



مناقصة رقم 69 / ن / ف / 2024

توريد وتركيب وتشغيل وتدريب روبوت/ كلية تكنولوجيا المعلومات

Specifications for Educational Robot:

Dimensions:

1. Human-like design with expressive features
2. Height: at least 58 cm

Mobility:

1. 25 degrees of freedom with articulated joints for complex movements
2. Enhanced balance and walking capabilities

Sensors:

1. (At least) 4 microphones for sound localization and voice recognition
2. 2 cameras (one for color and one for depth perception)
3. Infrared sensors for obstacle detection
4. Touch sensors on various parts of the body

Control:

1. Runs on a Linux-based operating system or equivalent operating system
2. Programming support in Python and C++
3. Open-source SDK and APIs available for developers

Interaction:

1. Capable of recognizing and responding to voice commands
2. Can engage in simple conversations and display various emotions through expressions

Connectivity:

1. Wi-Fi and Bluetooth connectivity for network access and device pairing
2. USB and Ethernet ports for wired connections

Power:

Rechargeable battery with a typical usage time of 1-2 hours at least

Applications:

1. It should support various applications for interaction, programming, and robotics learning

● تعبئة المواد أعلاه حسب النموذج التالي:

التسليم	السعر الاجمالي	السعر الافرادي	الموديل	المنشأ/ الصانع	الكمية	المادة	البند