AI in robotics

Activity 18

Explain artificial intelligence and machine learning in robotics.

Use the words to fill in the blank spaces.

applications	technologies	flexible
learning	decisions	branch

Artificial intelligence (AI) and robotics are two ..... that can be used together for many ..... such as automating tasks. There are many potential applications of task automation in industry and elsewhere. Some applications of AI and robots include:

- assembly
- customer service
- open-source robotics

Machine Learning (ML) is a ..... of artificial intelligence. Machine learning is how computers recognise patterns and make ..... without being explicitly programmed. Some applications of machine learning that can be used in robotics include:

- computer vision
- learning applications
- natural language processing

Using robotics with AI can make robots ....., easy to communicate with and capable of ..... This means robots will be able to do more than just follow pre-programmed or user instructions.

LIVEWORKSHEETS