Robot Study

Research your assigned robot and gather the following information:

1. What task does the robot perform? What human function or task does this robot simulate?
2. Where is the robot used? What is its work envelope (how many degrees of freedom or flexible joints does it have)?
3. Is the robotic **end effector** multi-functional? If so, what other tasks can it perform?
4. How is the robot taught to perform its task?
5. What sensors does the robot have and how does the robot use these sensors?
6. Name some advantages and disadvantages of using a robot to complete this task.
7. Describe the **impact** that this robot has had or could have on its intended audience.
8. What type of jobs/careers did the creation of this robot provide for employment for people?
9. Predict and explain how this robot may be altered to perform more or different tasks in the future.
10. What else can you tell about this robot? Can it be purchased? How much does it cost?

Rubric

100	Answered 10 ?s effectively
25	Visual supports included and related
10	Title Page
15	Sources Cited
25	Presentation
25	Teamwork
200	Grand Total

Title page

Include your group members, robot’s name, brief description, and a visual support

What task does the robot perform? What human function or task does this robot simulate?

Where is the robot used? What is its work envelope (how many degrees of freedom or flexible joints does it have)?

Is the robotic **end effector** multi-functional? If so, what other tasks can it perform?

How is the robot taught to perform its task?

What sensors does the robot have and how does the robot use these sensors?

Name some advantages and disadvantages of using a robot to complete this task.

Describe the **impact** that this robot has had or could have on its intended audience.

What type of jobs/careers did the creation of this robot provide for employment for people?

Predict and explain how this robot may be altered to perform more or different tasks in the future.

What else can you tell about this robot? Can it be purchased? How much does it cost?

Cite at least three sources (Remember: google images is not a source)