post_synchrony_questions

Participant ID

Please answer the following questions about your experience with **the ROBOTIC ARM YOU JUST WORKED WITH.**

Read each statement carefully about **the ROBOTIC ARM YOU JUST WORKED WITH.**

Indicate the extent to which you agree or disagree.

	Strongly disagree	Disagree	Somewhat disagree	Neutral	Somewhat agree	Agree	Strongly agree
I understand what the robotic arm should do.	○	○	○	○	○	○	○

I understand the limitations of the robotic arm.	○	○	○	○	○	○	○
The robotic arm helped me achieve a goal to move toy balls in this task.	○	○	○	○	○	○	○
I understand the capabilities of the robotic arm.	○	○	○	○	○	○	○

Read each statement carefully about **the ROBOTIC ARM YOU JUST WORKED WITH.**

Indicate the extent to which you agree or disagree with each statement.

	Strongly disagree	Disagree	Somewhat disagree	Neutral	Somewhat agree	Agree	Stro ag
I feel comfortable relying on information provided by the robotic arm.	○	○	○	○	○	○	○
The robotic arm performs consistently.	○	○	○	○	○	○	○

I am rarely surprised by how the robotic arm responds.

  ◯   ◯   ◯   ◯   ◯   ◯   ◯

Read each statement carefully about **the ROBOTIC ARM YOU JUST WORKED WITH.**

Indicate the extent to which you agree or disagree with each statement.

	Strongly disagree	Disagree	Somewhat disagree	Neutral	Somewhat agree	Agree	Stro ag
The robotic arm performs the way it should.	◯	◯	◯	◯	◯	◯	◯
I understand how the robotic arm executes tasks.	◯	◯	◯	◯	◯	◯	◯
Choose disagree for this statement.	◯	◯	◯	◯	◯	◯	◯

Please rate **the ROBOTIC ARM YOU JUST WORKED WITH** using the scale below.

If a particular item does not seem to fit the robotic arm in the situation, please select the option that says "Does Not Fit."

	Not at all 0	1	2	3	4	5	6	Very 7	Does Not Fit
Capable	○	○	○	○	○	○	○	○	○
Reliable	○	○	○	○	○	○	○	○	○
Ethical	○	○	○	○	○	○	○	○	○
Sincere	○	○	○	○	○	○	○	○	○
	Not at all 0	1	2	3	4	5	6	Very 7	Does Not Fit

Please rate **the ROBOTIC ARM YOU JUST WORKED WITH** using the scale below.

If a particular item does not seem to fit the robotic arm in the situation, please select the option that says "Does Not Fit."

| | Not at all | | | | | | | Very | Does Not |

	0	1	2	3	4	5	6	7	Fit
Genuine	◯	◯	◯	◯	◯	◯	◯	◯	◯
Predictable	◯	◯	◯	◯	◯	◯	◯	◯	◯
Respectable	◯	◯	◯	◯	◯	◯	◯	◯	◯
Skilled	◯	◯	◯	◯	◯	◯	◯	◯	◯

	Not at all 0	1	2	3	4	5	6	Very 7	Does Not Fit

Please rate **the ROBOTIC ARM YOU JUST WORKED WITH** using the scale below.

If a particular item does not seem to fit the robotic arm in the situation, please select the option that says "Does Not Fit."

	Not at all 0	1	2	3	4	5	6	Very 7	Does Not Fit
Principled	◯	◯	◯	◯	◯	◯	◯	◯	◯
Competent	◯	◯	◯	◯	◯	◯	◯	◯	◯

	Not at all 0	1	2	3	4	5	6	Very 7	Does Not Fit
Candid	○	○	○	○	○	○	○	○	○
You can count on the robotic arm	○	○	○	○	○	○	○	○	○

Please rate **the ROBOTIC ARM YOU JUST WORKED WITH** using the scale below.

If a particular item does not seem to fit the robotic arm in the situation, please select the option that says "Does Not Fit."

	Not at all 0	1	2	3	4	5	6	Very 7	Does Not Fit
Meticulous	○	○	○	○	○	○	○	○	○
Has Integrity	○	○	○	○	○	○	○	○	○
Authentic	○	○	○	○	○	○	○	○	○
Consistent	○	○	○	○	○	○	○	○	○

| | Not at all | | | | | | | Very | Does Not |

0   1   2   3   4   5   6   7   Fit

Using the scale provided, how closely are the words below associated with **the ROBOTIC ARM YOU JUST WORKED WITH?**

	Definitely NOT associated 1	2	3	4	5	6	7	8	Definitely associated 9
Scary	○	○	○	○	○	○	○	○	○
Feeling	○	○	○	○	○	○	○	○	○
Capable	○	○	○	○	○	○	○	○	○
Strange	○	○	○	○	○	○	○	○	○
Responsive	○	○	○	○	○	○	○	○	○
Happy	○	○	○	○	○	○	○	○	○

Using the scale provided, how closely are the words below associated with **the ROBOTIC ARM YOU JUST WORKED WITH?**

Definitely NOT associated

Definitely associated

	1	2	3	4	5	6	7	8	9
Dangerous	○	○	○	○	○	○	○	○	○
Interactive	○	○	○	○	○	○	○	○	○
Awkward	○	○	○	○	○	○	○	○	○
Reliable	○	○	○	○	○	○	○	○	○
Organic	○	○	○	○	○	○	○	○	○
Social	○	○	○	○	○	○	○	○	○

Using the scale provided, how closely are the words below associated with **the ROBOTIC ARM YOU JUST WORKED WITH?**

	Definitely NOT associated 1	2	3	4	5	6	7	8	Definitely associated 9
Aggressive	○	○	○	○	○	○	○	○	○
Competent	○	○	○	○	○	○	○	○	○
Knowledgable	○	○	○	○	○	○	○	○	○

Awful	○	○	○	○	○	○	○	○	○
Emotional	○	○	○	○	○	○	○	○	○
Compassionate	○	○	○	○	○	○	○	○	○

Indicate the extent to which you agree or disagree with the following statement about **the ROBOTIC ARM YOU JUST WORKED WITH.**

If invited, I would work with the robotic arm on another task.

Strongly disagree	Disagree	Somewhat disagree	Neutral	Somewhat agree	Agree	Strongly agree
○	○	○	○	○	○	○

Please answer the following questions about your attitudes towards **ROBOTIC ARMS**

	Strongly disagree	Disagree	Somewhat disagree	Neutral	Somewhat agree	
If robotic arms expressed emotions, I would be able to befriend them.	○	○	○	○	○	

Robotic arms are a good thing for society, because they help people.	○	○	○	○	○
I don't want a robotic arm to touch me.	○	○	○	○	○
Robotic arms are one of the areas of technology that need to be closely monitored.	○	○	○	○	○
Unregulated use of robotic arms can lead to societal upheavals.	○	○	○	○	○

Indicate the extent to which you agree or disagree with the following statements about the **ROBOTIC ARM YOU JUST WORKED WITH.**

	Strongly disagree	Disagree	Somewhat disagree	Neutral	Somewhat agree	Agree	Strongly agree
This task helped me understand how robotic arms work.	○	○	○	○	○	○	○
Robotic arms are powerful.	○	○	○	○	○	○	○

The robotic arm's movements were predictable.	○	○	○	○	○	○	○
I knew the robot would do the task successfully.	○	○	○	○	○	○	○

Please answer the following questions about your attitudes towards **ROBOTIC ARMS**

	Strongly disagree	Disagree	Somewhat disagree	Neutral	Somewhat agree	
Robotic arms scare me.	○	○	○	○	○	
Widespread use of robotic arms is going to take away jobs from people.	○	○	○	○	○	
I can trust a robotic arm.	○	○	○	○	○	
I fear that a robotic arm would not understand my commands.	○	○	○	○	○	
Robotic arms can make life easier.	○	○	○	○	○	

Indicate the extent to which you agree or disagree with the following statements about **the ROBOTIC ARM YOU JUST WORKED WITH.**

	Strongly disagree	Disagree	Somewhat disagree	Neutral	Somewhat agree	Agree	Stron agr
The robotic arm acts intentionally.	○	○	○	○	○	○	○
The robotic arm decides actively when to respond.	○	○	○	○	○	○	○

Rate the extent to which **the ROBOTIC ARM YOU JUST WORKED WITH** appears to have a **MIND OF ITS OWN**.

Not at all	1	2	3	4	5	6	Definitely
○	○	○	○	○	○	○	○

Please answer the following questions about your attitudes towards **ROBOTIC ARMS**

	Strongly disagree	Disagree	Somewhat disagree	Neutral	Somewhat agree	

I would feel uneasy if I was given a job where I had to use robotic arms.

○   ○   ○   ○   ○

Robotic arms are necessary because they can do jobs that are too hard or too dangerous for people.

○   ○   ○   ○   ○

Select strongly agree for this question.

○   ○   ○   ○   ○

I can trust persons and organizations related to the development of robotic arms.

○   ○   ○   ○   ○

Robotic arms may make us even lazier.

○   ○   ○   ○   ○

Persons and organizations related to the development of robotic arms will consider the needs, thoughts and feelings of their users.

○   ○   ○   ○   ○

Rate the extent to which **the ROBOTIC ARM YOU JUST WORKED WITH** appears to behave as if it has its **OWN BELIEFS AND DESIRES**.

Not at all	1	2	3	4	5	6	Definitely
0							7
○	○	○	○	○	○	○	○

Read each statement carefully about **the ROBOTIC ARM YOU JUST WORKED WITH**

Indicate the extent to which you agree or disagree with each statement.

	Strongly disagree	Disagree	Somewhat disagree	Neutral	Somewhat agree	Agree
My actions influence the behavior of the robotic arm.	○	○	○	○	○	○
I have some agency over the actions of the robotic arm.	○	○	○	○	○	○
The robotic arm is responsive to my actions.	○	○	○	○	○	○

Please answer the following questions about your attitudes towards **ROBOTIC ARMS**

	Strongly disagree	Disagree	Somewhat disagree	Neutral	Somewhat agree	
I am afraid that robotic arms will encourage less interaction between humans.	○	○	○	○	○	

Select strongly disagree for this question.	○	○	○	○	○
I would feel relaxed interacting with a robotic arm.	○	○	○	○	○
Assigning routine tasks to robotic arms lets people do more meaningful tasks.	○	○	○	○	○
Dangerous tasks should primarily be given to robotic arms.	○	○	○	○	○
I would feel very nervous just being around a robotic arm.	○	○	○	○	○

The following statements refer to **the BALL MOVING TASK** you just completed with the robotic arm.

Please read the statements carefully and choose how much you agree or disagree.

	Strongly disagree	Disagree	Somewhat disagree	Neutral	Somewhat agree	Agree	Strongly agree
The human-robot team felt well tuned.	○	○	○	○	○	○	○

The human-robot team did well on the task.	○	○	○	○	○	○	○
The robotic arm did its part successfully.	○	○	○	○	○	○	○

The following statements refer to **the BALL MOVING TASK** you just completed with the robotic arm.

Please read the statements carefully and choose how much you agree or disagree.

	Strongly disagree	Disagree	Somewhat disagree	Neutral	Somewhat agree	Agree	Strongly agree
I trusted the robotic arm to do the right thing at the right time.	○	○	○	○	○	○	○
I felt like the robotic arm was committed to the success of the team.	○	○	○	○	○	○	○

The robotic arm performed well as part of the team.

○   ○   ○   ○   ○   ○   ○

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