



CAD Design of Theo Jansen Mechanism

In case of any doubts in this assignment, contact Aditya Goyal (8728070756) or Anmol Gupta (8445142083)

- Study about the Jansen mechanism. You can use google for this purpose. There is a link at the end to get you started.
- Download the CAD model demonstrating the Jansen mechanism from the following link:
[Theo Jansen CAD](#)
The CAD will be downloaded as a STEP file.
- Open the design in Autodesk Inventor (you might need google for this step).
Try playing around with the assembly. You might notice that the parts are not connected to each other at all.
- Your job is to create a new assembly file, importing all the parts while simultaneously applying the correct joints and constraints to the linkages in order to create a model which can actually move the way a Jansen device is supposed to.
- Upload all the files, including the originally downloaded assembly and the final assembly to a drive a folder and fill out the following form:

<https://forms.gle/2eFzRfex63qN8eyc9>

REFERENCES:

- [Jansen Mechanism \(Video\)](#)
- [Using the Joint command](#)