Due Jun 20, 1:59 PM +07



Congratulations! You passed!

Grade received 100%

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1.	What does "ethics by design" mean?	1 / 1 point
	A reference to the framework set forth by IEEE's <i>Ethically Aligned Design</i> .	
	An approach in which ethics is considered from the initial design stage.	
	A creative design approach as the focus for ethics.	
	A reference to one of the tenets of engineering activism.	
	 Correct "By design" indicates that ethical principles are incorporated into the project's requirements and build plan. 	
2.	Which of the following describes why explainability is important?	1/1 point
	It provides accountability and trust.	
	O It is necessary so that internal stakeholders can understand how a system works.	
	O It enables you to explain a system for shareholder purposes.	
	O It provides interpretations of a system's actions.	
	Correct If we can't explain how an AI came to a decision, how can we trust its decision? Accountability helps us hold people or things responsible for good or bad behavior.	
3.	Which of the following describes personhood?	1/1 point
	Personhood is often used to dictate how something is treated.	
	O Personhood is the legal protection provided to AI systems.	

	O Personhood is an individual's right to freedom.	
	Personhood is a concept that applies to narrow AI.	
	 Correct Personhood determines the rights, protections, privileges, responsibilities, liability, and duty of persons under the law of a society. 	
4.	Which of the following describe how adopting ethical practices can be a strategic differentiator? (Select three.) It will build customer trust.	1 / 1 point
	 Correct Customers value transparency and openness. In today's market, customers expect companies to act ethically in business. 	
	✓ It will support the development of strategic partnerships.	
	 Correct Companies want to work with other companies that are ethical as this ensures a more transparent business process. 	
	☐ It will ensure you comply with regulations.	
	It will encourage applicants to apply for your company.	
	Correct Highly skilled applicants will have a plethora of jobs to accept; they may gravitate towards companies that they know are doing ethical work.	
	☐ It will reduce your business obligations toward customers and business partners.	
5.		1/1 point
	Which of the following best describes beneficence?	
	Beneficence is the promotion of efficient systems that perform rapidly and benefit companies.	
	Beneficence is the promotion of well-being for moral agents like humans. Repetitions is a term coined by IRM that relates to their Green Herizons initiative in 2014.	
	Beneficence is a term coined by IBM that relates to their Green Horizons initiative in 2014. Beneficence is the promotion of well-being, not just for moral agents like humans, but of animals, the	
	Beneficence is the promotion of well-being, not just for moral agents like humans, but of animals, the environment, and societies.	
	Correct	

6.	What is the difference between beneficence and non-maleficence?
	Beneficence refers to "do only good" and non-maleficence refers to "do no harm."
	O Non-maleficence refers only to malevolent artificial general intelligence (AGI), while beneficence can refer to any "good" emerging technology.
	O Beneficence is a less important goal for the field of AI than non-maleficence.
	O Beneficence and non-maleficence are quite similar and often interchangeable.
	Correct Non-maleficence is about preventing harm. Some examples include preventing people from being harmed or preventing violations of people's rights.
7	Which of the following are valid concerns regarding electronic personalities? (Select two.)
	That they would create unfair advantages, as not everyone has access to the same rights.
	Correct When Saudi Arabia granted citizenship to Sophia, she was given more rights than Saudi women and migrant workers have.
	☐ That individuals would start applying for electronic personalities.
	☐ That they will make it more difficult to access information.
	✓ That they would absolve manufacturers of liability.
	Correct This becomes a risk as such a status could allow robots to be insured individually and be held liable for damages if they go rogue and start hurting people or damaging property.
8.	Which of the following are ways to participate in engineering activism? (Select two.)
	✓ Follow a code of ethics.

It is important to remember the larger impact of AI systems. Understanding the environmental impact is

an important part of today's research.

	A code of ethics can help keep engineers and other technical personnel focus on benefitting people and societies through their projects.	
	□ Perform all tasks required of you.☑ Engage with the public.	
	 Correct Engaging with the public and ensuring there is two-way communication is a great way to uphold engineering activism. 	
	Follow ethics by design.	
9.	How can Al uphold justice?	1/1 point
	The more AI-based products being used in the justice system, the more justice can be upheld.	
	Al systems can be designed from the start to help promote fairness and minimize bias.	
	Al systems can replace human judges, who are often biased.	
	Al can automate many of the clerical tasks involved in the justice system.	
	 Correct Fairness must be considered during the design of a system, not after. In order to promote fairness, we need to minimize bias. 	
10	Which of the following are examples of how Al can limit human autonomy? (Colect two.)	
10.	Which of the following are examples of how AI can limit human autonomy? (Select two.)	1/1 point
	Weapon systems can limit human autonomy as humans may not have decision-making capability or understand the decision making.	
	 Correct Since weapons are designed to harm or kill, automated systems that use weapons may affect an individual's right to life and safety. 	
	Al systems might impact certain vulnerable groups such as the elderly and children differently than the rest of the population, which could limit those groups' autonomy.	
	 Correct This is due to their unique needs and a possible lack of ability to consent or mitigate AI's negative effects. 	
	Al systems can assist individuals with automated, repetitive, or dangerous tasks.	
	☐ Al systems can perform tasks that humans cannot, such as processing millions of data records in a matter of	

seconds.