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# WEEKLY REPORT

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February 17, 2019

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## **0.1 HIGHLIGHTS OF THE WEEK**

1. Kept on working with the model, that would introduce the stiffness matrix from ABB in AGX Dynamics.
2. Read and learned about orientation representation and modelling of constraint.
3. Finalized a model that is to be presented to the supervisors. The model is explained in section 0.4 but there is still some flaws regarding understanding of the angles representing orientation.

## **0.2 PROJECT SPECIFIC UPDATES**

1. Project plan: None.
2. Modelling: Updated the modelling part which is presented in section 0.4.
3. Other: None.

## **0.3 SMART GOALS**

1. Will update theory part of pilot study for final report based on new model 18/2.
2. Will present proposal of modelling for supervisor 18/2.
3. Will write an algorithm for prototype implementation 19-22/2.
4. Will update pilot study for final report with algorithm of implementation 22/2.

## **0.4 DOCUMENTS**

*Papers you are working on, target conf/journal and date, etc. Constraint modelling*

## **0.5 THINGS I NEED HELP WITH AND MY PLAN TO RESOLVE**

1. I need feedback on my project

2. I'm not sure how to start writing a paper.
3. I have an idea but I'm stuck
4. Can I park at Rellis?

## REFERENCES