

Robotic Gripper Design: Basic Concept and Evaluation.

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Notes: 12 hours per week, 24 hours per iteration

1. Introduction

Review about 3rd Iteration and midPoint presentation

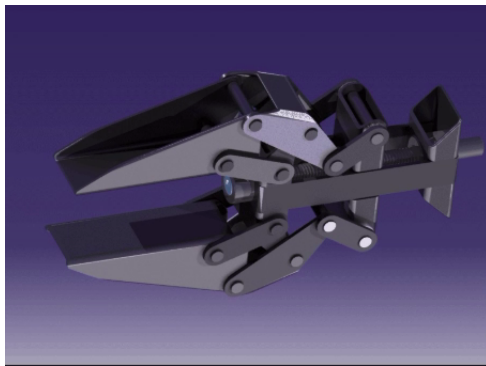


Fig. 1. The Gripper

1.1. Iteration 3 description

MVP not done yet, by MVP I think the printed 3D model, but already done first step in CAD modeling.

1.2. What have I done during the second iteration (task, hours spent, status, results)

- Kinematics with Graphs and Animations - 3 hours

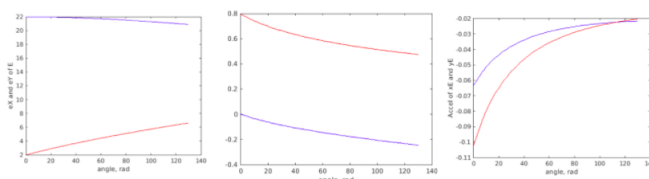


Fig. 2. The Kinematics

- Dynamics review and starting to change it, because of some mistakes.(Founded by a review) - 2 hours
- Some more concepts about Fusion360 - 5 hours
- Meeting with supervisor - 0.5 hour
- Created every part of mechanism and assembled

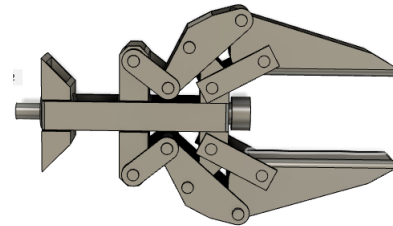


Fig. 3. The Gripper CAD model in Fusion

1.3. Current issues: What you did not do like planning, or task still in progress (the reasoning why that happened and what you can improve during the next iteration to prevent that)

- Planned to finish Dynamics, but not achieved it yet, because found mistakes near the deadline for that paper
- Not finished CAD part and CAE part
- No 3d printing yet

1.4. What are you planning to do for the next iteration: extend your initial project proposal plan with more information related to the second iteration, add hours to the planning activities alter (if needed) your initial project proposal plan. If you modify the initial plan, then explain the reasons for altering ITERATION-3.

- Optimizations in CAD - 5 hours
- Making model in 3D printer - 8 hours
- How to connect to the engine - 2-3 hours
- Learn to drive the engine - 5 hours
- Verification, movement work - 3 hours;
- Find brick - 0.5 hour
- Meeting with supervisor - 0.5 hour
- Finish what is not finished yet

2. References

- Link to [GitHub](#) repository
- Link to [Trello](#)