

Problem Definition

Autism spectrum disorder (ASD) is a disease which affects a person's brain development on how they perceive others and the way they socialize. Thus, people with ASD have communication problems.

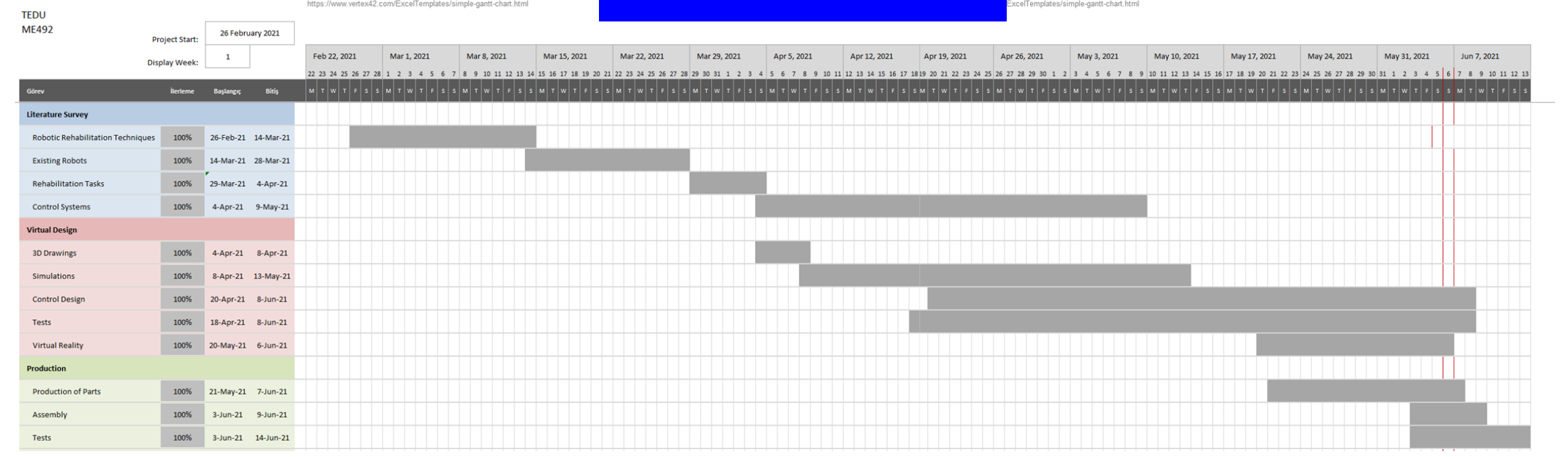
Programs Used



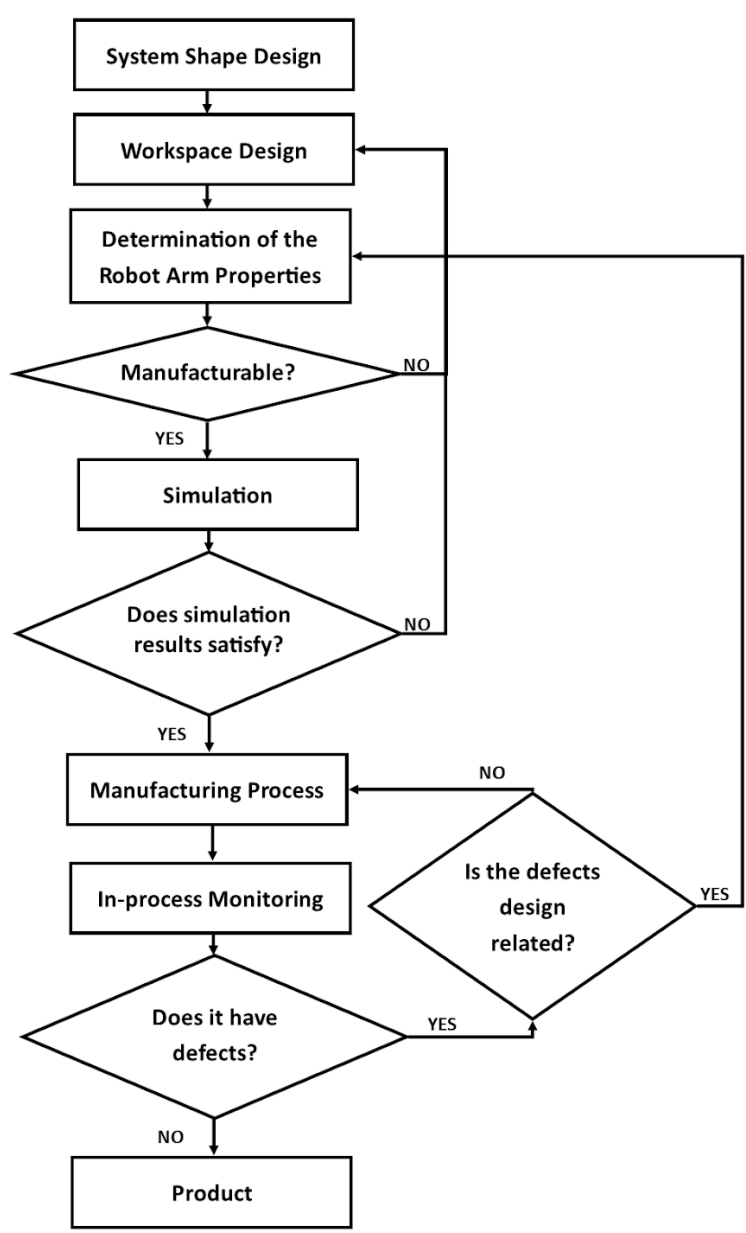
Purpose of the Project

Designing a robotic system to increase the socialization skills of children with ASD by assigning collaborative tasks with virtual and haptic feedbacks is aimed.

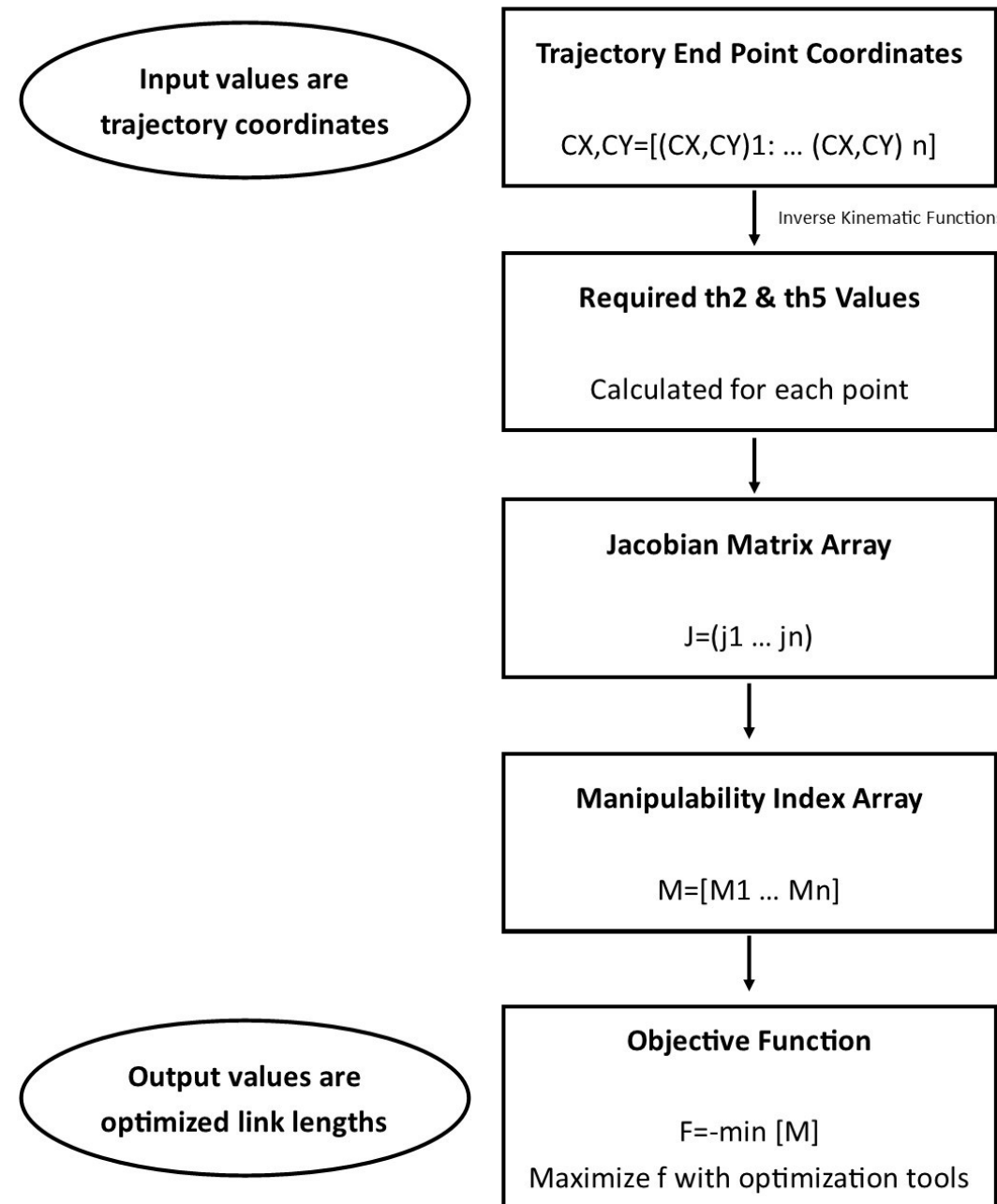
Production Timeline



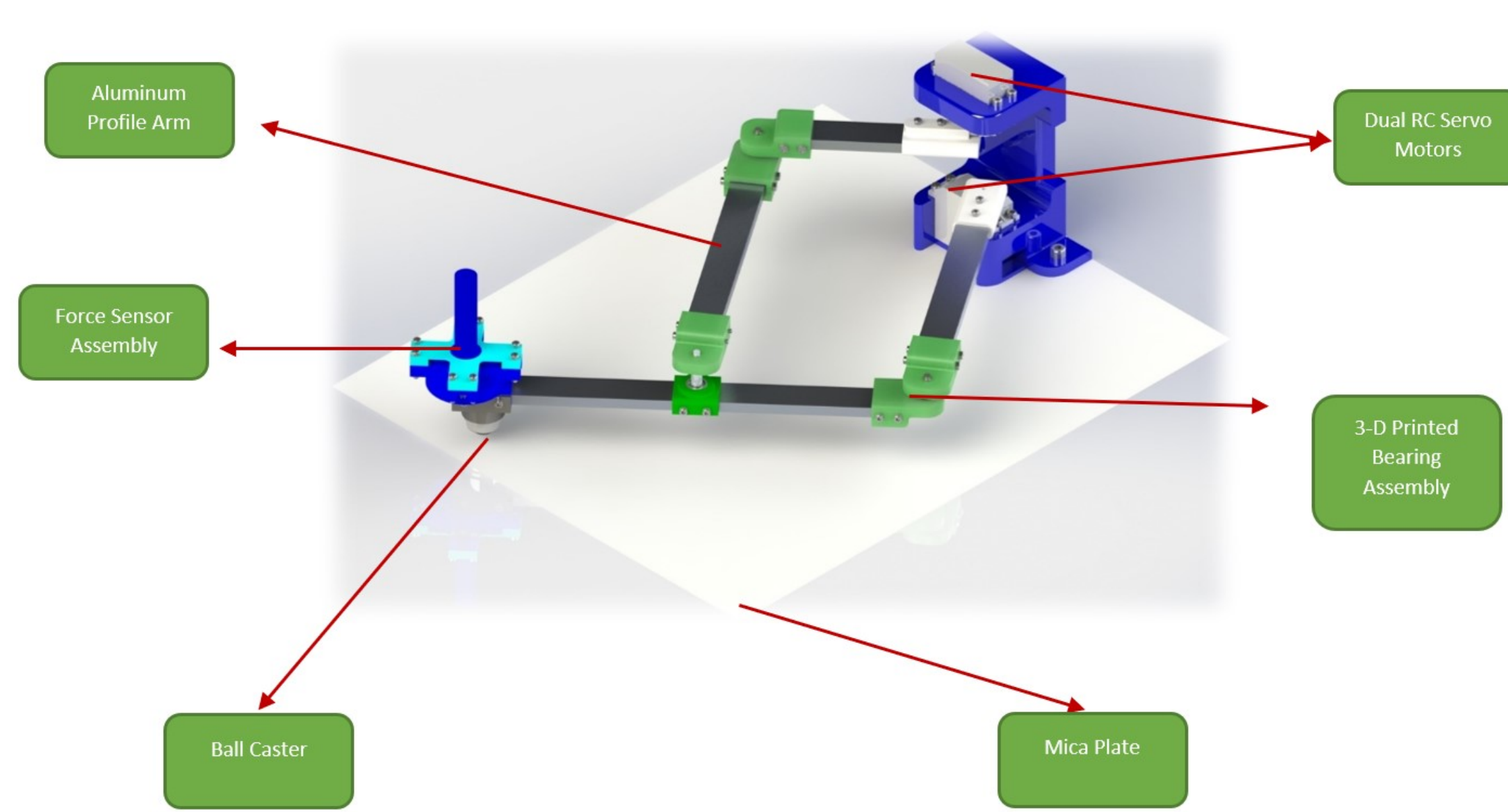
Production Planning



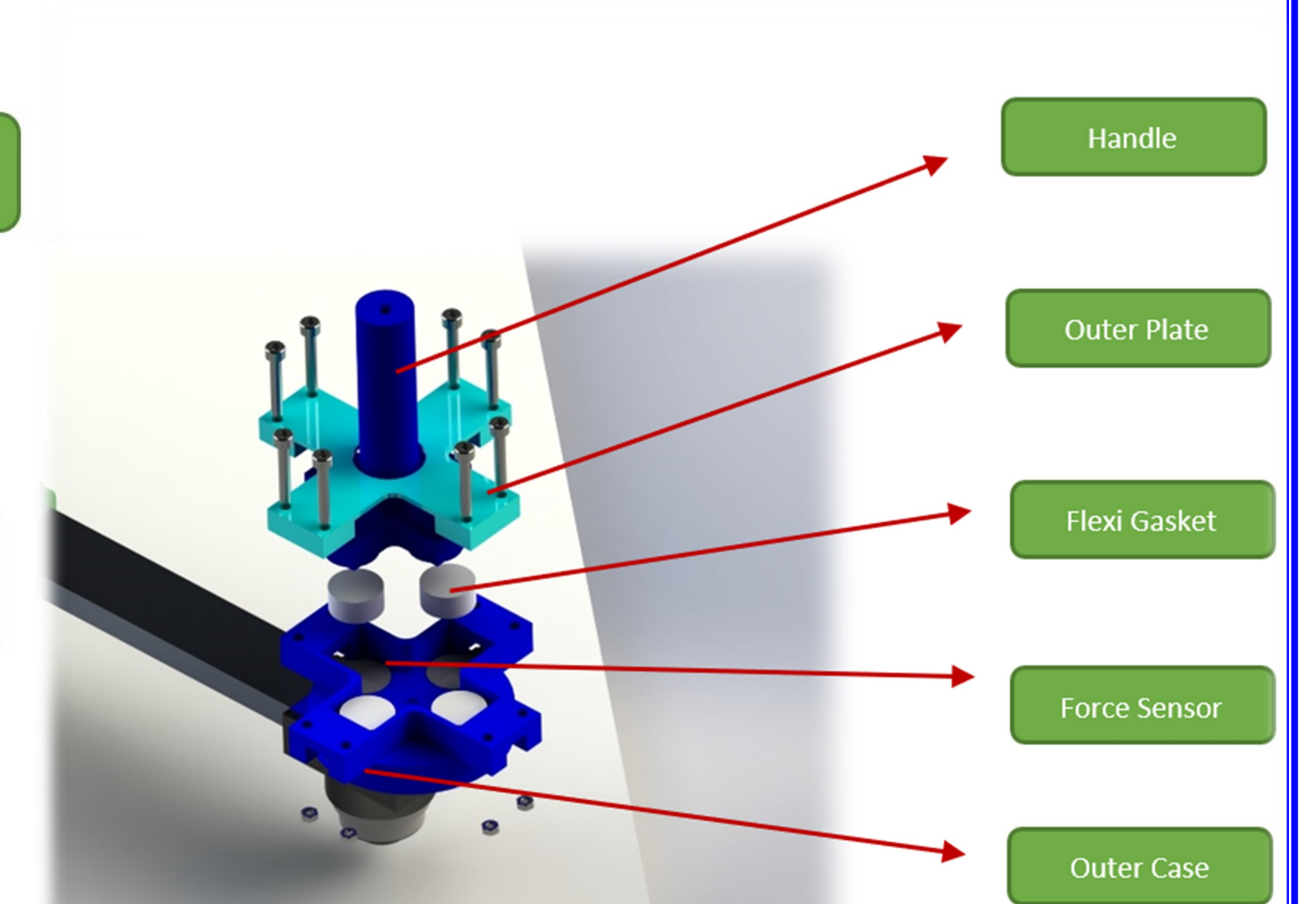
Optimization Process



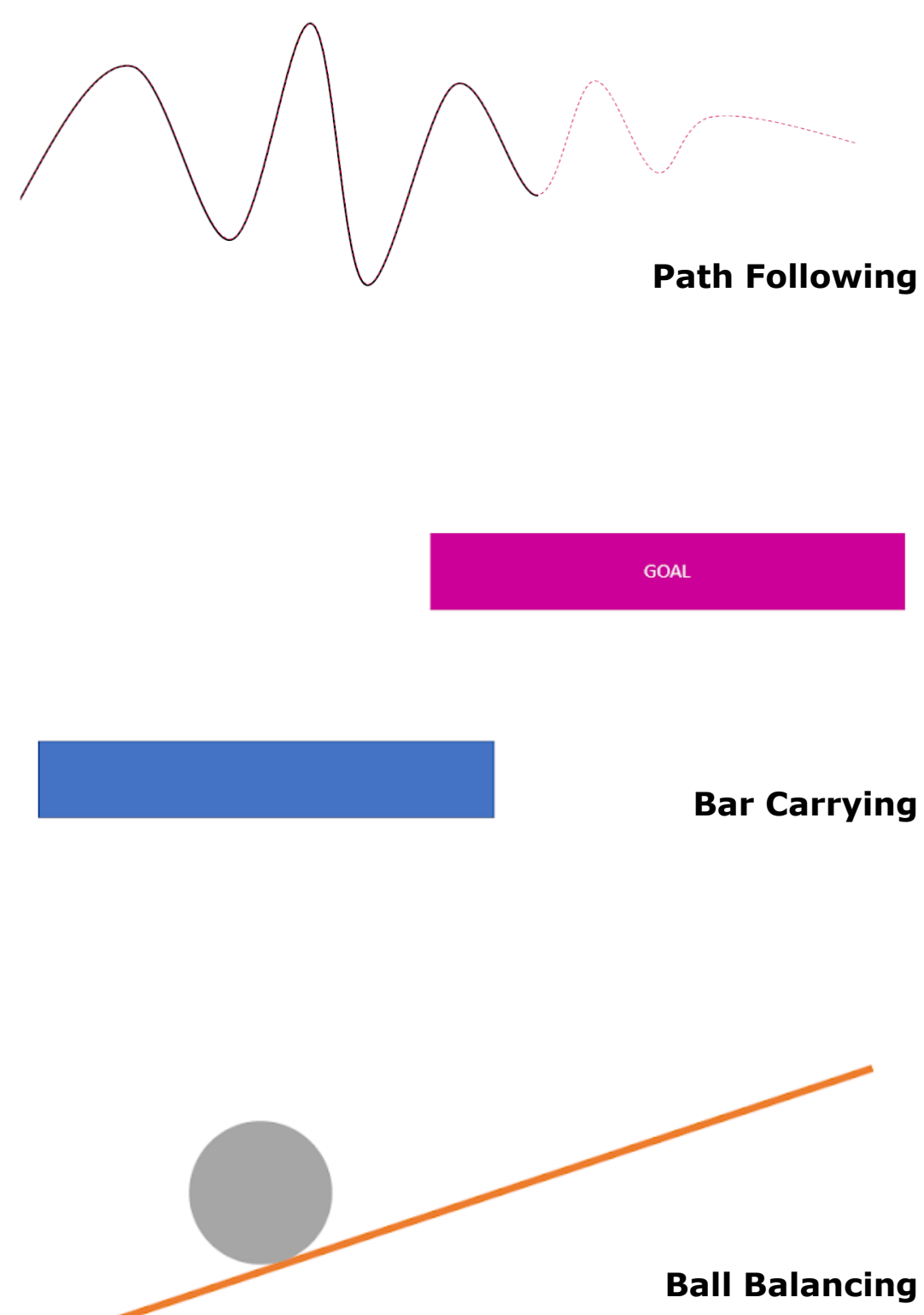
Drawing & Assembling Parts



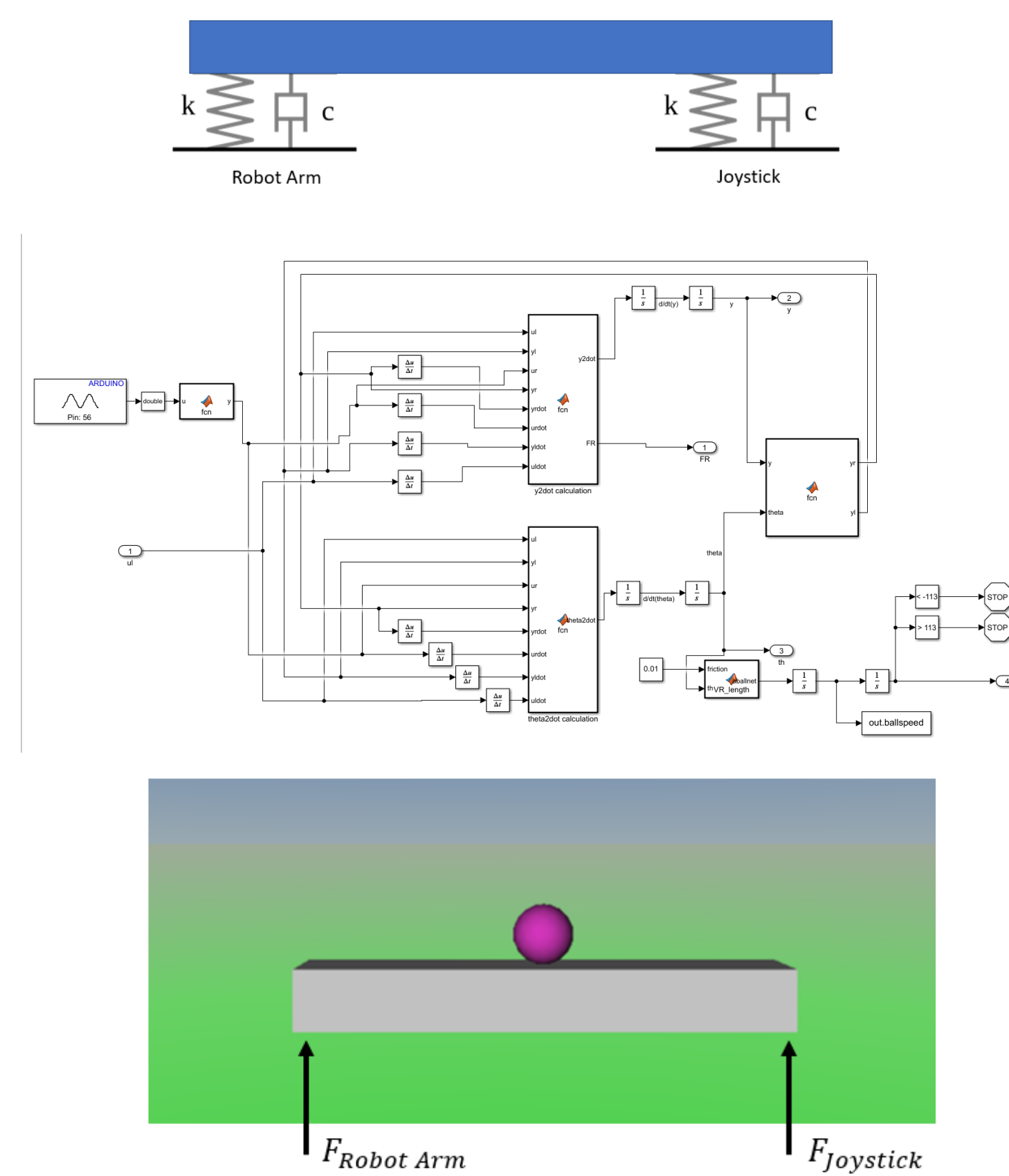
Force Sensor Design



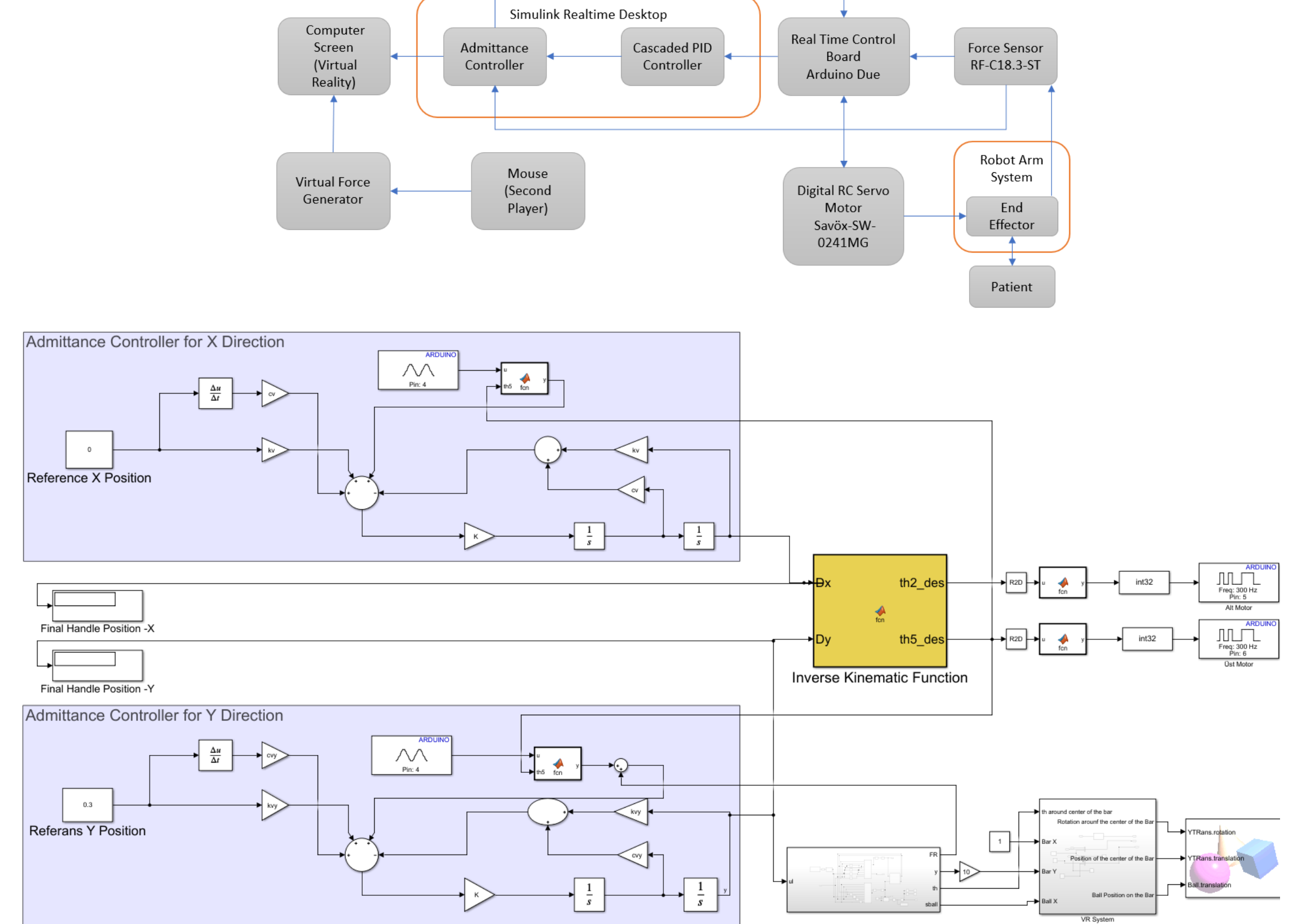
Task Selection



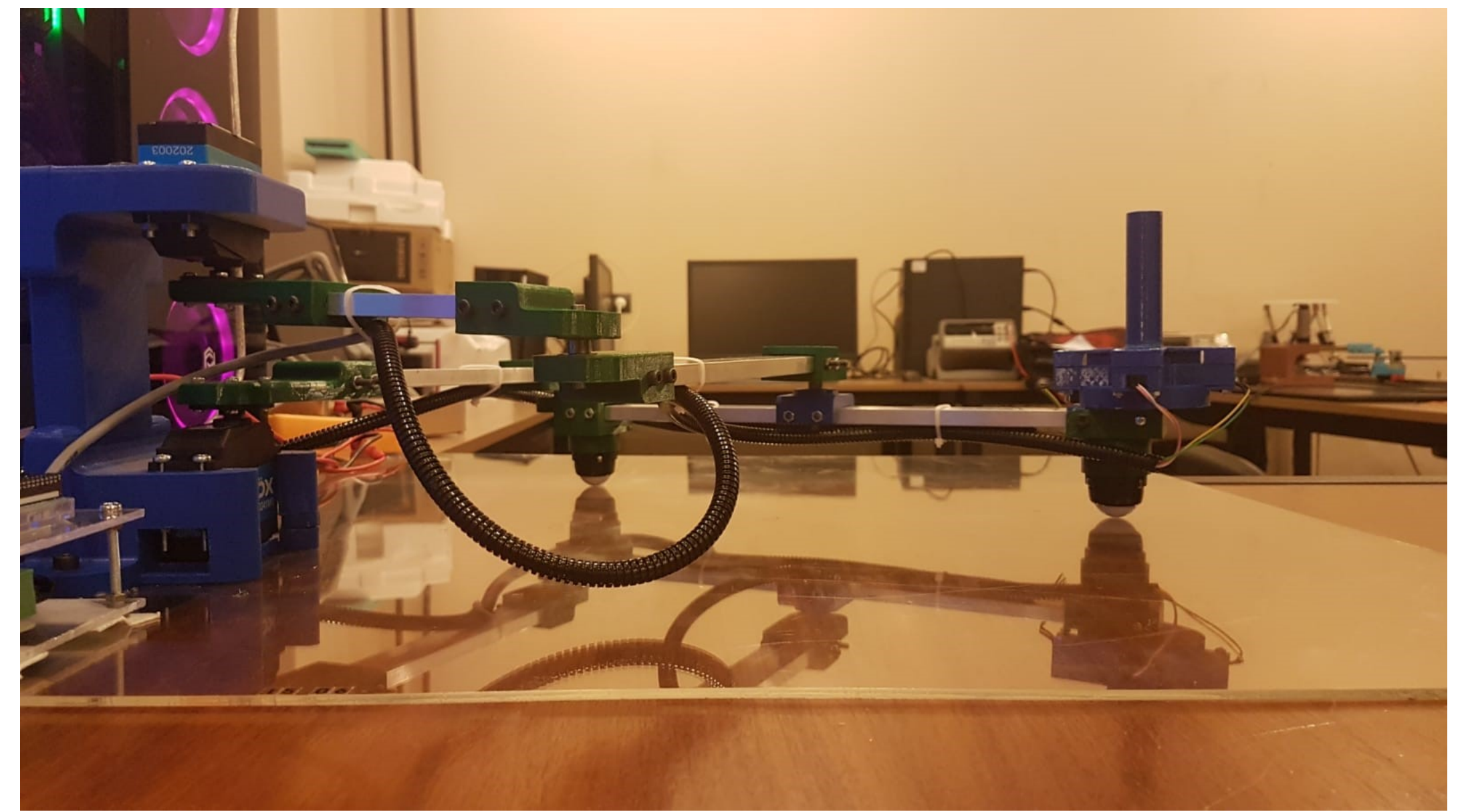
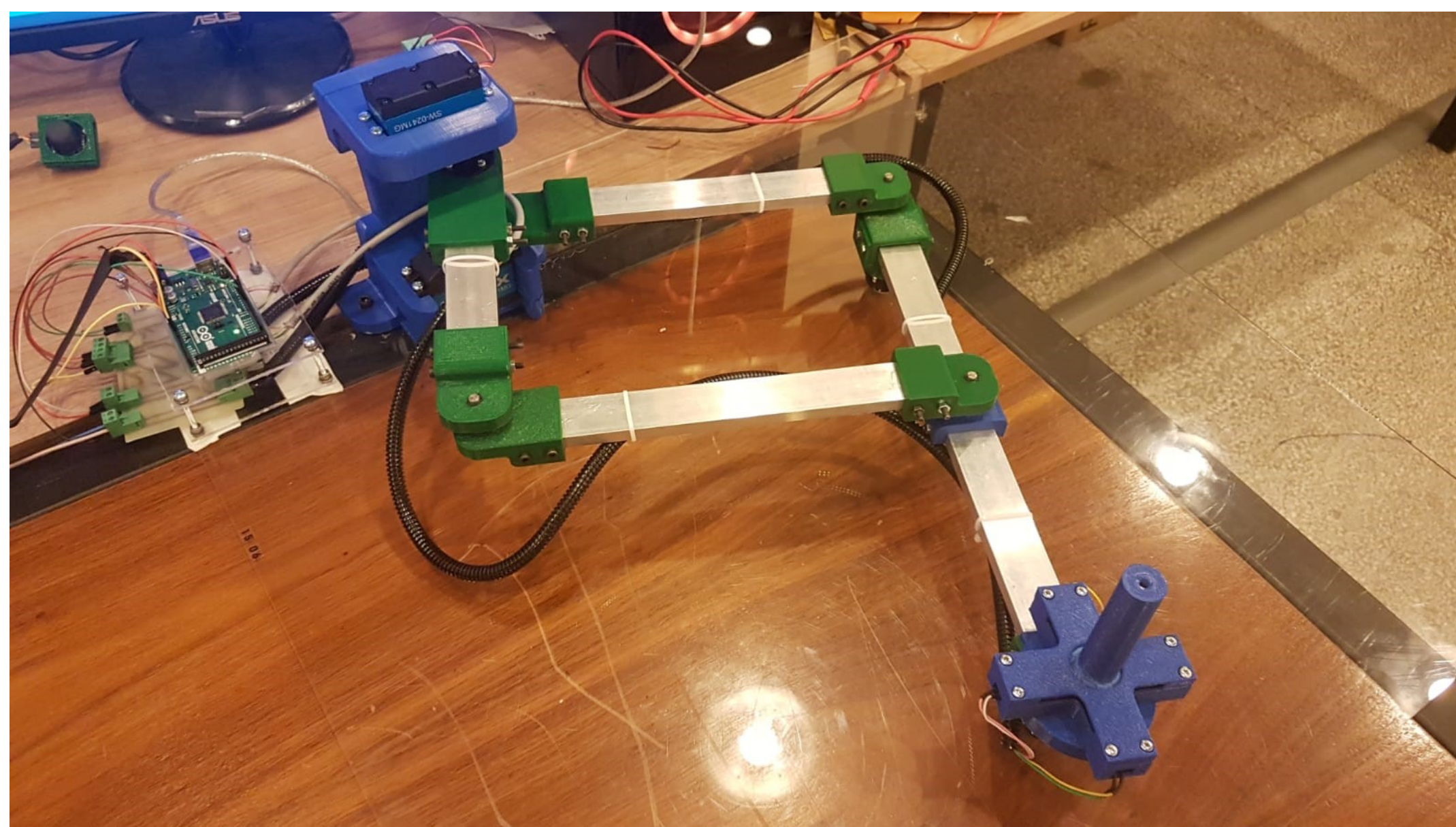
VR Design



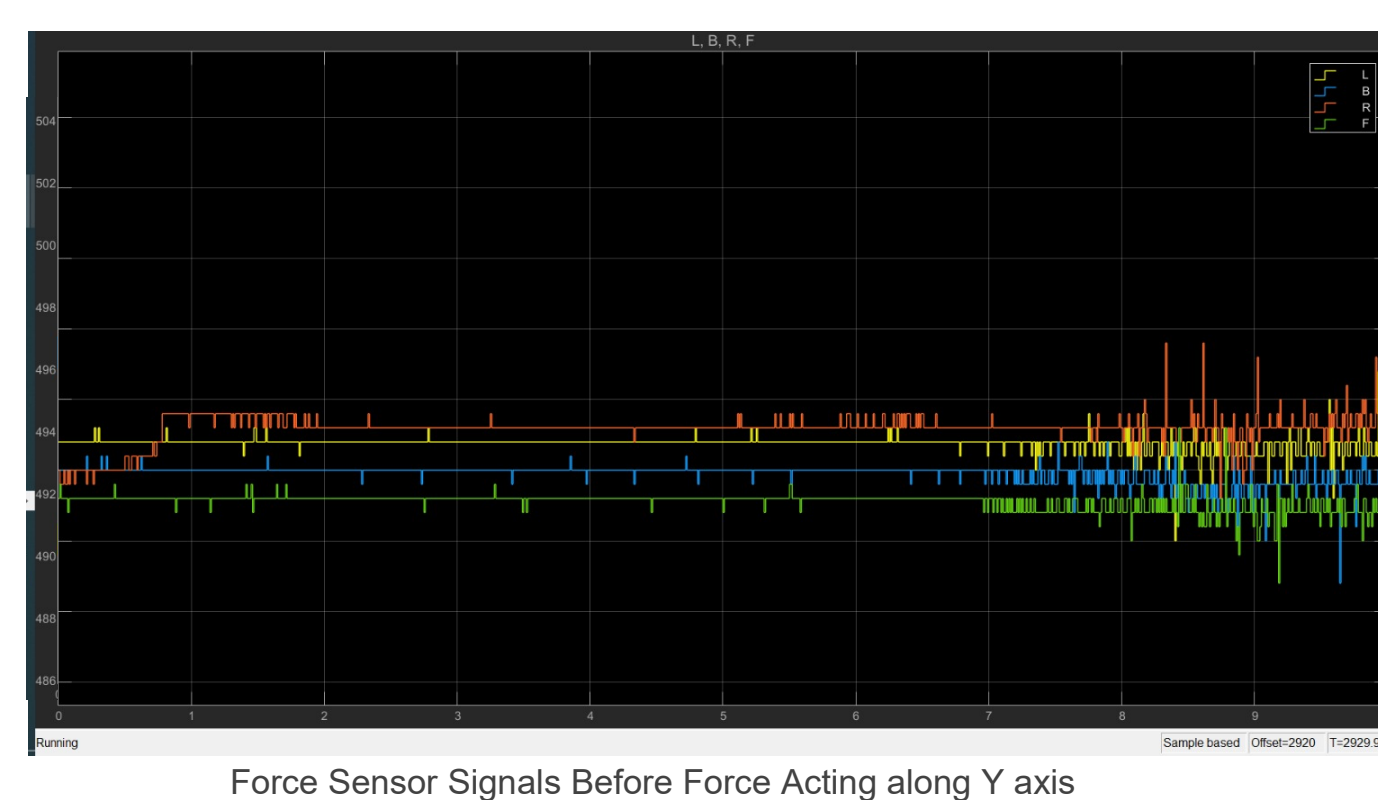
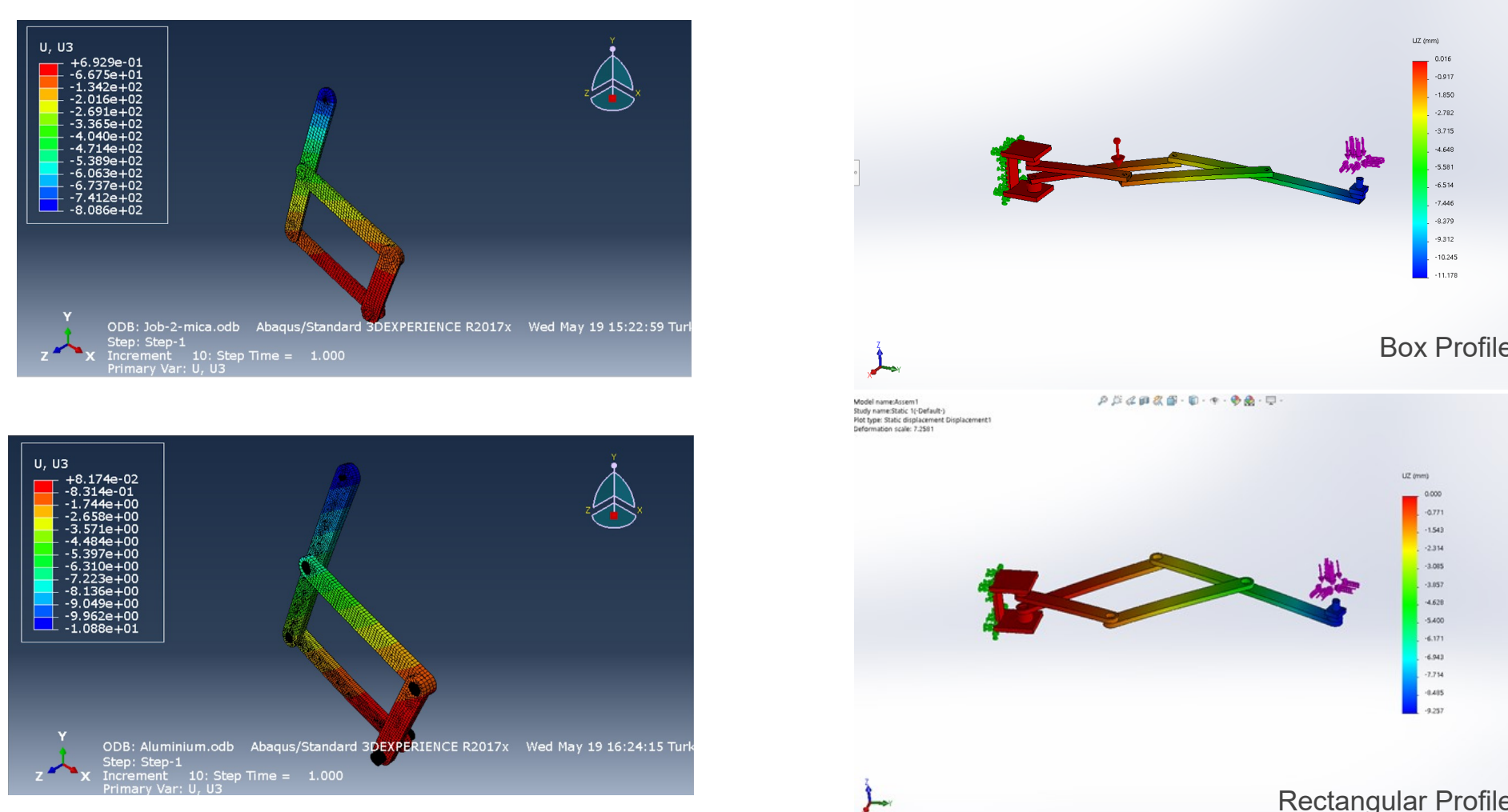
Electronic System Design



Final Product



Test Results



References

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