

To: Dr.Oman
From: Team7(BiOM text fixture)
Hardware 1
06/22/2018

Hardware review 1

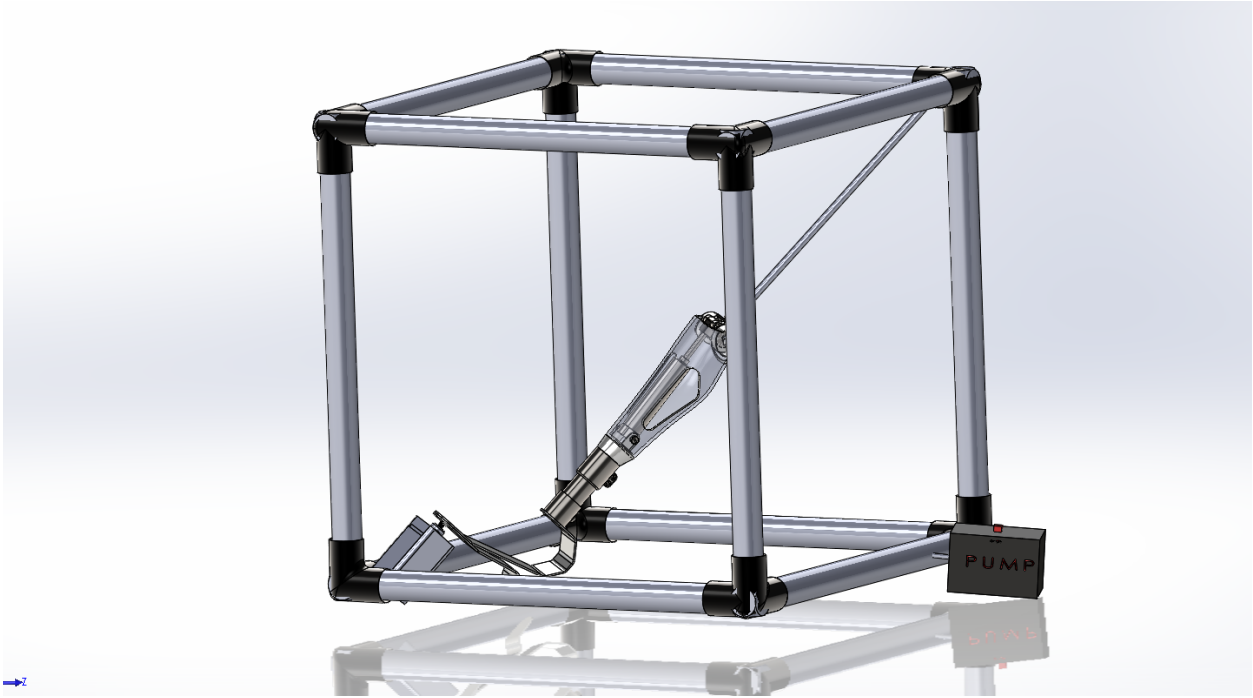
For our hardware review we sat with Dr.Oman and Mrs.Amy to discuss our progress so far on the BiOM Test Fixture.

A CAD design was proposed and from which our discussion happened.

A few things were to be adjusted. Starting from the frame of the BiOM we first proposed the idea of welding our joints together. However, we were made aware of the complication and issues that may arise from such thing so we decided to fit our steel pipes into fits to helps them together. For a more stable structure we are considering adding screws through our pipes and fittings to ensure that they are secured inside the fittings.

A more precise and detailed CAD package was required where all parts should be included such as the pump, wires and including the actual BiOM to make it clearer for the viewer.

We were also advised to assign specific tasks for each member for the individual analysis where the group has divided each person with a task. Marzouq will be fixing our CAD package. Husain and saood will be addressing the types of data the test fixture can collect such as displacement and forces being provided, and nasser and saood will conducting research for material and cost for each part will be used.



Biom Text Fixture