

FBM 1: Object Perception

Team name: _____

Referee I: _____, Referee II: _____

Date and time: _____

Notes:

- Start and end time are based on the referee stop watch.
- Timeout is checked when the robot cannot detect the object within specified test duration.
- GT is the ground truth which is the information provided by the referee box.
- Objects identifier:
 - A1=black mug, A2=white mug, A3=coffee mug, A4=mug
 - B1=fork, B2=knife
 - C1=yellow box, C2=pink box
 - D1=gold frame, D2=black frame

Run 1 Start Time: _____, End Time: _____, ☐ Timeout

Object Detection

GT	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2
Robot	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2

Pose

GT	x	y	θ	Robot	x	y	θ

Comments: _____

Run 2 Start Time: _____, End Time: _____, ☐ Timeout

Object Detection

GT	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2
Robot	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2

Pose

GT	x	y	θ	Robot	x	y	θ

Comments: _____

Run 3 Start Time: _____, End Time: _____, ☐ Timeout

Object Detection

GT	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2
Robot	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2

Pose

GT	x	y	θ	Robot	x	y	θ

Comments: _____

Run 4 Start Time: _____, End Time: _____, ☐ Timeout

Object Detection

GT	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2
Robot	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2

Pose

GT	x	y	θ	Robot	x	y	θ

Comments: _____

Run 5 Start Time: _____, End Time: _____, ☐ Timeout

Object Detection

GT	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2
Robot	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2

Pose

GT	x	y	θ	Robot	x	y	θ

Comments: _____

Run 6 Start Time: _____, End Time: _____, ☐ Timeout

Object Detection

GT	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2
Robot	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2

Pose

GT	x	y	θ	Robot	x	y	θ

Comments: _____

Run 7 Start Time: _____, End Time: _____, ☐ Timeout

Object Detection

GT	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2
Robot	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2

Pose

GT	x	y	θ	Robot	x	y	θ

Comments: _____

Run 8 Start Time: _____, End Time: _____, ☐ Timeout

Object Detection

GT	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2
Robot	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2

Pose

GT	x	y	θ	Robot	x	y	θ

Comments: _____

Run 9 Start Time: _____, End Time: _____, ☐ Timeout

Object Detection

GT	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2
Robot	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2

Pose

GT	x	y	θ	Robot	x	y	θ

Comments: _____

Run 10 Start Time: _____, End Time: _____, ☐ Timeout

Object Detection

GT	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2
Robot	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2

Pose

GT	x	y	θ	Robot	x	y	θ

Comments: _____

Benchmarking data delivered appropriately: ☐ yes / ☐ no

Team leader signature: _____

Referee signature: _____