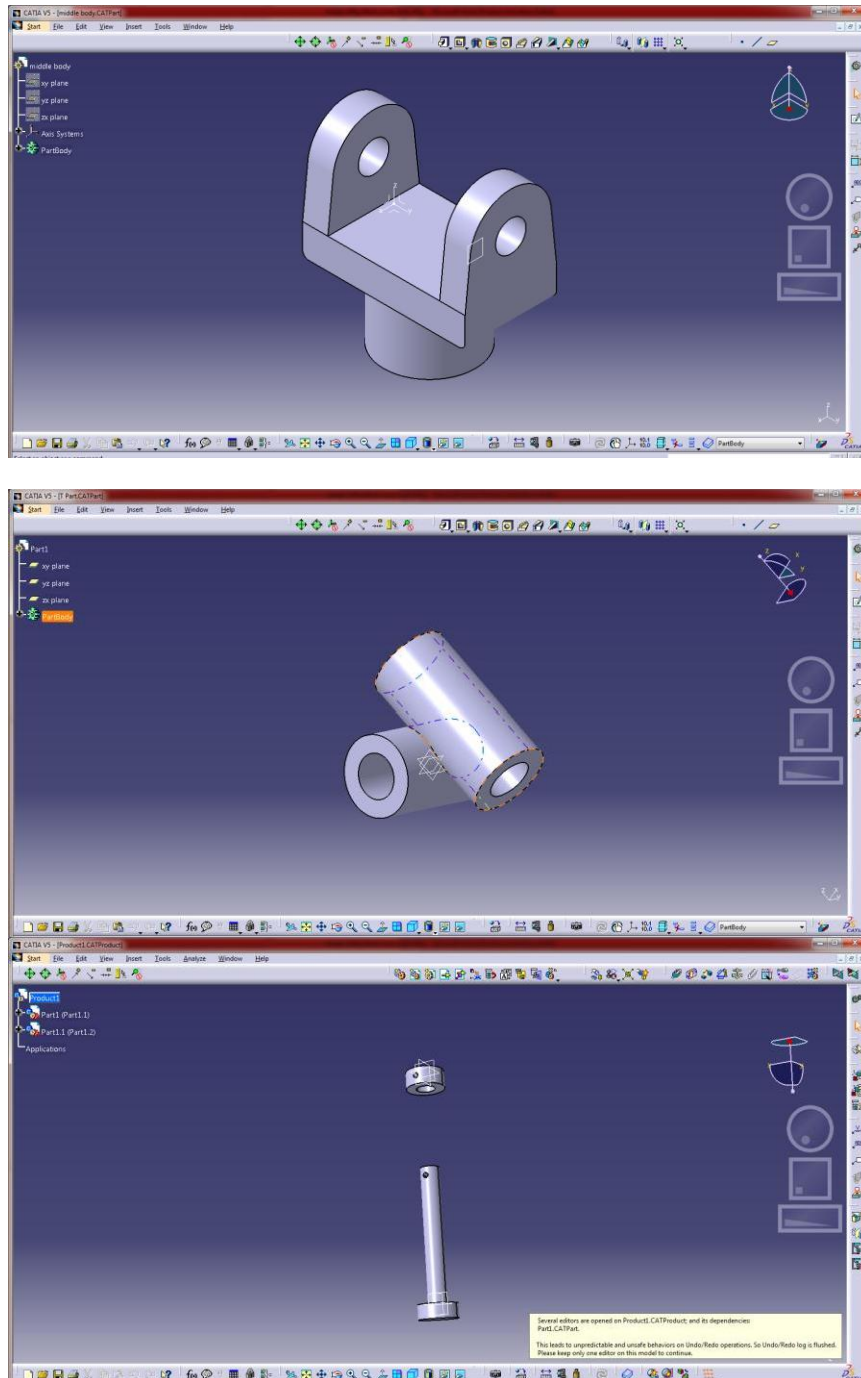Additive manufacturing process used: Fused Deposition Modeling based 3D Printing
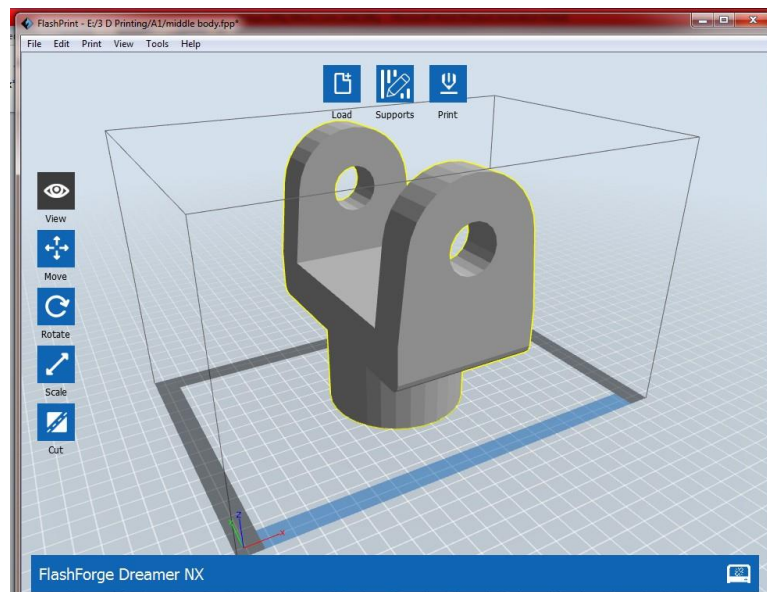
Mechanical Component: Universal Joint

1) Model the Parts of the universal joint
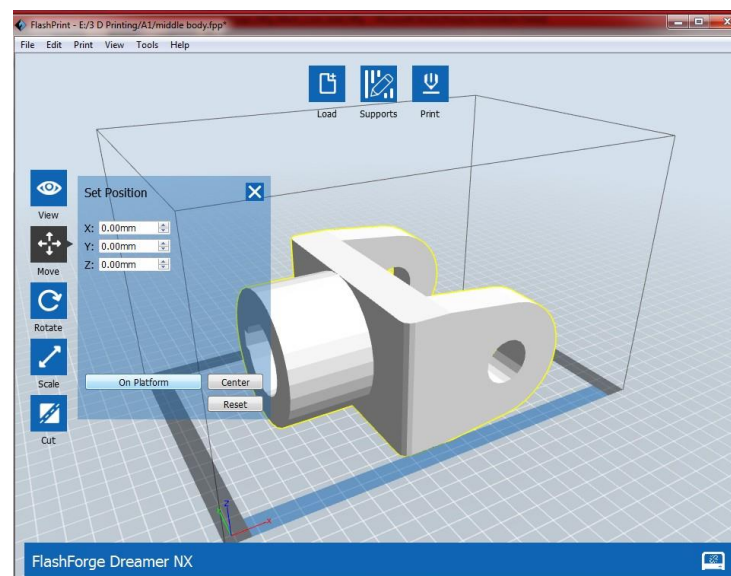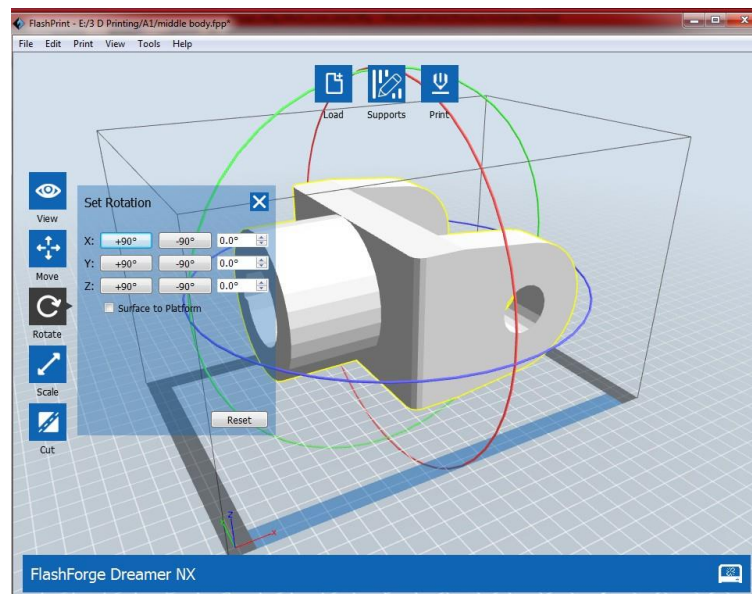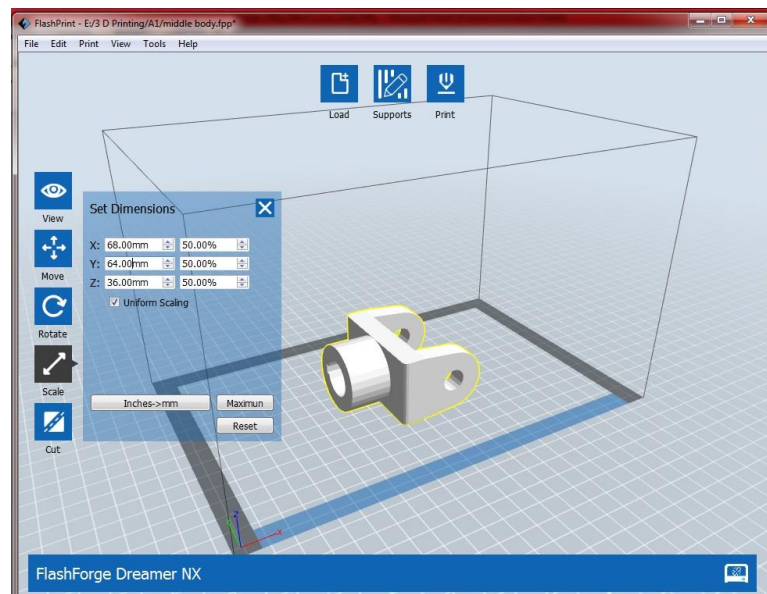

Save all part files in the .stl format

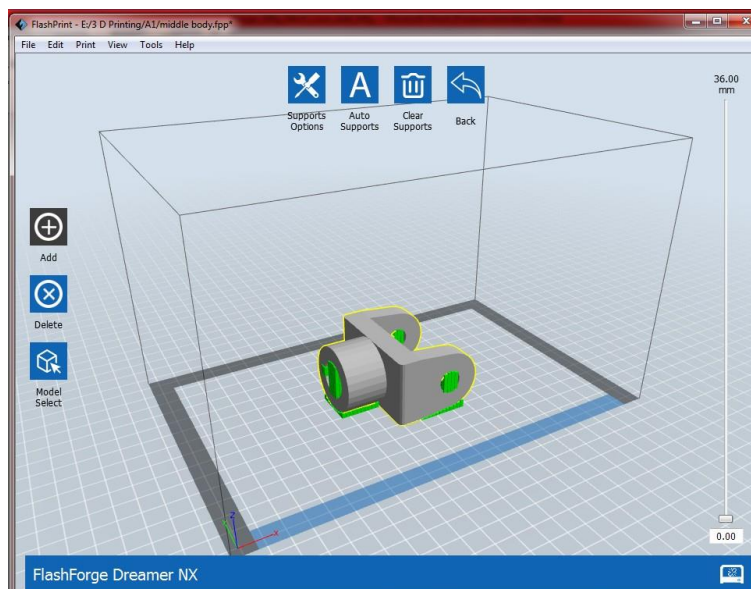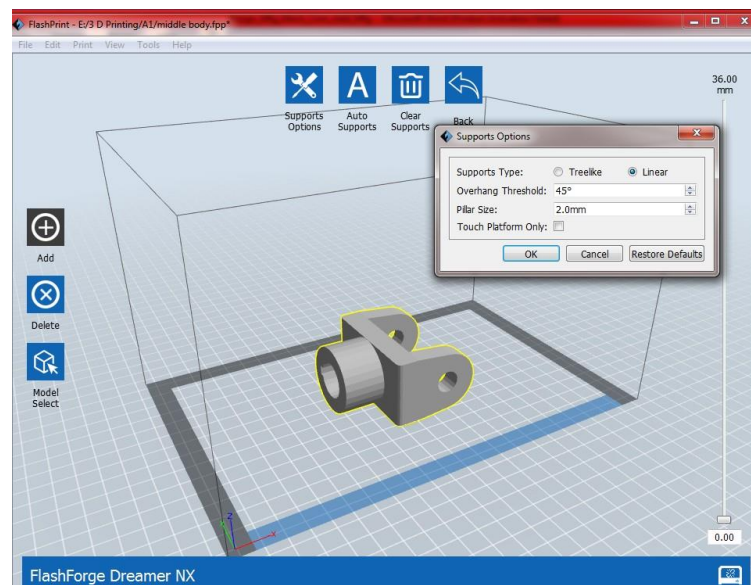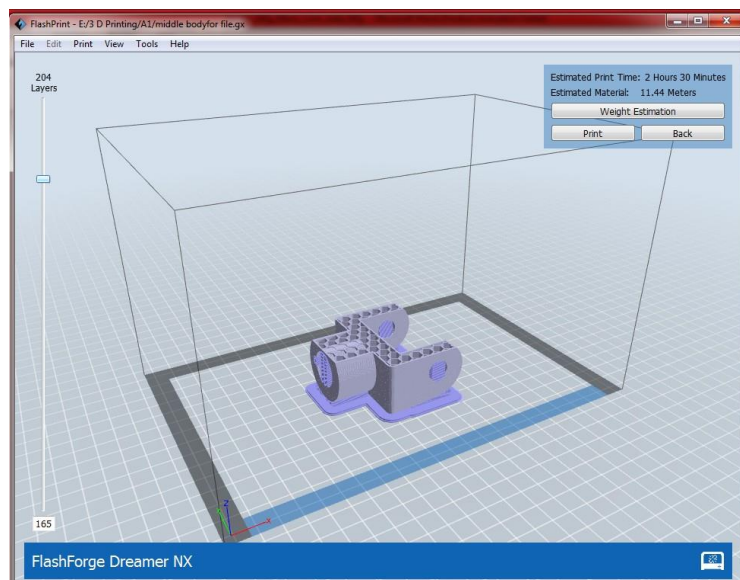2) Load .stl files of the parts in to Flash Print (3D printing software)

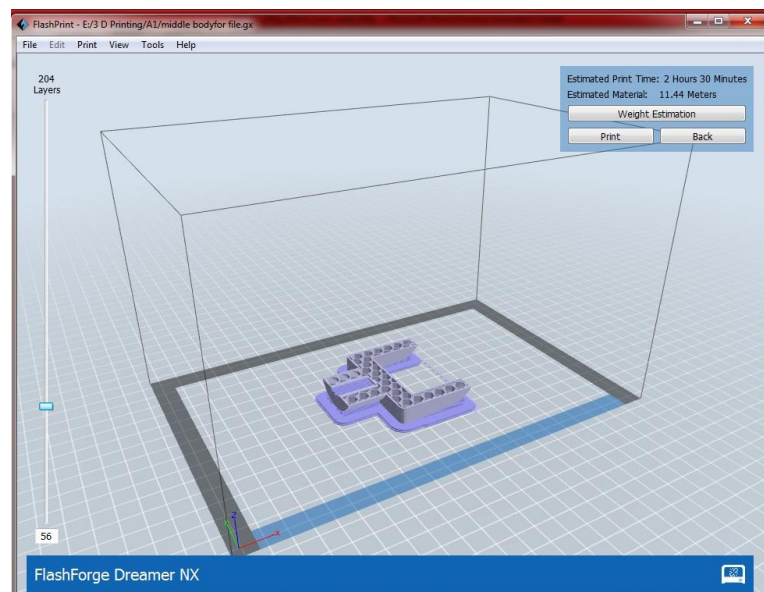3) Choose optimum scale, position & orientation
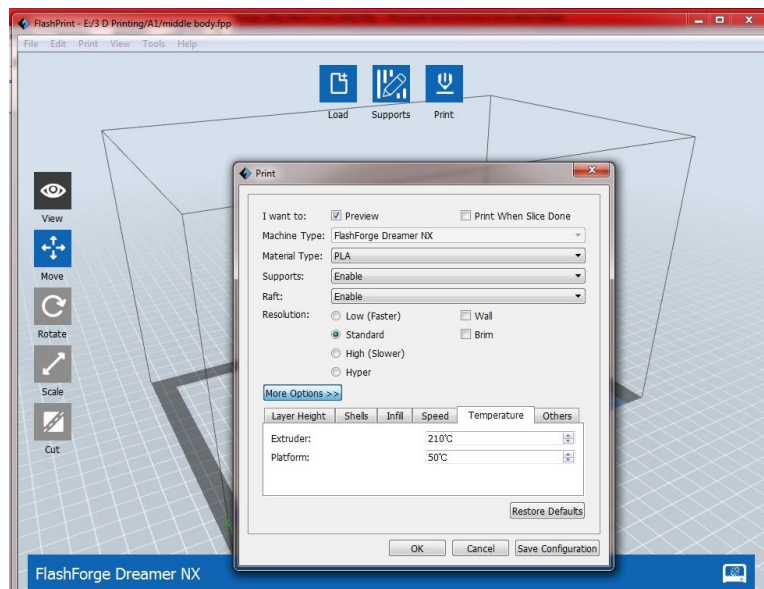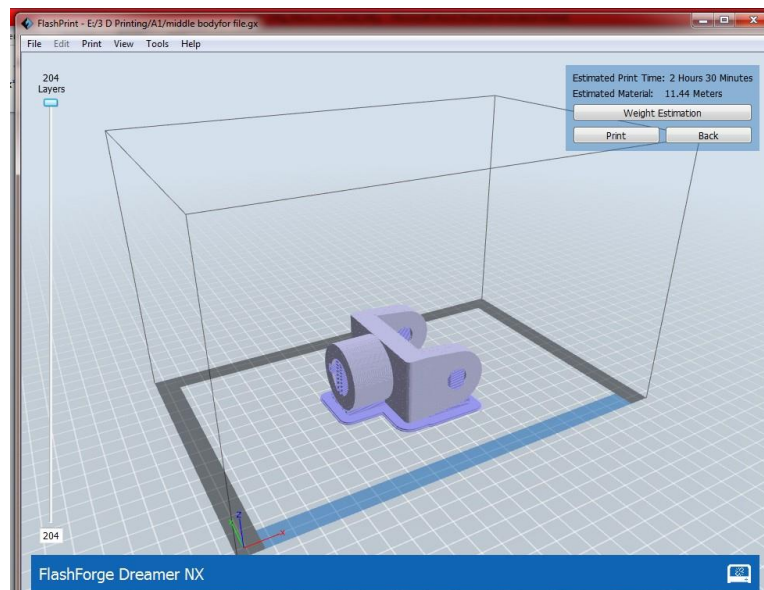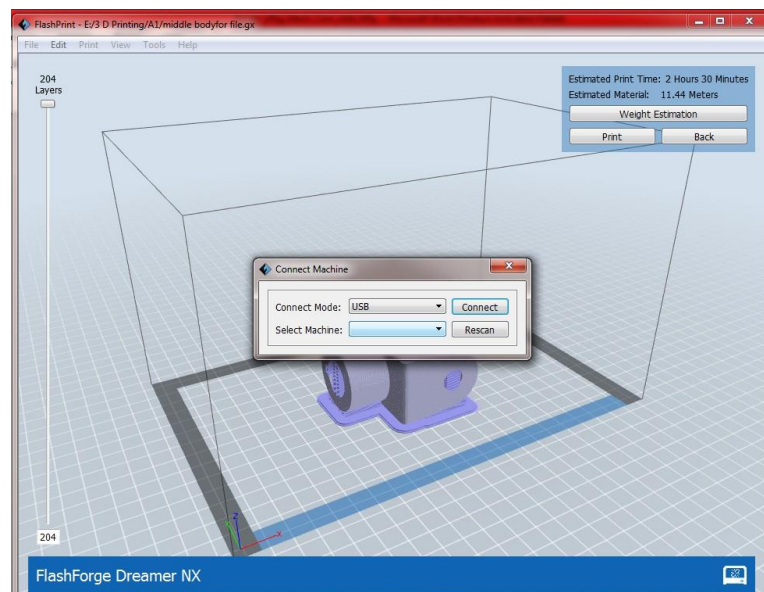
4) Apply support for the overhang portion

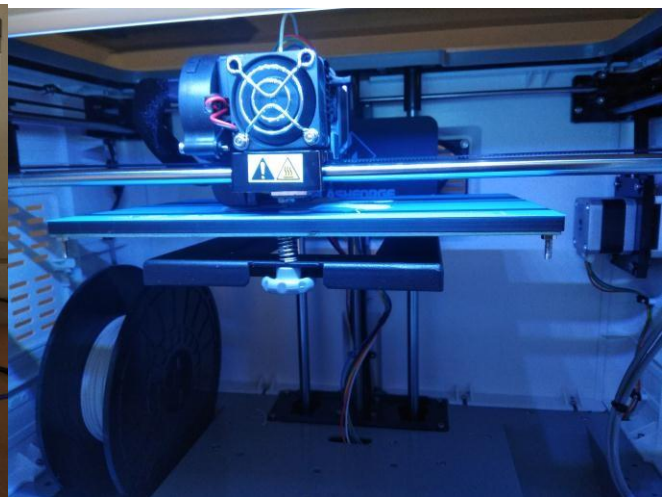5) Print set up and understand the layers

6) Command print

7) After the print is over, remove the part from 3D printing machine and remove the supports

8) Repeat all previous steps for all other parts of the assembly