Lesson Plan No. 1.1	Course Name: Introduction to Artificial Intelligence	Course No.: MBA-443
	Topic: History and Evolution of AI	

Objectives	At the end of the lesson the student shall be able to: • Understand the historical development of artificial intelligence. • Explore the key milestones and breakthroughs in the evolution of AI. • Analyze the impact of AI on various aspects of society and industry.
Teaching Aids (if any)	1. Power Point Presentation 2. Online contents 3. Whiteboard 4. YouTube Videos
Teaching Development	**1. Introduction** (5 minutes) • Define artificial intelligence and its significance. • Provide an overview of the historical timeline of AI development. • Discuss the initial motivations and goals behind the creation of AI. **2. Development** (30 minutes) • Present key milestones in the history of AI, such as the Dartmouth Conference, the development of expert systems, and the emergence of machine learning and neural networks. • Discuss the evolution of AI applications in different fields, including healthcare, finance, and transportation. • Explore the ethical and societal implications of AI advancement. **3. Exercise (5 minutes) –** - Ask students about the discussed concept in the session.
Closure	1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these. 2. Spend 5 minutes to wrap up and consolidate the learnings **Suggested Reading** https://www.hellohistory.ai/for-education https://www.facinghistory.org/resource-library/learning-navigate-generative-ai-content-media-literacy-strategies

Evaluation	1. Reflective Questions (What, why, Who?). Allow students to answer.
	Reflective Questions:
	1. What was the significance of the Dartmouth Conference in the history of AI?
	2. Name one early application of AI in a specific industry.
	3. Why is it important to consider the ethical implications of AI development?

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Lesson Plan No. 1.2	Course Name: Introduction to Artificial Intelligence Topic: Concepts and Terminology of AI	Course No.: MBA-443

Objectives	At the end of the lesson the student shall be able to: • Understand the fundamental concepts of Artificial Intelligence. • Familiarize students with key terminology used in AI. • Recognize the applications of AI in real-world scenarios.
Teaching Aids (if any)	1. Power Point Presentation 2. Online contents 3. Whiteboard 4. YouTube Videos
Teaching Development	**1. Introduction** (5 minutes) • Brief overview of the history and evolution of Artificial Intelligence. • Importance of AI in contemporary technology and society. • Mention of key AI applications such as machine learning, natural language processing, and computer vision. **2. Development** (30 minutes) a. **Basic Concepts:** • Definition of AI and its significance. • Distinction between narrow AI and general AI. • Introduction to machine learning and its role in AI. b. **Terminology:** • Explanation of terms like algorithms, neural networks, and data sets. • Understanding the difference between supervised and unsupervised learning. • Overview of common AI techniques like regression and classification. c. **Applications of AI:** • Real-world examples showcasing AI applications (e.g., virtual assistants, recommendation systems, autonomous vehicles). • Discussion on the ethical considerations and challenges in AI.

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	3. Exercise (5 minutes) –
	- Ask students about the discussed concept in the session.
Closure	1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.
	2. Spend 5 minutes to wrap up and consolidate the learnings
	Suggested Reading
	1. https://www.iso.org/obp/ui/
	2. https://www.telusinternational.com/insights/ai-data/article/50-beginner-ai-terms-you-should-know
	3. https://sunscrapers.com/blog/the-basics-of-artificial-intelligence-understanding-the-key-concepts-and-terminology/
	4. https://www.youtube.com/watch?v=aircAruvnKk
Evaluation	1. Reflective Questions (What, why, Who?). Allow students to answer.
	Reflective Questions:
	a. What is the difference between narrow AI and general AI?
	b. Define the term "neural network" in the context of AI.
	c. Provide an example of a real-world application of AI.

Lesson Plan No. 1.3	Course Name: Introduction to Artificial Intelligence Topic: Concepts and Terminology of AI	Course No.: MBA-443

Objectives	At the end of the lesson the student shall be able to: • Comprehend the basic concepts underlying Artificial Intelligence. • Acquire knowledge of essential AI terminology. • Analyze the impact of AI on various industries.
Teaching Aids (if any)	1. Power Point Presentation 2. Online contents 3. Whiteboard 4. YouTube Videos
Teaching Development	**1. Introduction** (5 minutes) • Brief overview of the history and evolution of Artificial Intelligence. • Importance of AI in contemporary technology and society. • Mention of key AI applications such as machine learning, natural language processing, and computer vision. **2. Development** (30 minutes) a. **Basic Concepts:** • Definition of AI and its significance. • Distinction between narrow AI and general AI. • Introduction to machine learning and its role in AI. b. **Terminology:** • Explanation of terms like algorithms, neural networks, and data sets. • Understanding the difference between supervised and unsupervised learning. • Overview of common AI techniques like regression and classification. c. **Applications of AI:** • Real-world examples showcasing AI applications (e.g., virtual assistants, recommendation systems, autonomous vehicles). • Discussion on the ethical considerations and challenges in AI. **3. Exercise (5 minutes) –**

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	- Ask students about the discussed concept in the session.
Closure	1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these. 2. Spend 5 minutes to wrap up and consolidate the learnings **Suggested Reading** 1. https://www.iso.org/obp/ui/ 2. https://www.telusinternational.com/insights/ai-data/article/50-beginner-ai-terms-you-should-know 3. https://sunscrapers.com/blog/the-basics-of-artificial-intelligence-understanding-the-key-concepts-and-terminology/ 4. https://www.youtube.com/watch?v=aircAruvnKk
Evaluation	1. Reflective Questions (What, why, Who?). Allow students to answer. **Reflective Questions:** a. What is the difference between narrow AI and general AI? b. Define the term "neural network" in the context of AI. c. Provide an example of a real-world application of AI.

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Lesson Plan No. 1.4	Course Name: Introduction to Artificial Intelligence Topic: Application Areas of AI	Course No.: MBA-443

Objectives	At the end of the lesson the student shall be able to: • Understand the diverse application areas of Artificial Intelligence. • Recognize how AI is transforming various industries. • Identify real-world examples of AI applications.
Teaching Aids (if any)	1. Power Point Presentation 2. Online contents 3. Whiteboard 4. YouTube Videos

Teaching Development	**1. Introduction** (5 minutes)
	
	• Brief overview of what AI is and its significance in the modern world.
	• Importance of AI in solving complex problems and enhancing efficiency.
	• Mention that AI is not limited to one field but has widespread applications.
	2. Development (30 minutes)
	
	a. **Healthcare:**
	
	    • AI in diagnostics and personalized medicine.
	
	    • Application of machine learning in predicting disease outbreaks.
	
	    • Use of AI for drug discovery and development.
	
	b. **Finance:**
	
	    • AI algorithms for fraud detection in financial transactions.
	
	    • Predictive analytics in stock market trading.
	
	    • Robo-advisors and AI-driven financial planning.
	
	c. **Education:**
	
	    • Personalized learning platforms powered by AI.
	
	    • AI in automating administrative tasks for educational institutions.
	
	    • Virtual tutors and AI-assisted grading systems.
	
	3. Exercise (5 minutes) –
	
	- Ask students about the discussed concept in the session.

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Closure	1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these. 2. Spend 5 minutes to wrap up and consolidate the learnings **Suggested Reading** 1. https://www.javatpoint.com/application-of-ai 2. https://www.analytixlabs.co.in/blog/applications-of-artificial-intelligence/ 3. https://www.iso.org/obp/ui/ 4. https://www.youtube.com/watch?v=2ePf9rue1Ao
Evaluation	1. Reflective Questions (What, why, Who?). Allow students to answer. **Reflective Questions:** a. How is AI utilized in personalized medicine in the healthcare sector? b. What role does AI play in fraud detection in the finance industry? c. Provide an example of an AI application in the field of education.

Lesson Plan No. 1.5	Course Name: Introduction to Artificial Intelligence	Course No.: MBA-443
	Topic: Application Areas of AI	

Objectives	At the end of the lesson the student shall be able to: • Explore specific examples of AI applications in different domains. • Understand the impact of AI on society and various industries. • Analyze potential future trends in AI applications.
Teaching Aids (if any)	1. Power Point Presentation 2. Online contents 3. Whiteboard 4. YouTube Videos

Teaching Development	**1. Introduction** (5 minutes)
	
	• Brief overview of what AI is and its significance in the modern world.
	• Importance of AI in solving complex problems and enhancing efficiency.
	• Mention that AI is not limited to one field but has widespread applications.
	2. Development (30 minutes)
	
	a. **Healthcare:**
	
	    • AI in diagnostics and personalized medicine.
	
	    • Application of machine learning in predicting disease outbreaks.
	
	    • Use of AI for drug discovery and development.
	
	b. **Finance:**
	
	    • AI algorithms for fraud detection in financial transactions.
	
	    • Predictive analytics in stock market trading.
	
	    • Robo-advisors and AI-driven financial planning.
	
	c. **Education:**
	
	    • Personalized learning platforms powered by AI.
	
	    • AI in automating administrative tasks for educational institutions.
	
	    • Virtual tutors and AI-assisted grading systems.
	
	3. Exercise (5 minutes) –
	
	- Ask students about the discussed concept in the session.

Closure	1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these.
	2. Spend 5 minutes to wrap up and consolidate the learnings
	Suggested Reading
	1. https://www.javatpoint.com/application-of-ai
	2. https://www.analytixlabs.co.in/blog/applications-of-artificial-intelligence/
	3. https://www.iso.org/obp/ui/
	4. https://www.youtube.com/watch?v=2ePf9rue1Ao
Evaluation	1. Reflective Questions (What, why, Who?). Allow students to answer.
	Reflective Questions:
	a. How is AI utilized in personalized medicine in the healthcare sector?
	b. What role does AI play in fraud detection in the finance industry?
	c. Provide an example of an AI application in the field of education.

Lesson Plan No. 1.6	Course Name: Introduction to Artificial Intelligence Topic: Issues, Concerns, and Ethical Use of AI	Course No.: MBA-443

Objectives	At the end of the lesson the student shall be able to: • Understand the ethical considerations surrounding AI. • Identify key issues and concerns related to the use of AI. • Discuss ways to address ethical challenges in AI development and deployment.
Teaching Aids (if any)	1. Power Point Presentation 2. Online contents 3. Whiteboard 4. YouTube Videos
Teaching Development	**1. Introduction** (5 minutes) • Define Artificial Intelligence and highlight its increasing significance in various fields. • Discuss real-world examples of AI applications and their impact on society. • Introduce the ethical dimension of AI and why it's crucial to address. **2. Development** (30 minutes) **a. Bias and Fairness in AI:** • Explore the concept of bias in AI algorithms. • Discuss examples of biased AI systems and their implications. • Introduce strategies to address bias and promote fairness in AI. **b. Privacy Concerns:** • Examine the privacy issues associated with AI technologies. • Discuss how personal data is used and potential risks. • Explore regulations and guidelines for protecting privacy in AI applications. **c. Accountability and Transparency:** • Highlight the importance of accountability in AI decision-making. • Discuss challenges in ensuring transparency in complex AI models. • Introduce frameworks for holding AI systems accountable and ensuring transparency.

	3. Exercise (5 minutes) – - Ask students about the discussed concept in the session.
Closure	1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these. 2. Spend 5 minutes to wrap up and consolidate the learnings **Suggested Reading** 1. https://www.youtube.com/watch?v=KyB7NSWEODE 2. https://www.youtube.com/watch?v=94LdfW5hURc 3. https://www.youtube.com/watch?v=2ePf9rue1Ao
Evaluation	1. Reflective Questions (What, why, Who?). Allow students to answer. **Reflective Questions:** a. What is one example of bias in AI, and how can it impact decision-making? b. Explain a privacy concern related to AI applications. How can it be mitigated? c. Why is accountability important in the development and deployment of AI systems?

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Lesson Plan No. 1.7	Course Name: Introduction to Artificial Intelligence	Course No.: MBA-443
	Topic: Future Considerations of AI	

Objectives	At the end of the lesson the student shall be able to: • Understand the potential future advancements and challenges in AI. • Explore the ethical implications of AI development. • Analyze the impact of AI on various industries and society.
Teaching Aids (if any)	1. Power Point Presentation 2. Online contents 3. Whiteboard 4. YouTube Videos
Teaching Development	**1. Introduction** (5 minutes) • Begin with a brief overview of the current state of AI technology. • Discuss recent AI achievements and breakthroughs. • Highlight the growing significance of AI in our daily lives. **2. Development** (30 minutes) a. **Advancements in AI:** - Discuss the latest advancements in AI research and development. - Explore how machine learning, deep learning, and neural networks are evolving. - Highlight real-world applications and case studies. b. **Ethical Considerations:** - Examine ethical dilemmas related to AI, such as bias in algorithms. - Discuss the responsibility of AI developers and the need for ethical frameworks. - Analyze the societal impact of AI on privacy and job displacement. c. **Industry and Societal Impact:** - Explore how AI is transforming different industries, e.g., healthcare, finance, and education. - Discuss the potential societal implications of widespread AI adoption. - Consider the role of policymakers in regulating AI technologies. **3. Exercise (5 minutes) –** - Ask students about the discussed concept in the session.
Closure	1. Summarize the Lesson Learning Outcomes and get affirmation from Students on these. 2. Spend 5 minutes to wrap up and consolidate the learnings **Suggested Reading** 1. https://www.youtube.com/watch?v=KyB7NSWEODE

	2. https://www.youtube.com/watch?v=94LdfW5hURc
	3. https://www.youtube.com/watch?v=2ePf9rue1Ao
Evaluation	1. Reflective Questions (What, why, Who?). Allow students to answer. **Reflective Questions:** 1. What are some recent advancements in AI, and how do they impact daily life? (Hint: Refer to the first topic) 2. Why is ethical consideration crucial in AI development? Provide an example of an ethical dilemma in AI. (Hint: Refer to the second topic) 3. How does AI influence various industries, and what potential societal challenges may arise?

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