## **Sprint Retrospective Document**

Date: 28/03/2018 Group name / Project name: Group 12 / Collaborator Members: Tahsincan Köse, M. Raşit Özdemir, Cansın Canberi, Burak Hocaoğlu Assistant: Güneş Sucu Supervisor: Erol Şahin

## Sprint 7 summary

Item ID (from the previous retrospect ive doc)	ID of the related work package ID (from the Kick- off doc)	Status	Group's comments	Assistant or supervisor comments
1	3,4	Completed	Based on the similar methods used for corner detection in the previous sprint, the shared workspace and the object of interest can be detected in real-time manner.	
2	2,3,4,5	Completed	The object detection methods are integrated into the motion planning portion of the real-time application by connecting both modules by IPC mechanisms provided by Robot Operating System (ROS), namely Publisher and Subscriber.	
3	2,6	In progress	Watchdog system is still to be completed in terms of the connection to the motion planning work package and receiving	

			planned trajectories from it.	
4	2,3,4,5	Completed	The stacking scenario is done in simulation with constrained end effector movements in order to avoid unnecessary shaking motions that can cause the content of the objects to spread. The objects of interest are set to have specific orientations.	

## Sprint 8 plan

Item ID	ID of the related work package (from the Kick-off doc)	Description	Status
1	3	A more general approach to object detection in terms of responding to many different orientations and application of this to the motion planning work package	Leftover from Sprint 7
2	3,4,5	Detection of Human worker or entities that are dynamic in motion and behaves similar to human	New
3	6	Watchdog System will be up and running in order to filter risky motions and the robot will be run in real-world for the first time as for testing.	New
4	2,6	Execution of the robot arm in real environment and assignment of simple motion planning tasks	New
5	3,4	A simple approach to tracking simple objects that are dynamic in the robot's workspace and performing dynamic motion planning	New

## **Overall progress**

	Sprint 1	Sprint 2	Sprint 3	Sprint 4	Sprint 5	Sprint 6	Sprint 7
MF1	25%	100%	100%	100%	100%	100%	100%
MF2	0%	100%	100%	100%	100%	100%	100%
MF3	0%	20%	100%	100%	100%	100%	100%
MF4	15%	15%	25%	40%	50%	60%	60%
MF5	0%	0%	0%	0%	0%	5%	5%
MF6	0%	0%	0%	0%	0%	0%	0%
MF7	0%	0%	0%	20%	40%	40%	50%
MF8	0%	0%	0%	0%	0%	0%	0%
MF9	0%	0%	0%	0%	0%	0%	0%
MF10	0%	0%	0%	0%	0%	10%	25%
MF11	0%	0%	20%	50%	50%	70%	95%
MF12	0%	0%	0%	100%	100%	100%	100%
MF13	0%	0%	0%	0%	0%	50%	50%
MF14	0%	0%	0%	50%	70%	75%	100%

This section will be filled in by your supervisor.

Please grade the items below using the following scale:

1=Poor

2=Minimal

3=Sufficient

4=Above Average

5=Excellent

Criteria	Grade
Progress of the team in this sprint. (Grade percentage: 50%)	
The accuracy of the summary table above (e.g. are the task status declarations correct?). <i>(Grade percentage: 25%)</i>	
Considering the weekly meetings, the attendance and preparation level of the team (i.e. Toplantılara düzenli olarak ve hazır bir şekilde, örneğin bir toplantı gündemi oluşturarak, katıldılar mı?) (Grade percentage: 25%)	