Introduction (10 minutes)
Read the introduction to the challenge-based learning activity and answer the following questions:
What is the main purpose of Al-powered diagnostic tools in healthcare?
2. How can Al-powered diagnostic tools be used to detect heart disease?
Understanding Heart Disease (15 minutes)
Read the section on understanding heart disease and answer the following questions:
1. What are the main causes of heart disease?
2. How can heart disease be prevented?

ntroduction	o Artificial Intelligence (15 minutes)
	n on introduction to artificial intelligence and answer the following questions: rtificial intelligence?
2. How can	artificial intelligence be used in healthcare?
Лachine Lea	ning and Deep Learning (20 minutes)
	ning and Deep Learning (20 minutes) n on machine learning and deep learning and answer the following questions:
Read the section	
Read the section	n on machine learning and deep learning and answer the following questions:
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Pead the section	n on machine learning and deep learning and answer the following questions:
Pead the section	n on machine learning and deep learning and answer the following questions: nachine learning?
Pead the section	n on machine learning and deep learning and answer the following questions: nachine learning?

d the section on designing and developing Al-powered diagnostic tools and answer stions:	the following
What are the steps involved in designing and developing Al-powered diagnostic	tools?
2. How can Al-powered diagnostic tools be used to detect heart disease?	
a Analysis and Interpretation (20 minutes)	
a Analysis and Interpretation (20 minutes) d the section on data analysis and interpretation and answer the following question	s:
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d the section on data analysis and interpretation and answer the following question	S:
d the section on data analysis and interpretation and answer the following question	s:
d the section on data analysis and interpretation and answer the following question	S:

ead the case study o uestions:	on Al-powered diagnostic tool for heart disease detection and answer the following
1. What are the be	enefits of using Al-powered diagnostic tools in healthcare?
2. What are the lin	nitations of using AI-powered diagnostic tools in healthcare?
ctivities and Oues	stions (20 minutes)
nswer the following	
	relop a basic Al-powered diagnostic tool for heart disease detection and prediction.
	study of a patient with heart disease and develop a plan for using an Al-powered to improve patient outcomes.

001101	usion (10 minutes)
Read tl	ne conclusion and answer the following questions:
1. V	Vhat are the main points of the challenge-based learning activity?
2. F	low can Al-powered diagnostic tools be used to improve patient outcomes?
L.	
Refere	ences (10 minutes)
	ences (10 minutes) the references and answer the following questions:
Read th	
Read th	ne references and answer the following questions:
Read th	ne references and answer the following questions:
Read tl	ne references and answer the following questions: What are the main sources of information for the challenge-based learning activity?
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