ROBO CREW

SPRINT 6 REVIEW

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Sprint Goal

Our goal for Sprint 6 was initializing and configuring the general-purpose input-output (GPIO) pins of the PLC through the GXWorks3 software.

Product Backlog

Backlog Item	Estimate (hours)	Actual (hours)
Configuring PLC hardware components	12	21
GXWorks3 software	15	13.5

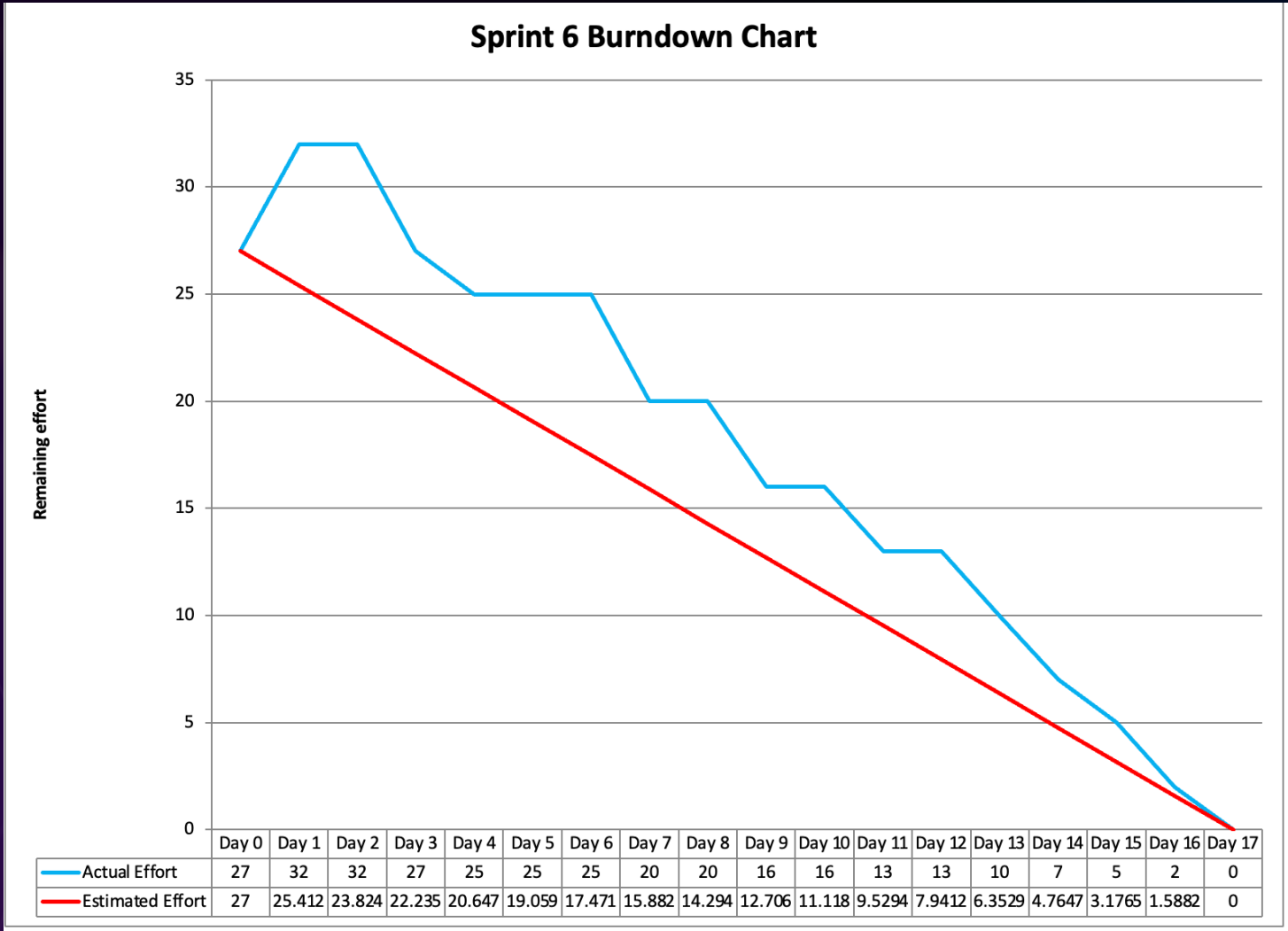
Sprint Backlog for PLC Hardware

Backlog Item	Estimate (hours)	Actual (hours)
Determining GPIO 20-pin layout	4	8
Wiring	1	1
Testing various outputs, including the FX5-8EYR/ES 8 output relay	4	5
Identifying and reading part manuals	3	7

Sprint Backlog for GXWorks3

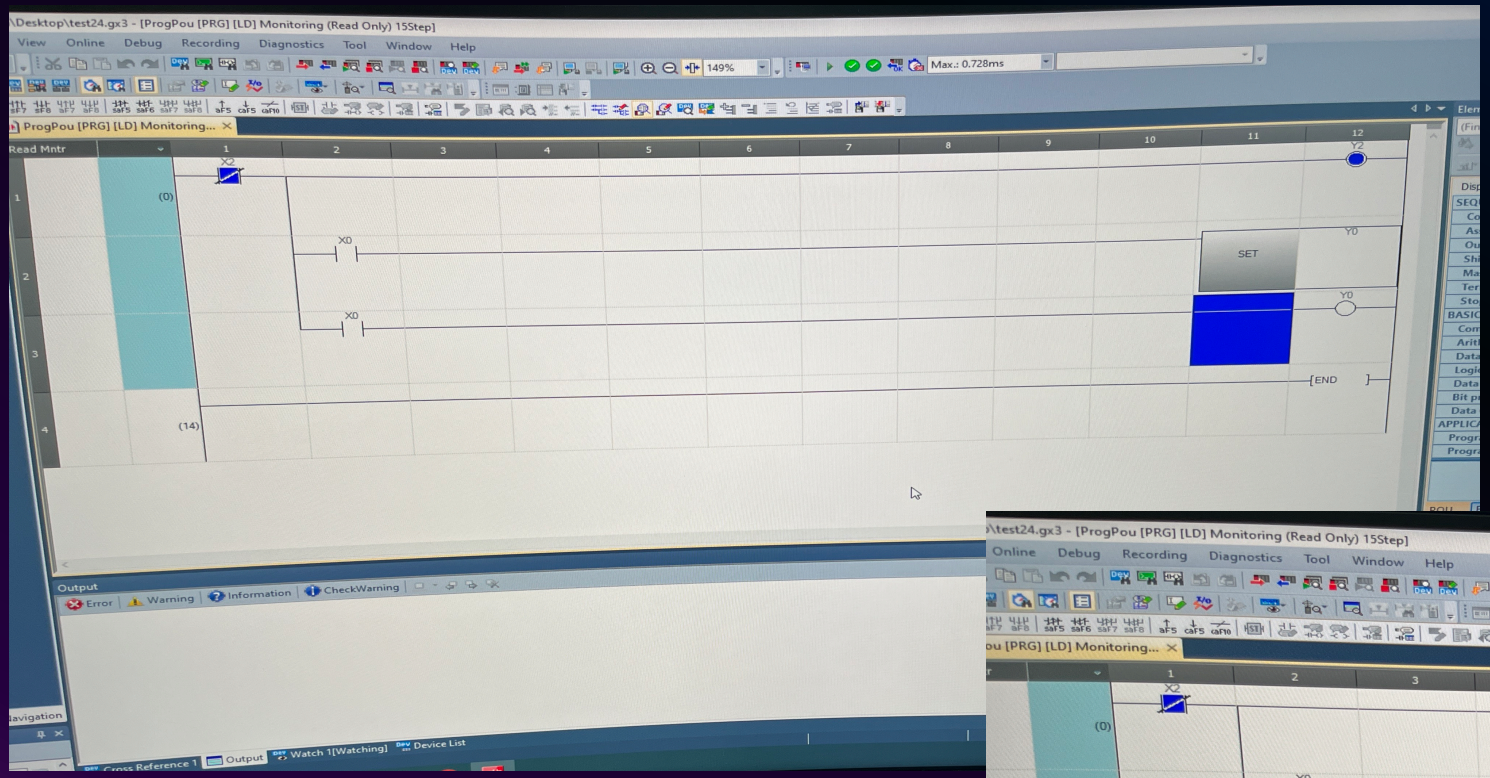
Backlog Item	Estimate (hours)	Actual (hours)
Creating a project and module configuration	2	2
Verify connection through ethernet (should be complete already)	1	0.5
Creating a sequenced ladder program with I/O	6	8
Testing relay output	3	1
Test / debug program with industrial light tower	3	2

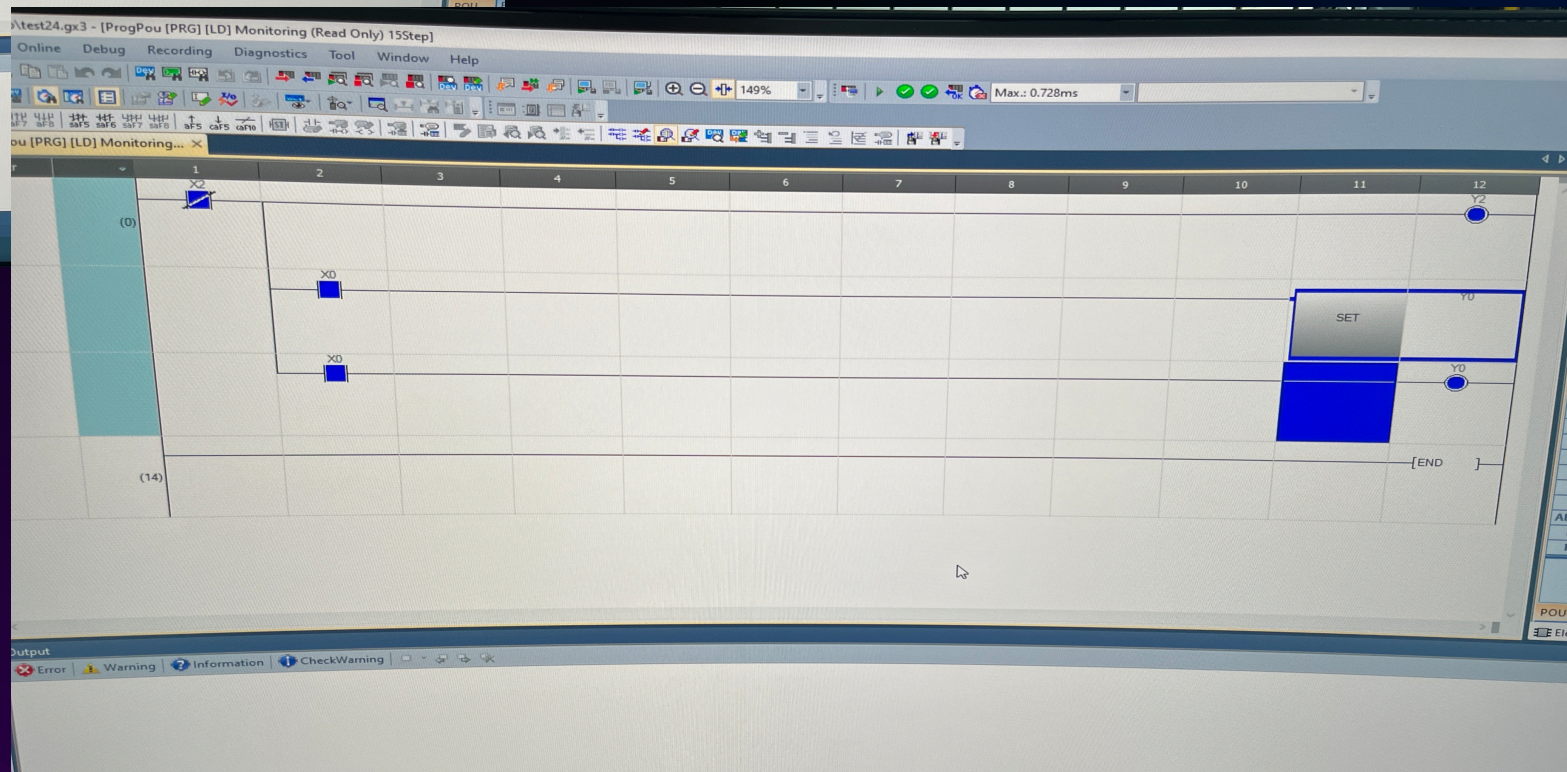
Burndown Chart



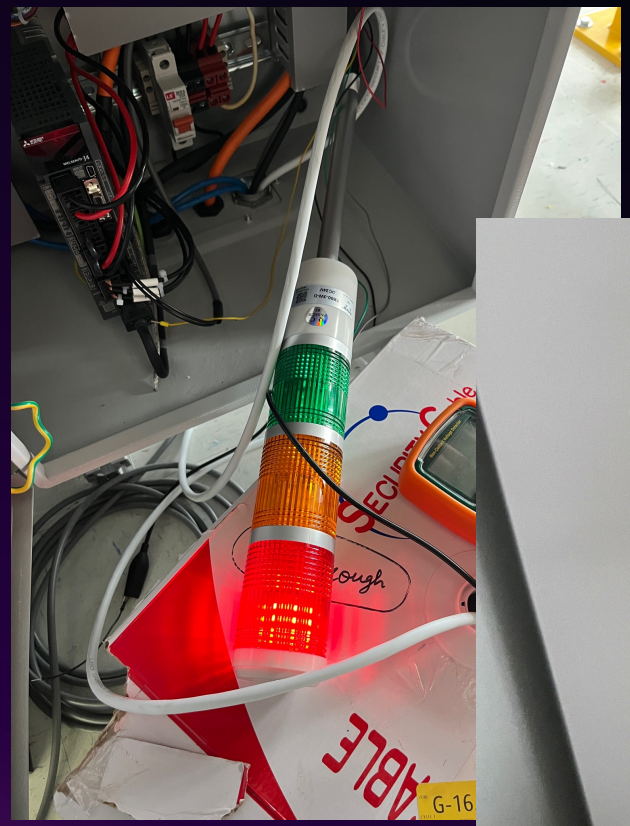
	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13	Day 14	Day 15	Day 16	Day 17
Actual Effort	27	32	32	27	25	25	25	20	20	16	16	13	13	10	7	5	2	0
Estimated Effort	27	25.412	23.824	22.235	20.647	19.059	17.471	15.882	14.294	12.706	11.118	9.5294	7.9412	6.3529	4.7647	3.1765	1.5882	0

Brief Demo


\Desktop\test24.gx3 - [ProgPou [PRG] [LD] Monitoring (Read Only) 15Step]
View Online Debug Recording Diagnostics Tool Window Help
149%
Max.: 0.728ms
ProgPou [PRG] [LD] Monitoring...
Read Mntr
X2
X0
X0
SET
Y0
Y0
Y2
[END]
(0)
(14)
Output
Error
Warning
Information
CheckWarning
Watch 1[Watching]
Device List


\test24.gx3 - [ProgPou [PRG] [LD] Monitoring (Read Only) 15Step]
Online Debug Recording Diagnostics Tool Window Help
149%
Max.: 0.728ms
ou [PRG] [LD] Monitoring...
X2
X0
X0
SET
Y0
Y0
Y2
[END]
(0)
(14)
Output
Error
Warning
Information
CheckWarning

Brief Demo



Questions?