

# Sprint Retrospective Document

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Project acronym: ROBOCON-OCU

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## Sprint 4 summary

Item ID	WP ID	Status	Group's comments
1	9	Complete	The simple GUI is implemented with video streaming capability. We can receive a camera image from the on-board system and display the image in the GUI in soft-real time. The design of the GUI will be changed.
2	4	In progress	A simple C++ struct including directions and an index for the messages are sent from operator system to on-board system.
3	5	Complete	Modularization and porting of video streaming system to C++ is complete without using RHexLib
4	6	In progress	We acquired the motors and the controller for MiniRHex, some 3D printing work will be conducted
5	3	In progress	We have a working distro based on Yocto but some of the dependencies needed couldn't satisfied.
6	9	Was not on the initial plan	Input from a peripheral device, a gamepad, is received and processed for the command message that will be sent.

## Sprint 5 plan

Item ID	WP ID	Description	Status
1	6	3D printing some parts of MiniRHex and building the MiniRHex legged robot platform	Leftover from Sprint 4
2	3	Adding WxWidgets GUI framework to the Yocto distro and porting the distro to the UP platform	Leftover from Sprint 4
3	7	Research on how an API can be designed and implemented in C++	New
4	9	Changing the design of the basic GUI from the video player look: Adding new buttons, changing button positions from the bottom to the left and right side of the GUI	New
5	5	Decreasing latency of video stream	New

# Overall progress

	<b>Sprint 1</b>	<b>Sprint 2</b>	<b>Sprint 3</b>	<b>Sprint 4</b>	<b>Sprint 5</b>
<b>MF1</b>	5%	12%	19%	22%	
<b>MF2</b>	5%	9%	18%	18%	
<b>MF3</b>	0%	17%	70%	80%	
<b>MF4</b>	0%	19%	70%	80%	
<b>MF5</b>	0%	0%	0%	0%	
<b>MF6</b>	0%	5%	7%	10%	
<b>MF7</b>	0%	5%	20%	35%	
<b>MF8</b>	0%	10%	20%	40%	
<b>MF9</b>	0%	0%	0%	0%	
<b>MF10</b>	0%	0%	0%	0%	