# SPRINT 1 REVIEW

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# SPRINT GOAL

- Get familiar with project requirements and specifications
- Learn Lockout Tagout (LOTO) and Emergency stop Procedure
- Operate robot manually using the “TEACH Mode”
- Estimate length of robot arm extension
- Carry out trials on the movement of all 6 joints
- Meet with project stakeholder (Instructor) to go over project specifications

# PRODUCT BACKLOG ITEMS

| Backlog Item | Estimate (hours) | Actual (hours) |
|---|---|---|
| Project Charter | 20 | 20 |
| Robot Initial Configuration | 1 | 2 |
| Safety Procedure | 1 | 1.5 |
| Sprint Review Presentation | 1 | 2 |

# SPRINT BACKLOG FOR PROJECT CHARTER

| Backlog Item | Estimate (hours) | Actual (hours) |
|---|---|---|
| Sections 1, 2, 3 | 4 | 4 |
| Sections 4, 5, 6 | 4 | 4 |
| Sections 7, 8, 9 | 4 | 4 |
| Sections 10, 11, 12, 13 | 4 | 4 |
| Section 14 | 4 | 4 |

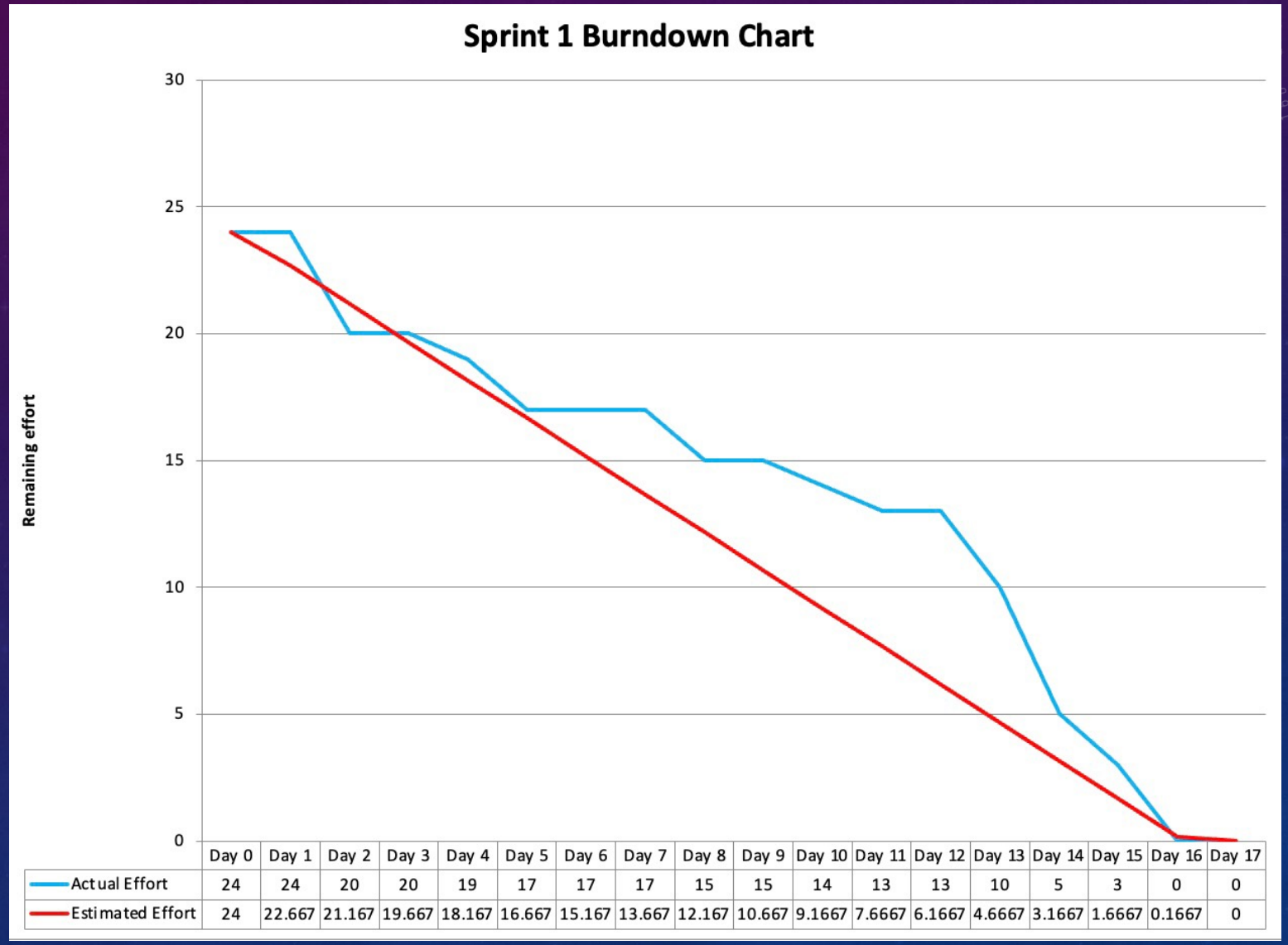
# SPRINT BACKLOG FOR ROBOT INITIAL CONFIGURATION

| Backlog Item | Estimate (hours) | Actual (hours) |
|---|---|---|
| MELSEC PLC Configuration | 0.25 | .5 |
| Controller Configuration | 0.5 | 1 |
| Host PC Configuration | 0.25 | .5 |

# SPRINT BACKLOG FOR SAFETY PROCEDURE

| Backlog Item | Estimate (hours) | Actual (hours) |
|---|---|---|
| E-stop | .5 | .5 |
| Lockout Tagout (LOTO) Procedure | .5 | 1 |

# SPRINT BURN DOWN CHART

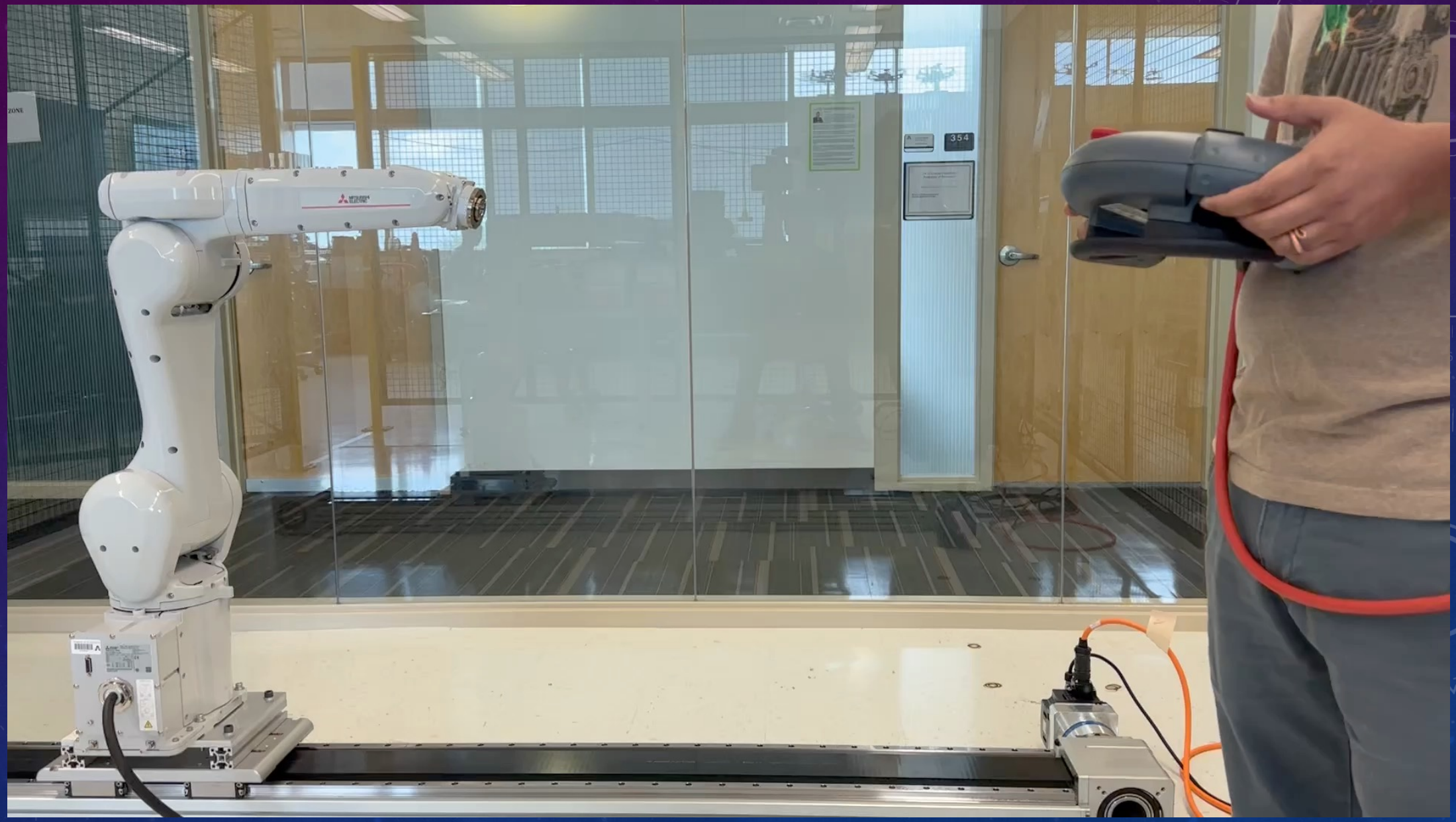



| | Day 0 | Day 1 | Day 2 | Day 3 | Day 4 | Day 5 | Day 6 | Day 7 | Day 8 | Day 9 | Day 10 | Day 11 | Day 12 | Day 13 | Day 14 | Day 15 | Day 16 | Day 17 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Actual Effort | 24 | 24 | 20 | 20 | 19 | 17 | 17 | 17 | 15 | 15 | 14 | 13 | 13 | 10 | 5 | 3 | 0 | 0 |
| Estimated Effort | 24 | 22.667 | 21.167 | 19.667 | 18.167 | 16.667 | 15.167 | 13.667 | 12.167 | 10.667 | 9.1667 | 7.6667 | 6.1667 | 4.6667 | 3.1667 | 1.6667 | 0.1667 | 0 |

# DEMO

POWER
TB ENABLE
HAND
JOG
STOP
SERVO
RESET
CAUTION
HOME
OVRD
Version
1 : RV-8CRL-D
Joint
TOOL0
BASE*
R56TB
Controller software version and date:
Ver.C2 21
Servo software version:
Ver.A6
Teaching box software version and date:
Version 4.2
Robot type:
RV-8CRL-D
Controller name:
CR8xx-D
Language:
ENG
Program language:
MELFA-BAS
Robot controller serial number:
B11090311
Robot arm serial number:
BR1090079
User messages(USERMSG):
No Messag
COPYRIGHT(C)2017-2021 MITSUBISHI ELECTRIC CORPORA
Joint
J1: -81.31
J2: 20.23
J3: 95.63
J4: 20.14
J5: 33.22
J6: 11.72
Close
30%
12:26:43
KEY
MENU
EXE
MENU
OK
CANCEL
MITSUBISHI

# DEMO



# QUESTIONS?