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The Artificial Intelligence

LEARNING OUTCOMES

- At the end of the chapter, students will be able to:
- Differentiate between brain and computer
- Define Artificial Intelligence
- Compare and contrast between HI and AI
- Classify types of AI based on their capabilities
- Classify types of AI based on their functionality

CHAPTER NOTES

- The brain and computers have distinct strengths and weaknesses, and researchers continue to study and develop AI systems to bridge these gaps.
- The brain is immensely powerful and parallel in its processing.
- They require new code or programming for significant changes.
- The brain is naturally wired for parallel processing.
- Computers use hierarchical storage systems with specific locations for data storage and retrieval.
- Human intelligence and Artificial intelligence can be differentiated based on: Learning and Adaptation, Emotional Understanding, Creativity and Innovation, Common Sense and Context, Moral and Ethical Judgment, Adaptability and Generalization, Biological vs. Digital
- Based on their capabilities, AI are of 3 types Narrow or Weak, General and Super
- Based on their functionality, AI are of 4 types Reactive, Limited memory, Theory of mind and Selfawareness.