**Appendix I – TLX Questionnaire**

Participant ID number: Age:

1) **Mental** **Demand (no assistance)**: How much mental effort was required to follow the instructions for the non-assisted task?

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Very low | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Very high | | |

2) **Mental Demand (assistance):** How much mental effort was required to follow the instructions for the gesturing assisted task?

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Very low | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Very high | | |

**\*For the following questions please tick for the assisted task, and circle for the non-assisted task\***

3) **Temporal** **Demand**: How hurried or rushed did you feel during the task?

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Very low | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Very high | | |

4) **Performance**: How successful were you in accomplishing what you were asked to do?

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Perfect | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Failure | | |

5) **Effort**: How hard did you have to work to accomplish your level of performance?

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Very low | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Very high | | |

6) **Frustration**: How frustrating was the task to complete?

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Very low | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Very high | | |

7) **Physical** **Demand**: How physically hard was it to manoeuvre the robot to pick up blocks?

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Very low | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Very high | | |