Sprint Retrospective Document

Date: 03.04.2019
Project acronym: ROBOCON-OCU
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Sprint 7 summary

Item ID	WP ID	Status	Group's Comments
1	8	In progress	Some components have been tested.
2	9	Not started	
3	8	Not started	
4	8	Not started	
5*	7	In progress	We have started implementing the program.
7*	9	In progress	Some of the wrappers for various elements(buttons, sliders) on Qt is implemented.
8	6	In progress	Possible states are designed and modules are created.
9	10	Not started	
10	7	Not started	
11	5	Not started	
12	9	In progress	We have started implementing the program using Qt framework.
13	9	Not on the initial plan	We have started implementing a serial communication protocol to be able to interact with the microcontrollers.

* In Retrospective Document 6, we have made a typo and skipped Item ID 6.

Sprint 8 plan

Item ID	WP ID	Description	Status
1	8	Acquire and test hardware components(joysticks, buttons, etc.) for the operator controller	Leftover from Sprint 7
2	9	Design the low-level software architecture for the microcontroller which would handle the hardware components	Leftover from Sprint 7
3	8	Design the initial PCB(printed circuit board) for the operator system	Leftover from Sprint 7
4	8	Come up with the initial mechanical design for the operator system	Leftover from Sprint 7
5	7	Implement the designed multi-threaded on-board program to connect various parts of the on-board system	Leftover from Sprint 7
6	9	Design and implement the initial version of the customizable GUI by robot developers using created widget templates	Leftover from Sprint 7
7	6	Implement a supervisor program for the MiniRHex robot that handles commands and status updates between OCU and the robot	Leftover from Sprint 7
8	10	Create an initial demo of the OCU with MiniRHex robot without operator system hardware	Leftover from Sprint 7
9	7	Implement the designed initial API for the robot platform to be able to use OCU	Leftover from Sprint 7
10	5	Decrease latency of video stream to lower than 200 ms	Leftover from Sprint 7
11	9	Implement the designed multi-threaded operator program to connect various parts of the operator system	Leftover from Sprint 7

Overall progress

	Sprint 1	Sprint 2	Sprint 3	Sprint 4	Sprint 5	Sprint 6	Sprint 7
MF1	5%	12%	19%	22%	22%	22%	30%
MF2	5%	9%	18%	18%	18%	18%	35%
MF3	0%	17%	70%	80%	80%	90%	90%
MF4	0%	19%	70%	80%	80%	85%	85%
MF5	0%	0%	0%	0%	15%	50%	50%
MF6	0%	5%	7%	10%	10%	20%	20%
MF7	0%	5%	20%	35%	35%	45%	45%
MF8	0%	10%	20%	40%	45%	60%	70%
MF9	0%	0%	0%	0%	10%	20%	25%
MF10	0%	0%	0%	0%	0%	0%	0%