



Encompassing Technical Training Solutions

xArm Industrial Robotics by uFactory

the most affordable industrial cobot available



CURRICULUM

Principles of Robotics

History, Education & Career Paths, Mathematical Concepts, Safety, System Platforms and Ethics.



ACTIVITY Search of Local Industries

SECTION 4

02 Could they host an onsite tour or virtual tour of have a company representative speak to the class?

Search local industries in your area that use robotic robotic arms.

SECTION 3 A. Programs of Certification

1. General: Many educational institutions offer courses in various fields, such as electronics, programming, mechanical systems, safety, fluid systems, and others, which can help students acquire the necessary knowledge



SECTION 16 Robotics Programming

A. Text-Based Programming

Popular text-based programming languages used in robotics include Python, C++, and JavaScript. Learning the library of functions or commands and syntax gives some one to get started with text-based programming languages. It requires much discipline to keep the lines of programming organized to keep from receiving errors or forgetting where commands start and end.



ACTIVITY Quick Search & Group Discussion

SECTION 11

01 Class discussion. What was the first robotic hand or the first walking robot?

02 What are some other famous historical robot?



SECTION 4 Careers in Robotics

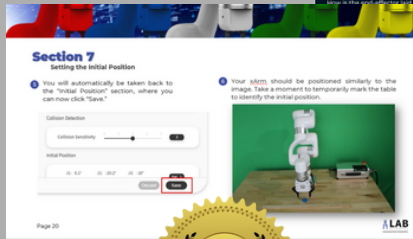
Jobs that can be pursued by those who are passionate learning or programming robots, there are numerous opportunities available in the field of robotics!

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Activity SECTION 11

Look up a Multiview drawing or blueprint of an end effector.



Easy to Use
Lightweight
2 lbs Payload
Powerful Joints
Open-Source Platform
ACCESSORIES

mechanical gripper
DC control module
camera module
vacuum gripper
work-station
bio gripper

