AI is broadly divided into narrow AI, which performs a specific task very well (like voice assistants or spam filters), and general AI, a still-theoretical AI with human-like broad intelligence.

AI is used in many everyday applications today, like recommendation systems on streaming apps, navigation apps predicting traffic, and voice assistants like Siri or Alexa.

Understanding AI's basics helps us use these technologies wisely and prepares us to think critically about how AI will continue shaping our future.

Quick Revision Notes

- AI builds systems that perform tasks needing human intelligence.
- AI can learn from data and recognise patterns.
- Narrow AI performs a specific task well.
- General AI would have broad, human-like intelligence, still theoretical.
- AI is used in recommendation systems and navigation apps.
- Voice assistants like Siri and Alexa use AI.
- Understanding AI helps us use it wisely.
- AI will continue shaping the future.

Practice Questions

- 1 List three AI applications you use in daily life.
- 2 Discuss the difference between narrow and general AI.
- 3 Research a voice assistant and how it works.
- 4 Explain why AI is called 'artificial'.
- 5 Discuss why understanding AI is important today.
- 6 Research a recommendation system and how it suggests content.