(ASSIGNMENT 1)

Locate the disruption that AI will disrupt:

Healthcare: AI will revolutionize diagnostics, drug discovery, personalized medicine, and patient care, leading to more accurate and timely treatments.

Customer Service and Experience: AI-powered chatbots and virtual assistants will handle routine inquiries, freeing up human agents for complex issues and enhancing customer satisfaction.

Banking, Financial Services, and Insurance (BFSI):

AI will automate tasks like fraud detection, risk assessment, and algorithmic trading, improving efficiency and accuracy in financial operations.

Logistics and Supply Chain: AI will optimize routes, predict demand, and manage inventory, leading to faster delivery times and reduced costs in the logistics sector.

Cybersecurity: AI will play a crucial role in identifying and preventing cyberattacks, enhancing network security, and protecting sensitive data.

\*What advantage is AI bringing?

Efficiency and Automation:

Task Automation: AI can automate repetitive and time-consuming tasks, freeing up human employees to focus on more strategic and creative work.

Increased Productivity: By automating processes and streamlining workflows, AI can lead to significant gains in productivity.

Cost Reduction: Automation and optimized processes can lead to reduced operational costs, including labor, energy, and materials.

Enhanced Decision-Making:

Data Analysis: AI can analyze vast amounts of data to identify patterns, trends, and insights that humans might miss, leading to more informed decisions.

Improved Accuracy: AI algorithms can make decisions based on data and logic, reducing the risk of human error and bias.

What are the disadvantages of AI?

Bias: AI algorithms can be biased, which can lead to poor customer service, lower sales, and dangerous situations.

Privacy concerns: AI can infringe on privacy by gathering information about people without their consent.

Security risks: AI can be misused for identity theft, data theft, and ransomware, which can shut down businesses.

Job displacement: AI can automate tasks that humans traditionally perform, which could lead to job losses.

Lack of creativity: AI lacks the ability to use emotion and creativity in decision making, so it can't create new solutions to problems.

Technological dependence: Over-reliance on AI can lead to problems if the technology fails or isn't managed properly.

\*Compare and contrast argumented intelligence and artificial intelligence

Artificial Intelligence (AI):

Goal: To create machines that can perform tasks that typically require human intelligence, such as reasoning, learning, and problem-solving.

Approach: AI systems are designed to operate autonomously, making decisions and performing actions without human intervention.

Examples: Email spam filters, plagiarism checkers, and Google's AI-powered search suggestions.

Limitations: Current AI systems often struggle with tasks requiring common sense, creativity, and emotional intelligence.

Focus: Automation and efficiency through machine-driven processes.

Augmented Intelligence (IA):

Goal: To enhance human capabilities and decision-making by leveraging AI technologies.

Approach: IA focuses on creating systems where humans and machines collaborate, with AI acting as an assistant to humans.

Examples: AI-powered tools that assist in data analysis, predictive analytics, and decision-making.

Benefits: IA can improve efficiency, accuracy, and productivity by empowering humans with AI-driven insights.

Focus: Collaboration between humans and machines to improve human performance.