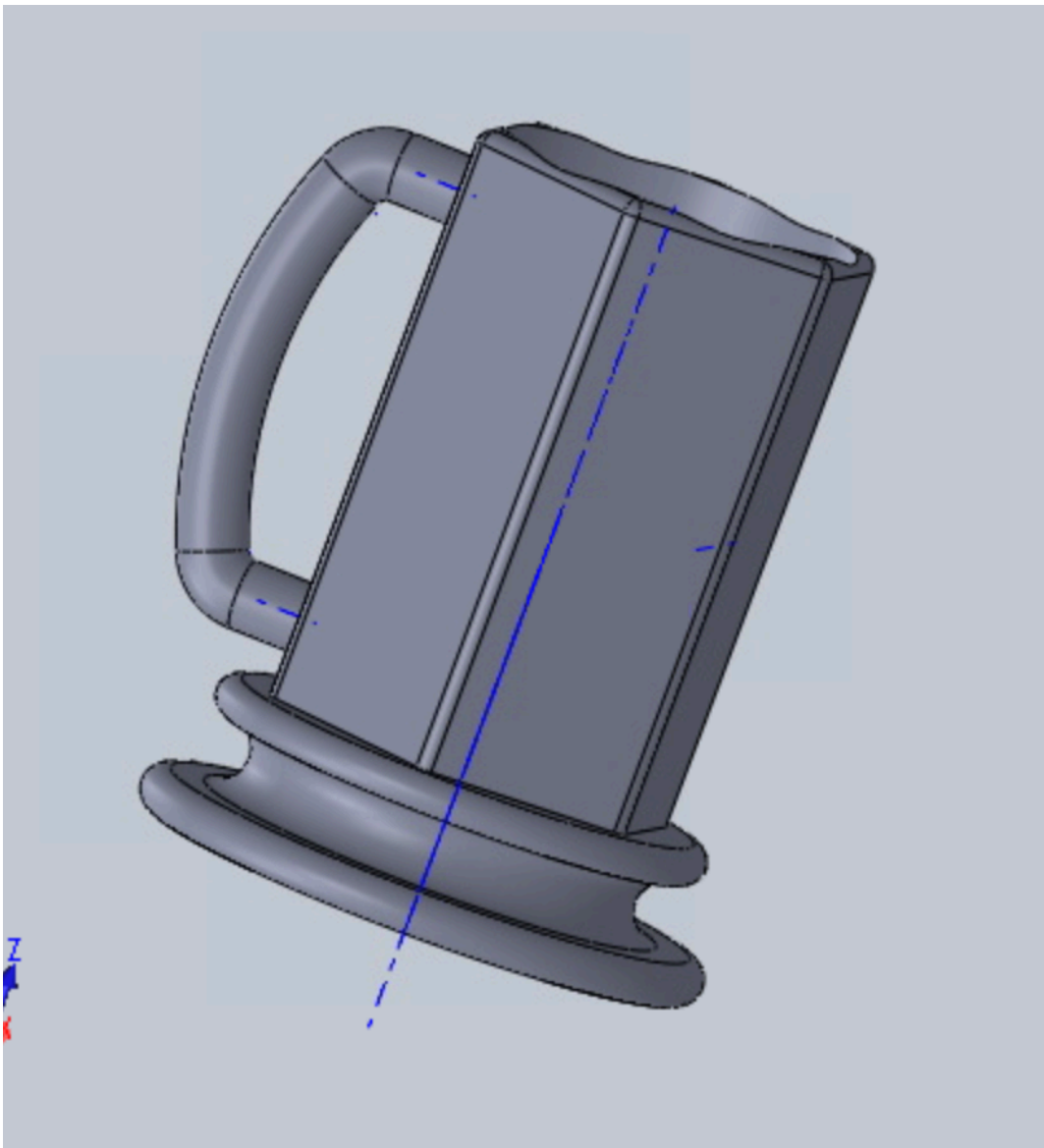


# CAD Lab

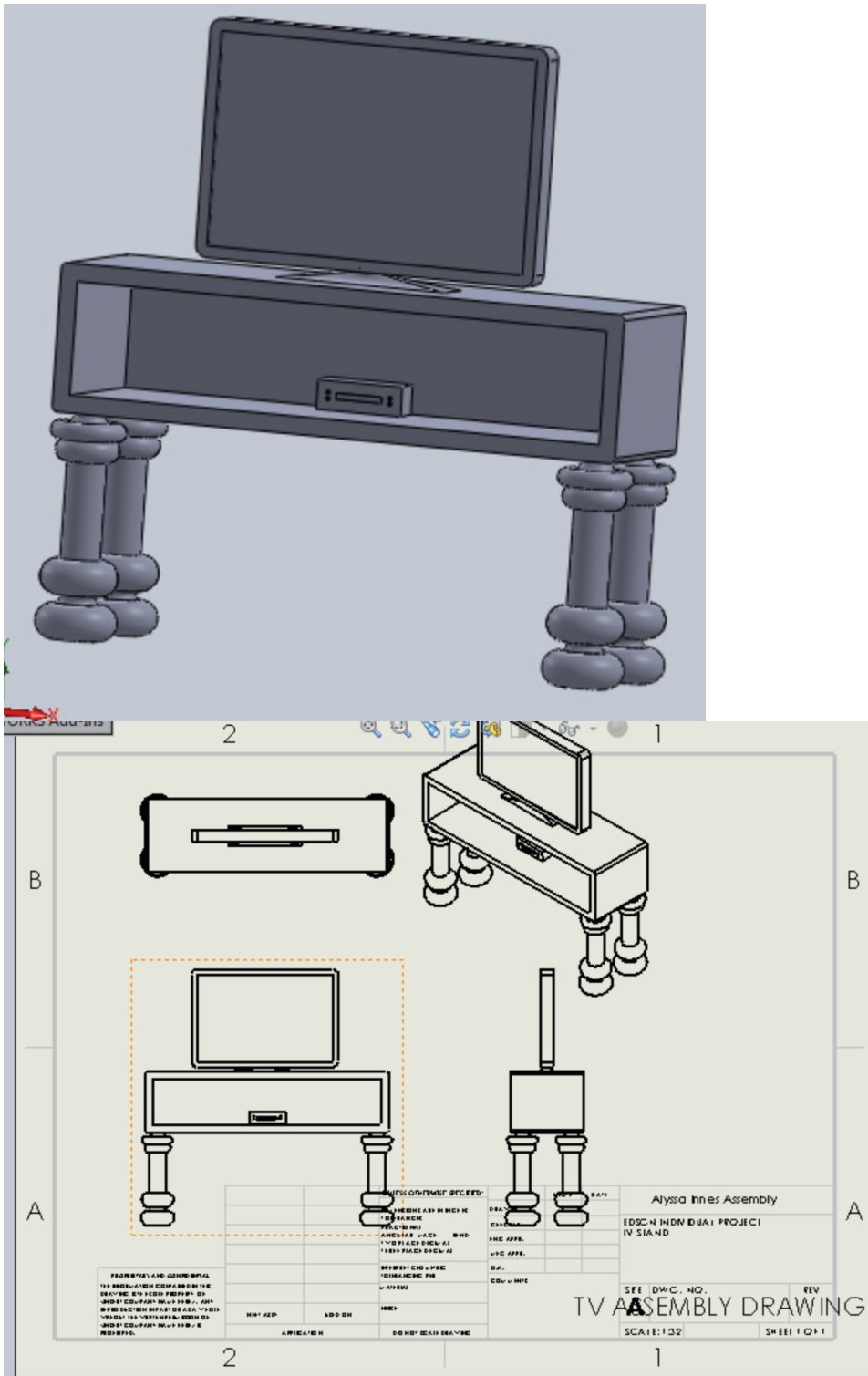
This semester in my Engineering Design class, I learned how to use Solid Works to design parts, make assemblies and also to make drawings of these objects. I started by learning how to make different parts using different functions such as extrude, revolve, loft, sweep, shell, fillet, extruded cut, and more. After learning how to make individual parts, I was taught how to assembly different parts into one object. I did this through the use of the mate function. A lot of this did not come very easy at first, but with lots of practice, by the end of the semester what seemed to take forever in the beginning, now seemed like a short, simple task. After making assemblies, I learned how to transform the isometric model into a 3-view drawing.

Here is the mug that I designed. This was made by making each part separately then assembling them together.



# CAD Lab

As our final project for the class, we had to design anything we wanted that embodied specific features. I chose to design a TV stand. This is the isometric view and also the drawing that was made after it was designed.



# CAD Lab