



ROBO CREW

SPRINT 4 PLAN

AKSHAY PALURI

AMEEN MAHOUC

HYUN HO KIM

MUHAMMAD ANAS

KUNDAN SINGH MAHATO

SPRINT GOAL

Our goal for Sprint 4 will be stabilizing our system and researching for future items

PRODUCT BACKLOG ITEMS

| Backlog Item | Estimate (hours) |
|------------------------------|------------------|
| Stabilizing our system | 8 |
| Researching for future items | 7 |

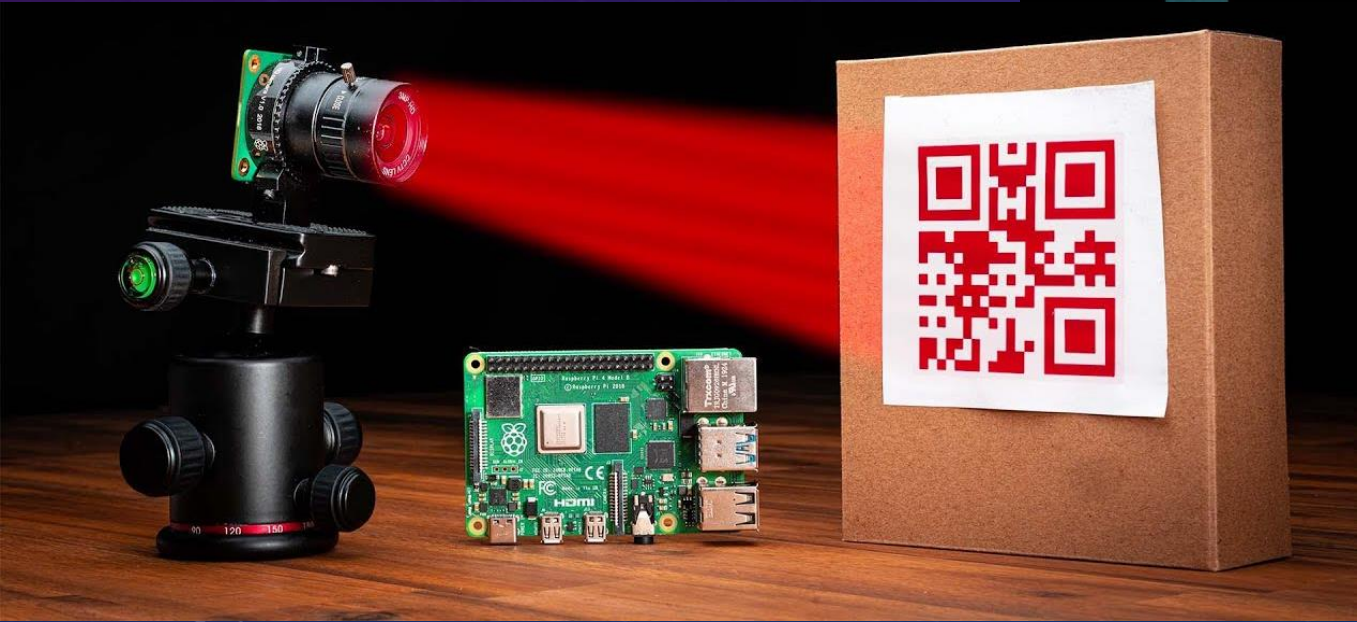
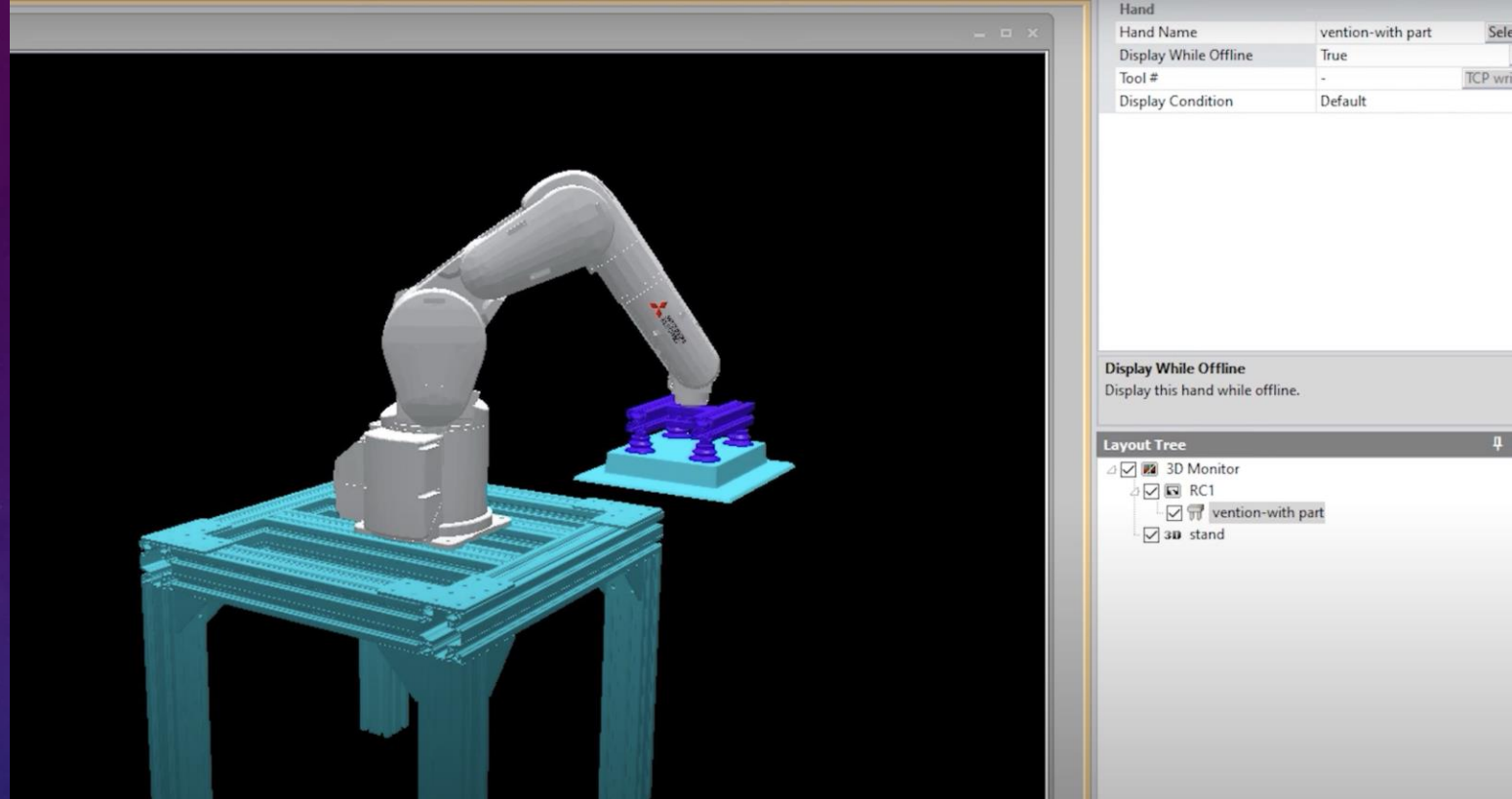
SPRINT BACKLOG FOR STABILIZE THE SYSTEM

| Backlog Item | Estimate (hours) |
|---|------------------|
| Fixing errors caused by the linear rail | 4 |
| Adding constraints to the linear rail | 2 |
| Taping wires connected to the jumper bar connector, CNUSR11 | 2 |

SPRINT BACKLOG FOR FUTURE RESEARCH

| Backlog Item | Estimate (hours) |
|-------------------------|------------------|
| Simulating moving boxes | 5 |
| Gripper | 1 |
| QR code and QR scanner | 1 |

PROTOTYPE & INITIAL CONCEPT



<https://www.youtube.com/watch?v=5mgeBWqHPcE>

<https://www.youtube.com/watch?app=desktop&v=Qf55aUgfLfQ>

SPRINT RISKS

Risk 1: Finals season is upon us, will be difficult to coordinate availability and allocate our time efficiently.

- Mitigated by proper communication among team members.

Risk 2: Lack of resources online to reference, limited only to manufacturer's manuals.

- Contact the manufacturer for any doubts and support. Locate previous team projects for reference.

Risk 3: Buildup of errors. Troubleshooting document contains 86+ pages of error codes.

- Mitigated with proper wiring, utilizing good engineering principles (AKA just doing it right)

QUESTIONS?

