

# Team Meeting (e-YSIP)

11 MAY 2020 / 3:00 PM /Google Meets/#17

## Attendees

Shreya Rastogi, Jai Garg, Chinmay Palaye, Avijit Pandey

## Agenda

### Last Meeting Follow-up

1. Read Papers about the project.
2. Learn about simulations in V-Rep.

### New Business

3. Discussion about the location of the reaction wheel on the cycle robot
4. Designing and simulation of a reaction wheel attached by a rod to a pivot point

## Notes

- Figure out the position of reaction wheel by using the see-saw example given by Avijit Sir
- Design Small parts in Fusion 360 and then assemble them on V-rep.
- Initially, only the Reaction wheel inverted pendulum has to be simulated.

## Action Items

1. Write a Report on how to find Moment Of inertia of Fusion 360 (Jai Garg).
2. Simulate a Standalone Reaction wheel inverted pendulum on V-rep using LQR
3. Prepare a document containing the mathematical modeling of Standalone Reaction wheel inverted pendulum
4. Write Simulation Script for V-rep.

## Next Meeting Agenda

1. To show a proper simulation of a Reaction wheel inverted pendulum on V-rep.
2. Report the findings of where to put the wheel, away from CG, or close to CG.