

AI ADVENTURES: EXPLORING THE WORLD OF SMART MACHINES

Volunteer Guide



INJAZ CAMPUS

AI ADVENTURES: EXPLORING THE WORLD OF SMART MACHINES

Volunteer Guide



STEM & Technology



Entrepreneurship



Primary School



7 sessions

COURSE OVERVIEW

"AI Adventures: Exploring the World of Smart Machines" course offers concise lessons to develop students' critical thinking about Artificial Intelligence (AI). In a rapidly changing world, the course introduces AI functionalities, benefits, and risks. It encourages reflection on the social and ethical aspects of AI, covering key topics like News and Media Literacy, Digital Citizenship, and core AI concepts. The goal is to equip students with the knowledge to navigate the AI landscape responsibly. Additionally, the aim of this course is to illustrate how AI is used to prepare students for the evolving demands of the future workforce.

EPISODES GUIDE

01

More Than Just Sci-Fi

In this episode, students will dive into the fascinating world of Artificial Intelligence (AI), learning how it's more than just sci-fi robots—it's like having a super-smart friend. AI is a 'brain' for computers and robots, helping them think, learn, and solve problems uniquely.

Students will learn that AI, still in its learning phase, requires our guidance. The episode encourages responsible AI use and inspires students to be future AI innovators. It concludes with the message that AI is a tool for good, a helper, not a threat, urging young learners to keep exploring and using AI to better the world.

Learning Objectives

- Uncover the basics of AI.
- Understand AI's nature.
- Examine AI's potential.

Main Definitions

- Artificial Intelligence (AI): A technology that gives computers and robots a 'brain' to think, learn, and solve problems in a way similar to, but distinct from, the human brain.
- Data: The information AI absorbs to learn and improve. For example, showing AI many cat photos so it learns to recognize cats in new pictures.
- Learning Process of AI: AI learns independently and rapidly by processing large amounts of data, exemplifying its ability to evolve continuously. assistance to users.

How to Start the Session

Introduction (10 minutes):

- Greet the students and introduce yourself as a facilitator.
- Share your name, and role, and provide a brief background about yourself.
- Allow time for students to introduce themselves.
- Begin with a stimulating question: "Have you ever wondered how Siri or Alexa works?"
- Set the Context: "Explain the prevalence of AI in everyday life. Use examples like, 'AI is in the virtual assistant on your phone and the spell checker on your computer.' This helps participants relate to the topic."

- Explain AI Learning Process: "Clarify how AI learns by using data. Illustrate with an example: 'To teach AI about cats, we show it many cat photos. Over time, it learns to recognize them in new images.'"
- Highlight Practical Applications: "Discuss the various roles of AI. Say, 'Let's look at some fun ways AI is part of our lives, like voice assistants, video games, and facial recognition technology.'"
- Discuss AI's Developmental Nature: "Emphasize that AI is continuously learning, akin to a young student. Encourage the notion that AI needs our guidance to grow and improve."
- Encourage Responsible Use: "Stress the importance of being responsible users of AI. Prompt a discussion on ethical use by saying, 'How can we use AI for good, ensuring it's fair and helpful?'"
- Inspire Future Innovation: "Motivate participants by discussing the potential for innovation in AI. Suggest, 'Perhaps some of you will design the next groundbreaking AI tool.'"

Video: (5-10 minutes)

Let the students watch the video then ask them about their opinions discussing these main ideas:

- Concept of AI Beyond Science Fiction: AI is more than just a concept from science fiction; it is akin to a highly intelligent, ever-learning entity that enhances the capabilities of computers and robots.
- AI's Ubiquity in Everyday Life: AI is a prevalent yet often unnoticed part of our daily routines, playing a significant role in various everyday technologies and applications.
- Learning Mechanism of AI: AI has the ability to learn and evolve by processing vast amounts of information, showcasing rapid and independent learning capabilities.
- AI's Role in Diverse Fields: AI is integrated into multiple sectors and activities, influencing a wide range of functions and processes in both mundane and specialized tasks.
- Ethical Use and Continuous Development of AI: The importance of using AI responsibly and ethically is highlighted, along with the concept that AI is in a continuous state of learning and development, requiring human guidance and ethical oversight.

Activity (5 minutes):

Students will be given 3 scenarios, then to choose the best option for each scenario.

Wrap-up (5 minutes):

- Summarize AI Concepts and Daily Life Presence: Start by summarizing the key concepts of AI, emphasizing that it's more than sci-fi and plays a significant role in enhancing computer and robotic capabilities. Highlight AI's integration into daily life, from virtual assistants to security systems.
- Recap AI's Learning and Ethical Implications: Briefly revisit how AI learns from large amounts of data and its ability for rapid, independent learning. Then, stress the importance of ethical usage of AI, focusing on responsible development and application to ensure fairness and benefit for all.
- Inspire Continued Engagement with AI: Encourage participants to remain curious and engaged with AI, highlighting the potential for future innovations and the role they could play in shaping AI's future. Suggest that AI is a tool for positive change and a field ripe for exploration and creativity.
- Conclude with Questions and Appreciation: Open the floor for any final questions to clarify doubts and reinforce learning. Conclude by thanking the participants for their active involvement and encourage them to apply their knowledge of AI in various aspects of their lives and careers.

How Computers Grow Their Brains!

In this episode, students will discover how Artificial Intelligence (AI) learns, much like a student, but through diverse data like pictures and words. They'll understand AI's "neural network," designed by programmers to mimic the human brain, forming the basis of AI's learning capability.

The episode will explain how AI, like a child, learns from examples - the more data it encounters, the better it understands. Students will see that AI improves through mistakes during training, similar to learning from errors in school.

A key point is that AI's learning is ongoing; it continually evolves with new data. The diversity and fairness of this data are crucial, as biased or limited information can lead to unfair AI behavior. This highlights the importance of responsible AI development.

Finally, the episode will touch on AI's practical applications and emphasize our role in shaping AI's future, reminding students that the smart tools powered by AI are a result of this intricate learning process. The future of AI, capable of remarkable tasks, rests in our hands.

Learning Objectives

- Dive into the process of AI training.
- Explore how data shapes and molds the capabilities of artificial intelligence.

Main Definitions

- Artificial Intelligence (AI): AI is a technology that learns from diverse data sources, such as pictures, words, or numbers, in a way that's analogous to how a student learns.
- AI's Neural Network: A model within AI that mimics human brain neurons, designed by programmers to learn from data for specific tasks.
- Learning from Mistakes in AI: AI improves its capabilities by learning from errors during its training process.
- Continuous Learning in AI: AI's learning is ongoing, with the capability to evolve and grow smarter with new data.
- Human Role in AI Development: AI relies on human instruction and programming for its learning and development.
- Diversity of Learning Materials for AI: The scope and variety of data AI learns from shape its capabilities. It's important for AI to learn from a wide range of data to avoid biases and to have a comprehensive understanding.
- Ethics in AI: The use of fair and unbiased data is crucial in AI training to prevent it from developing unfair behaviors or biases.

How to Start the Session

Introduction (10 minutes):

- Introduction to AI: Begin by introducing AI, explaining it as a technology that learns from diverse data in a way similar to how students learn. Clarify that AI's learning encompasses images, words, and numbers.
- Explain AI's Neural Network: Describe the AI neural network as a model designed by programmers to resemble human brain neurons. Emphasize that this network is crucial for AI to learn and perform tasks.
- Highlight AI's Learning Process: Discuss how AI learns from both correct responses and mistakes, similar to the learning process in humans. Explain that AI's ability to learn from errors is a key aspect of its training.
- Emphasize Continuous Learning in AI: Convey that AI's learning is an ongoing process, with the system continually evolving and improving as it encounters new data.

- Discuss the Human Role in AI Development: Stress the importance of human input in AI's development, highlighting that AI depends on human programming and guidance to learn effectively.
- Engage the Audience: Encourage questions or thoughts from the audience to foster an interactive learning environment right from the beginning of the session.

Video: (5-10 minutes)

Let the students watch the video then ask them about their opinions discussing these main ideas:

- Learning Mechanism of AI: Artificial Intelligence (AI) learns from a wide range of data (such as pictures, words, or numbers) in a manner similar to how a student learns, improving its capabilities by processing this information.
- Human Role in AI Development: AI's development and learning heavily rely on human input, where programmers design AI systems, like neural networks, and guide the learning process, emphasizing the significance of human involvement in AI education and evolution.

Activity (5 -7 minutes):

Students are going to match each step provided to their explanation.

Wrap-up (5 minutes):

- Summarize Key Points: Begin by summarizing the main topics discussed in the session, particularly focusing on AI's learning mechanism from diverse data and the critical role humans play in AI development and training.
- Highlight Continuous Learning in AI: Emphasize that AI is an ever-evolving technology that continues to grow and adapt as it is exposed to new data and experiences.
- Reiterate the Importance of Human Involvement: Stress the significance of human guidance in AI's learning process, from designing neural networks to ensuring ethical training practices.
- Encourage Reflection and Questions: Invite participants to reflect on the information presented and ask any lingering questions they might have, fostering a final discussion to reinforce understanding.
- Provide Closing Remarks: Conclude the session with final remarks, encouraging participants to continue exploring the field of AI and to consider the impact of their future interactions with AI technologies.
- Thank Participants: End by thanking the participants for their engagement and interest in the course, acknowledging their contribution to making the session interactive and informative.

The Curious Case of Chatterbot

In this episode, students will join Fatima, Sami, and Lina at Greenwood Elementary as they explore AI chatbots, starting with their interaction with 'Chatterbot' in the computer lab. Fascinated by its human-like responses, they begin to understand the significant role chatbots play in everyday tasks, from shopping assistance to entertainment.

The story takes a deeper turn as the children ponder whether these chatbots can be considered true friends, recognizing that despite the conversation and humor they provide, chatbots lack the emotional depth and real-life connections of human friendships.

The episode also touches on the ethical considerations of AI, such as biases in training data leading to potential discrimination, highlighting the importance of critical thinking about how these technologies are developed and used.

Wrapping up, the students use Chatterbot for a school project, demonstrating the synergy between AI and human creativity. The episode concludes by emphasizing that while AI chatbots are helpful tools, true friendship and the human touch are irreplaceable.

Learning Objectives

- Understand AI Chatbot Capabilities
- Analyze AI Chatbots in Daily Life
- Understand the implications of Human-Like Interactions.
- Examine AI Chatbots and the Concept of Friendship
- Investigate Social Connections and Digital Entities
- Think Critically about AI Ethics

Main Definitions

- **AI Chatbots:** AI-powered tools capable of human-like interactions, providing conversation, support, and humor, used in various daily tasks.
- **Ethical Considerations of AI:** The need for critical thinking about AI development and use, focusing on avoiding biases in training data that could lead to discrimination.

How to Start the Session

Introduction (10 minutes):

- **Introduce the Theme:** Begin by introducing the topic of AI chatbots. Mention how the session will explore the interaction between children and an AI chatbot named 'Chatterbot' at Greenwood Elementary, setting the stage for a journey into the world of AI.
- **Set the Context:** Explain the scenario where the children are fascinated by the chatbot's human-like responses, sparking their interest in the role of AI chatbots in daily life. This sets the backdrop for discussing the practical applications and human-like interactions of AI.
- **Pose a Thought-Provoking Question:** Introduce the central question explored by the children: "Can a chatbot ever be a true friend?" Use this to engage the audience and encourage them to think about the emotional capabilities and limitations of AI.
- **Highlight Ethical Considerations:** Mention that the session will also delve into the ethical aspects of AI, such as biases in AI chatbots and the importance of responsible development and usage.

- Invite Participation: Encourage participants to share their initial thoughts or experiences with AI chatbots, fostering an interactive and engaging start to the session.

Video: (5-10 minutes)

Let the students watch the video then ask them about their opinions discussing these main ideas:

- Role of AI Chatbots: The exploration of AI chatbots' capabilities in mimicking human-like interactions, such as conversation and humor, and their integration into daily tasks.
- Ethical Considerations and Limitations of AI: The discussion around the ethical implications of AI chatbots, focusing on the importance of addressing biases in their programming and the recognition that, despite their advanced capabilities, they cannot replace the emotional depth and connections of human friendships.

Activity (5 minutes):

Students are going to drag and drop what the chatbot is capable of doing.

Wrap-up (5 minutes):

- Summarize the session by revisiting the main topics - the intriguing human-like capabilities of AI chatbots as seen with 'Chatterbot' and their growing role in everyday life, from online assistance to home entertainment.
- Emphasize the importance of ethical considerations in AI development, especially the need to address biases in training data and the limitations of AI in understanding and replicating the depth of human emotions and connections.
- Highlight that while AI chatbots are innovative and useful tools, they serve as assistants rather than replacements for the genuine connections and emotional depth found in human friendships.
- Invite the participants to reflect on how they interact with AI in their daily lives and the importance of critical thinking when it comes to the ethical use of AI technologies.

Understanding AI Bias: The Challenge of Fairness in Artificial Intelligence

In this episode, students will explore the concept of AI bias, understanding that bias is an unfair leaning or preference, which can also affect AI systems. They will learn how AI, influenced by human-provided data, can inherit biases, much like forming opinions from limited information. The source of this bias often lies in the data's historical and societal context or the AI creators' own biases.

The episode will highlight real-world implications of AI bias, such as its potential impact in healthcare misdiagnosis or reinforcing stereotypes in education. Students will see how AI bias affects not just individuals but entire communities, leading to unjust treatment.

Efforts to mitigate AI bias, including diversifying training data and implementing fair regulations, will be discussed. The episode concludes by emphasizing the importance of recognizing and addressing AI bias to ensure technology is used equitably and inclusively, respecting all perspectives.

Learning Objectives

- Investigate the complexities of AI bias.
- Understand AI's origins, and gain insights into the challenges of navigating through biased artificial intelligence.
- Assess the real-world consequences of AI bias, exploring how it affects individuals and communities, and contemplating potential solutions to mitigate its impact.

Main Definitions

- Bias: A tendency to lean in a certain direction, often unfairly.
- AI Bias: The phenomenon where AI systems make decisions that are unfair or one-sided, typically as a result of learning from biased human-provided data.
- Origins of AI Bias: AI bias originates from historical and societal contexts, as well as the biases of the people who create the AI systems.
- Real-World Consequences of AI Bias: AI bias can lead to significant issues, such as incorrect medical diagnoses in certain groups or reinforcing stereotypes in educational settings.
- Mitigation of AI Bias: Efforts to reduce AI bias involve training AI with more diverse data and implementing regulations to promote fairness and unbiased AI operation.

How to Start the Session

Introduction (10 minutes):

- Introduce the Concept of Bias: Begin by explaining bias in simple terms, like having a favorite ice cream flavor, and how sometimes this can be unfair.
- Explain AI Bias in Simple Terms: Describe AI bias as when computers or robots make choices that might not be fair because they learned from information that wasn't fair.
- Use Relatable Examples: Give examples that are relatable to children, such as a computer game that only works well for some players but not others, to illustrate the concept of AI bias.
- Discuss the Importance of Fairness: Highlight why it's important for computers and robots to be fair to everyone, just like how we try to be fair to all our friends in school.
- Encourage Participation: Ask the students if they have noticed anything in their games or apps that didn't seem fair, to engage them and make the topic interactive and relatable.

Video: (5-10 minutes)

Let the students watch the video then ask them about their opinions discussing these main ideas:

- **Understanding Bias:** Introducing the concept of bias to children in a simple and relatable manner, such as preferring one thing over another and how it can sometimes lead to unfairness.
- **Explaining AI Bias:** Describing AI bias as situations where computers or robots make unfair choices because they learn from information that is not fair.
- **Relatable Examples:** Using examples familiar to children, like computer games, to illustrate how AI bias can manifest in everyday technology.
- **Importance of Fairness in AI:** Emphasizing the significance of fairness in AI systems, paralleling the concept of fairness in human interactions.
- **Engaging Students in Discussion:** Encouraging students to participate by sharing their own experiences or observations of unfairness in games or apps, making the topic interactive and understandable.

Activity (5 minutes):

Students are required to drag the words to complete each sentence based on the context of AI bias.

Wrap-up (5 minutes):

- **Recap the Key Concepts:** Summarize the main points discussed - the idea of bias as having a favorite, AI bias as when computers make choices that aren't fair, and how this can show up in games and apps.
- **Reinforce the Importance of Fairness:** Emphasize the importance of fairness, both in how we treat each other and how we expect computers and robots to treat us. Highlight that everyone deserves to be treated fairly.
- **Encourage Continued Awareness:** Urge the students to be mindful of fairness in their daily interactions with technology. Suggest that they think about whether the games and tools they use are fair for everyone.
- **Inspire Action:** Encourage students to speak up if they notice something that doesn't seem fair, whether in a game, an app, or in their interactions with others.
- **Conclude with Appreciation:** Thank the students for their participation and attention. Appreciate their engagement and insights, and encourage them to continue learning and thinking about how technology impacts our lives.
- **Invite Final Questions or Thoughts:** Open the floor for any last questions or comments from the students, allowing them to clarify any doubts and solidify their understanding of the session's content.

Understanding AI Algorithms in Your Online World

In this episode, students will explore how AI algorithms help choose what we see online, like showing more cat videos if that's what we like. These algorithms act like spotlight operators on a big internet stage, highlighting things based on our past likes. But, they can sometimes make us miss out on new and different things.

The episode will encourage students to think about what else they might find interesting, who's making the content, and if it's fair and balanced. It's important to remember that we're in charge of our online journey. By exploring new things, sharing with friends, and being curious, we can make our online world more exciting and diverse.

Learning Objectives

- Delve into the realm of AI algorithms and their influence on shaping online content.
- Question how artificial intelligence molds the information we encounter.

Main Definitions

- **AI Algorithms:** Digital tools that determine what content we see online based on our past interactions, like likes and clicks.
- **Internet as a Stage:** A metaphor for the online world, where content (videos, posts) is compared to performers and AI algorithms act as spotlight operators, highlighting content based on user preferences.

How to Start the Session

Introduction (10 minutes):

- **Introduce AI Algorithms:** Begin by explaining AI algorithms as digital helpers that decide what we see online, like our favorite cat videos.
- **Describe the Internet as a Stage:** Paint the picture of the internet as a big stage where posts and videos are like performers. Explain that AI algorithms are like helpers who shine spotlights on what they think we'll like.
- **Engage with a Question:** Ask the students if they've ever noticed how they keep seeing the same types of videos or posts online. Use this question to engage their interest and relate to the topic.
- **Set the Context for Exploration:** Let the students know that they'll be learning about how these digital helpers work and why it's important to explore beyond what they show us.
- **Encourage Curiosity and Participation:** Motivate the students to be curious and think about what else might be out there on the internet that they haven't seen yet. Invite them to share their thoughts and experiences to make the session interactive.

Video: (5-10 minutes)

Let the students watch the video then ask them about their opinions discussing these main ideas:

- Explaining AI algorithms as digital tools that influence what content is displayed to users online, based on their previous interactions.
- Describing the internet as a stage where various types of content (like videos and posts) are the performers, and AI algorithms act as spotlight operators, highlighting content based on what users have previously shown interest in.

Activity (5 minutes):

Students will fill in the blanks with the correct word from the word bank.

Wrap-up (5 minutes):

- Summarize the Session: Recap the key points discussed - AI algorithms as digital helpers that choose what we see online and the analogy of the internet as a stage with content as performers.
- Highlight the Importance of Exploration: Emphasize the value of exploring different types of content online, beyond what the AI algorithms typically show, to discover new and diverse information.
- Encourage Critical Thinking: Remind the students to think about why certain content is shown to them and the importance of seeing different viewpoints and stories.
- Inspire Continued Learning: Urge the students to keep learning and being curious about how the internet works and the role of AI in shaping our online experiences.
- Thank for Participation: Express gratitude to the students for their attention and engagement throughout the session, acknowledging their contributions and curiosity.
- Invite Final Questions or Thoughts: Open the floor for any last questions or comments from the students to ensure they leave the session with a clear understanding of the topic.

06 Shaping the Future: The Exciting and Ethical Journey of AI

In this episode, students will learn about the exciting future of Artificial Intelligence (AI). They'll discover how AI is advancing towards having human-like abilities and how technologies like augmented reality and brain-computer interfaces will deepen human-machine collaboration. The episode will highlight the importance of teaching AI to follow human values and respect privacy, much like training a puppy. It will also delve into the impact of AI on jobs, explaining how automation will change the workforce but also create new opportunities in fields like AI ethics, robot programming, and virtual reality design.

Students will be encouraged to think about how their actions today can shape the future of AI, emphasizing that with careful guidance, AI can be a positive force for solving big problems and making the world a better place.

Learning Objectives

- Explore the pros and cons of Artificial Intelligence (AI).
- Delve into its positive impact on efficiency, problem-solving, education, healthcare, and communication.
- Be aware of the risks, including bias, job displacement, and privacy concerns.
- Engage in critical discussions to understand AI's multifaceted nature and its societal implications.

Main Definitions

- Ethical Considerations for AI: Involves ensuring that AI systems align with human values, do not perpetuate unfairness, and respect privacy.
- AI-Driven Automation: Refers to the process of using AI technologies to automate tasks and processes traditionally performed by humans.
- Augmented Reality (AR) and Brain-Computer Interfaces (BCI): Technologies that blend the physical and digital worlds, enhancing human-machine interaction and collaboration.

How to Start the Session

Introduction (10 minutes):

- Introduction to AI: Begin by providing a brief overview of what AI is and its significance in today's world. Explain how AI systems are designed to mimic human intelligence and how they are becoming increasingly integrated into various aspects of our lives.
- Engage Students with a Question: Pose a thought-provoking question to the students to grab their attention and encourage participation. For example, you could ask, "Have you ever imagined what the future might look like with advanced AI technologies?"
- Set the Topic: Clearly outline the focus of the session, which is to explore the future advancements in AI and their potential impact on society, jobs, and human-machine collaboration.
- Outline the Agenda: Provide an overview of what will be covered during the session, including topics such as ethical considerations for AI, AI-driven automation, emerging technologies like augmented reality and brain-computer interfaces, and the future of jobs in the AI era.
- Encourage Curiosity: Invite students to share their thoughts, questions, or experiences related to AI. Encourage them to be curious and open-minded as they explore the topic further.

Video: (5-10 minutes)

Let the students watch the video then ask them about their opinions discussing these main ideas:

- **Future of AI Advancements:** Discusses how AI is evolving towards human-like reasoning and problem-solving abilities, leading to more advanced systems with capabilities akin to colleagues or friends.
- **Integration of Physical and Digital Realms:** Highlights the fusion of physical and digital realms through technologies like augmented reality glasses and brain-computer interfaces, enhancing human-machine interaction and collaboration.
- **Ethical Considerations for Future AI:** Emphasizes the importance of ethical considerations in the development of future AI, including alignment with human values, avoidance of unfairness, and respect for privacy.
- **Impact on Jobs and Workforce:** Explores the transformation of the workforce due to AI-driven automation, with some jobs phasing out and new roles emerging. Skills like critical thinking, creativity, and collaboration become crucial in the AI era.
- **Collaborative Synergy between Humans and AI:** Highlights the collaborative synergy between humans and AI in the workplace, with new roles like AI ethicists, robot programmers, and virtual reality designers emphasizing the partnership between humans and AI.
- **Responsibility in Shaping AI's Future:** Encourages responsible decision-making and setting good rules for AI to ensure its positive contribution to solving global problems and making the world a better place.

Activity (5 minutes):

Students are going to drag and drop the sentences by using the green sticky notes for listing the advantages of Artificial Intelligence (AI), and the beige sticky notes for its disadvantages

Wrap-up (5 minutes):

- **Reflect on Key Points:** Take a moment to reflect on the main ideas discussed today regarding the future of Artificial Intelligence (AI) and its implications.
- **Summarize Discussions:** Summarize the key discussions and insights shared during the session, emphasizing the importance of ethical considerations, the impact on the workforce, and the collaborative synergy between humans and AI.
- **Reiterate Responsibilities:** Reiterate the responsibilities we have in shaping the future of AI, emphasizing the need for ethical decision-making and setting clear guidelines for AI development and implementation.
- **Encourage Action:** Encourage students to take proactive steps in learning more about AI, staying informed about advancements, and advocating for responsible AI usage in their communities.

07 A Journey of Questions and Discoveries

In this episode, students will delve into the fascinating realm of Artificial Intelligence (AI) and its future implications. They will explore how AI is evolving towards human-like reasoning and problem-solving abilities, leading to advanced systems that blur the lines between the physical and digital worlds. Through discussions on ethical considerations, the impact on the workforce, and the collaborative synergy between humans and AI, students will gain insight into their role in shaping the responsible development and implementation of AI technologies. Join us as we embark on a journey to understand the transformative potential of AI and its implications for the future.

Learning Objectives

- Understand the Essence of AI.
- Learn AI Training Processes
- Explore the Influence of AI Algorithms
- Assess the Risks and Benefits of AI

Main Definitions

- AI: Advanced computer systems that mimic human intelligence.
- Human-like abilities: AI evolving to think and solve problems like humans.
- Ethics: Moral considerations in AI development and use.
- Workforce impact: Changes in jobs due to AI automation.
- Collaborative synergy: Working together between humans and AI.

How to Start the Session

Introduction (10 minutes):

- Begin by introducing the topic of discussion, Artificial Intelligence (AI), and its relevance to the students.
- Engage: Encourage participation by asking thought-provoking questions or sharing an intriguing fact about AI to capture students' interest.
- Set Objectives: Clearly state the objectives of the session, outlining what students will learn and discuss during the session.
- Activate Prior Knowledge: Prompt students to share any existing knowledge or experiences they have with AI, fostering a collaborative learning environment.
- Provide Context: Offer background information on AI, its significance in today's world, and its potential impact on various aspects of society.

Activity (5 minutes):

Students are provided with 10 questions. If the answer is 'Yes,' they will place the question in the green box. If the answer is 'No,' they will put it in the red box.

Wrap-up (5 minutes):

- Summarize: Provide a brief summary of the key points discussed during the session.
- Reflect: Encourage students to reflect on what they've learned and any insights gained from the discussion.
- Connect: Relate the session's topics to real-world examples or future applications of AI, reinforcing its relevance.
- Address Questions: Invite students to ask any remaining questions or share their thoughts before concluding the session.
- Reinforce Learning Objectives: Remind students of the session's objectives and how they've been addressed throughout the discussion.