**The Description of Latex tubing holder**

When exercising with our robot, we found that when our robot was completely unfolded, the latex tubing bundled on the robot was falling, causing robot unable to operate normally. By using the latex tubing holder, the latex tubing will not fall off no matter what the state of the robot is. In this way, we can increase our chance to success.

We design our own latex tubing holder by using Autodesk Inventor 2015. During the design period, we designed the latex tubing holder into the shape of steering wheel in order to reduce the activity space of the latex tubing. Besides, using the shape of the steering wheel rather than the solid disk is to reduce the weight as much as possible. We make a hole through the center of the steering wheel to allow screw go through.

The design will make it easier for us to connect the latex tubing holder with the frame directly with SCREW-832-0375 and NUT-832-KEPS.

Through designing our own latex tubing holder, we acquire the ability of three-dimensional observation. Therefore, we stick to using 3D design software in the future because of its powerful. We find out 3D design software could design accelerator, stress analysis, motion simulation and so on.

Each of us believe it could be very useful in our future works. Thanks to its multifunctional, we could make our own robot parts to let our robot more functional. We also sure it may allow us save more time to finding incredible ideas in our future career.