Project 2: NRC Electron Microscope Tools

July 8 - July 12 Task Summary

Completed

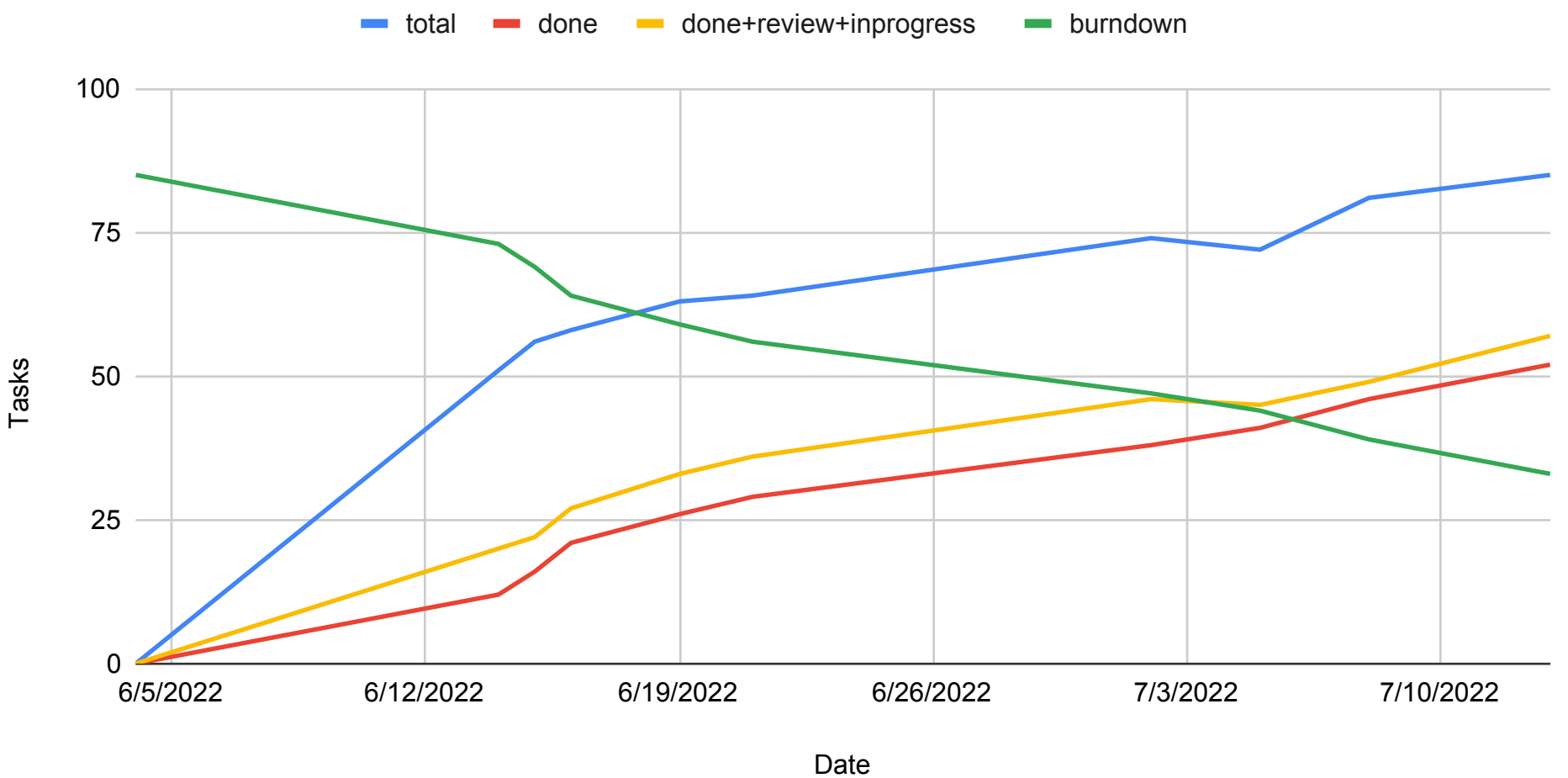
1	Analyze legacy math code for bottom lenses	josepena97	done	Jul 12, 2022	small
2	Integrate GUI controls with upper lenses engine	josepena97	done	Jul 12, 2022	medium
3	slider and on/off button for lower sliders	coffeehousejazz	done	Jul 11, 2022	x-small
4	add function for turning on/off lens	coffeehousejazz	done	Jul 11, 2022	small
5	Integrate automatic particle tracking	luctowers	done	Jul 11, 2022	large
6	Integrate backend upper lens (above the sample) calculations	josepena97	done	Jul 11, 2022	small

Work-in-progress

53	Integrate GUI controls with lower lenses engine	josepena97	in progress
54	Implement bottom lenses to Lens class	josepena97	in progress
55	Refactoring ray path math errors and ray path tests	josepena97	in progress
56	Implement alignment optimization engine	luctowers	in progress
57	Implement peak detection and core calculations in qEELS	veengren-s	in progress

Project 2: NRCEMT Burnup

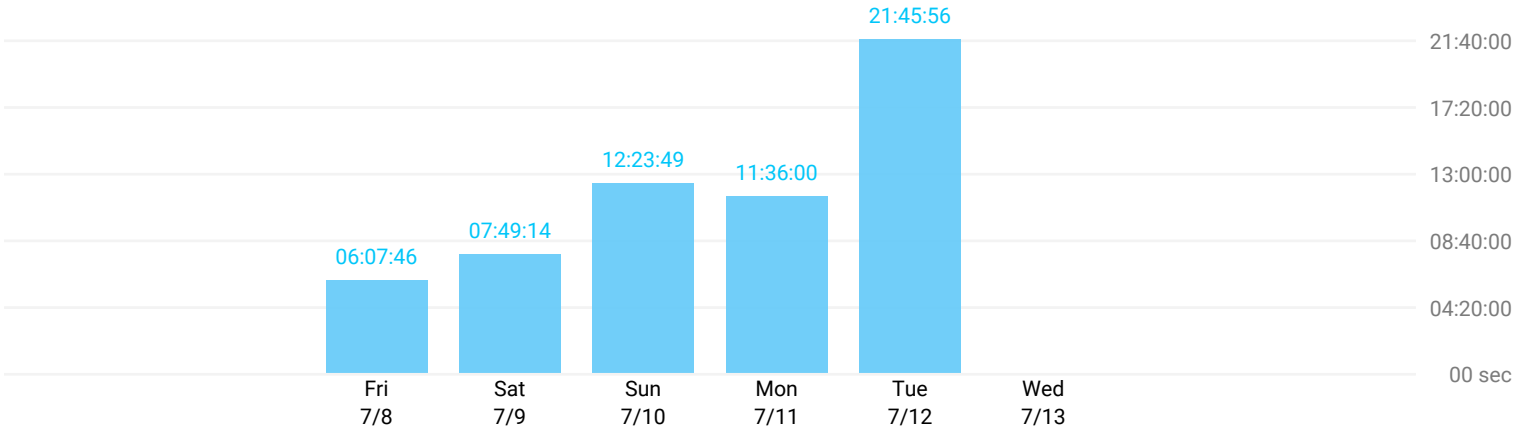
Based on Github Projects board

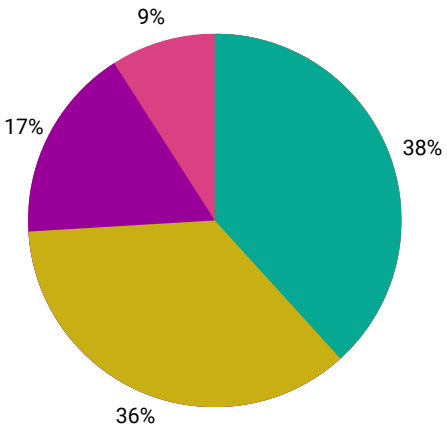


Summary Report

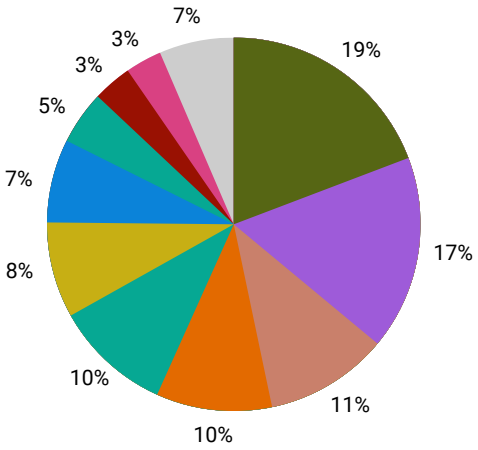
07/08/2022 – 07/13/2022

TOTAL HOURS: 59:42:45





USER	DURATION
JP Jose Pena	22:51:00
LT Lucas Towers	21:24:20
GC Garrett Cook	10:03:47
JM Jasmine Mishra	05:23:38



TIME ENTRY	DURATION
Upper lense oop, integrating GUI controls for upper lenses, refactoring code, analyzing legacy code, and fixing math errors	11:26:00
#167 qeels peak detection	10:03:47
Integrate GUI controls with engine	06:25:00
Polish auto tracking	06:00:00
Improve automatic tracking	06:00:00
Lower lenses math analysis and plan for oop	05:00:00
Investigate alignment optimization math	04:14:24
nanomi on/off button	02:48:57
Add particle series container for autmatic tracking GUI	02:00:00
Implement optmization math	01:51:00
Other time entries	03:53:37

USER - TIME ENTRY	DURATION	PERCENTAGE
GC Garrett Cook	10:03:47	16.85%
#167 qeels peak detection	10:03:47	16.85%
JM Jasmine Mishra	05:23:38	9.03%
code review	01:35:00	2.65%
lower beam sliders	31:53 min	0.89%
nanomi on/off button	02:48:57	4.72%
update logs	27:48 min	0.78%
JP Jose Pena	22:51:00	38.27%
Integrate GUI controls with engine	06:25:00	10.75%
Lower lenses math analysis and plan for oop	05:00:00	8.37%
Upper lense oop, integrating GUI controls for upper lenses, refactoring code, analyzing legacy code, and fixing math errors	11:26:00	19.15%
LT Lucas Towers	21:24:20	35.85%
Add particle series container for autmatic tracking GUI	02:00:00	3.35%
Implement optmization math	01:51:00	3.1%
Improve automatic tracking	06:00:00	10.05%
Integrate automatic tracking with GUI	01:18:56	2.2%
Investigate alignment optimization math	04:14:24	7.1%

USER - TIME ENTRY	DURATION	PERCENTAGE
Polish auto tracking	06:00:00	10.05%

Summary Report

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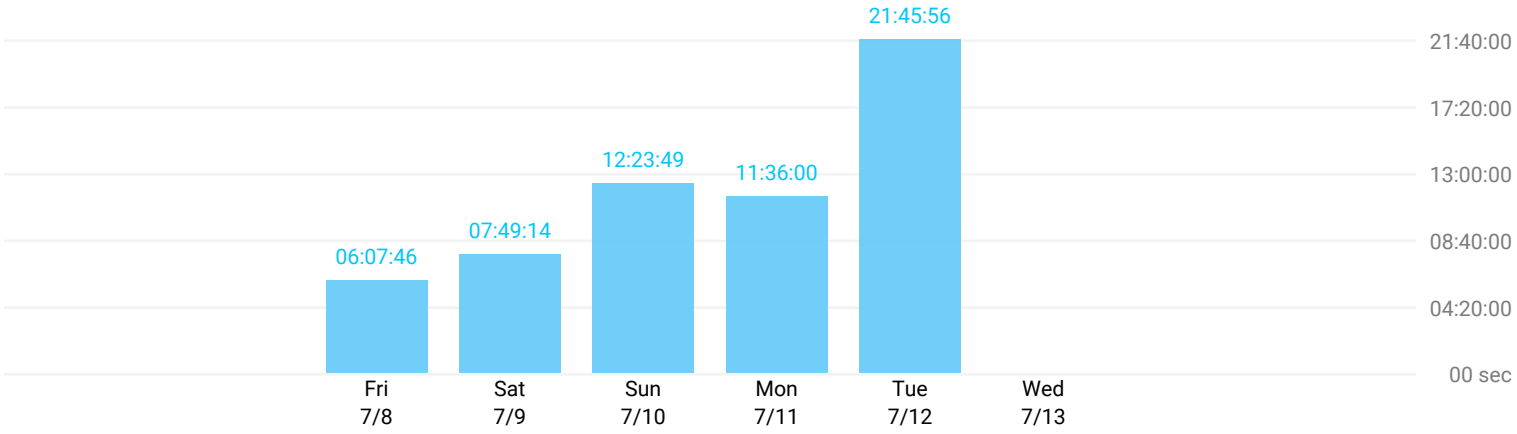
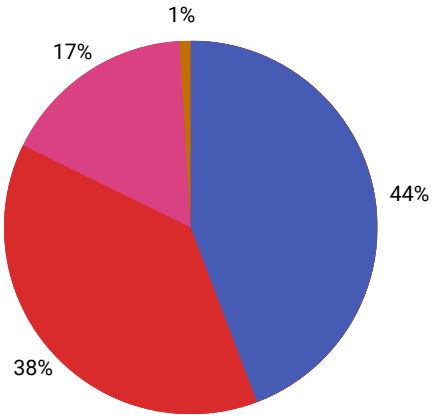
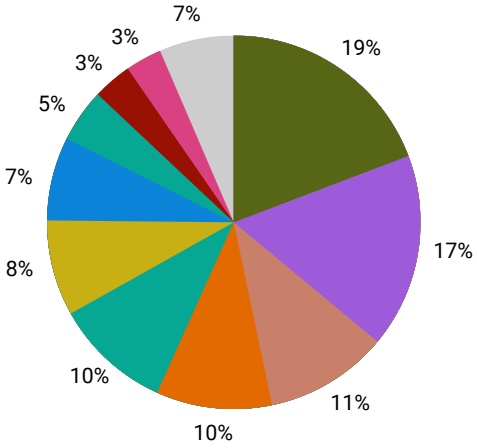




PROJECT	DURATION
Nanomi Optics • Misa Hayashida	26:26:08
Alignment Software • Misa Hayashida	22:45:02
qEELS peak detection • Misa Hayashida	10:03:47
NRC Electron Microscope tools(General) • Misa Hayashida	27:48 min



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Other time entries	03:53:37

PROJECT - TIME ENTRY	DURATION	PERCENTAGE
Alignment Software • Misa Hayashida	22:45:02	38.1%
Add particle series container for autmatic tracking GUI	02:00:00	3.35%
code review	01:20:42	2.25%
Implement optmization math	01:51:00	3.1%
Improve automatic tracking	06:00:00	10.05%
Integrate automatic tracking with GUI	01:18:56	2.2%
Investigate alignment optimization math	04:14:24	7.1%
Polish auto tracking	06:00:00	10.05%
Nanomi Optics • Misa Hayashida	26:26:08	44.27%
code review	14:18 min	0.4%
Integrate GUI controls with engine	06:25:00	10.75%
lower beam sliders	31:53 min	0.89%
Lower lenses math analysis and plan for oop	05:00:00	8.37%
nanomi on/off button	02:48:57	4.72%
Upper lense oop, integrating GUI controls for upper lenses, refactoring code, analyzing legacy code, and fixing math errors	11:26:00	19.15%
NRC Electron Microscope tools(General) • Misa Hayashida	27:48 min	0.78%
update logs	27:48 min	0.78%

PROJECT - TIME ENTRY	DURATION	PERCENTAGE
qEELS peak detection • Misa Hayashida	10:03:47	16.85%
#167 qeels peak detection	10:03:47	16.85%