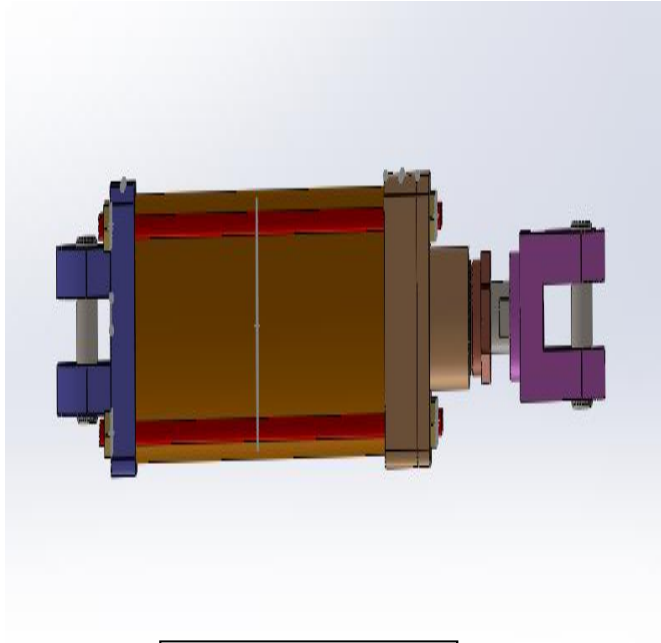


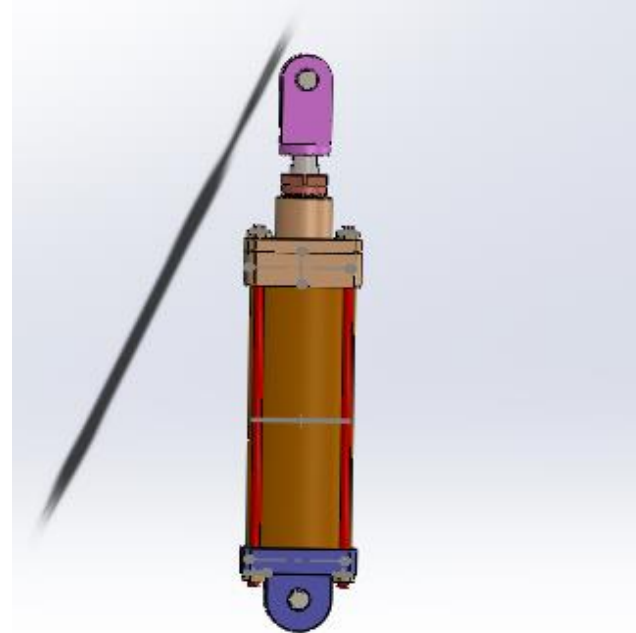
***INNOVATIVE PRODUCT DEVELOPMENT  
2023***

***TOPIC : EXOSKELETON (UPPER LIMB)  
DESIGN REPORT 2023***

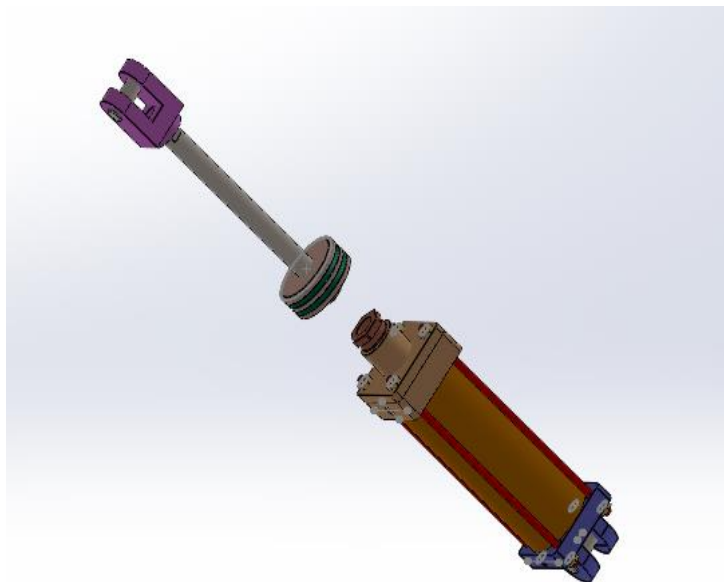
# PISTON CYLINDER HYDRAULIC ASSEMBLY:



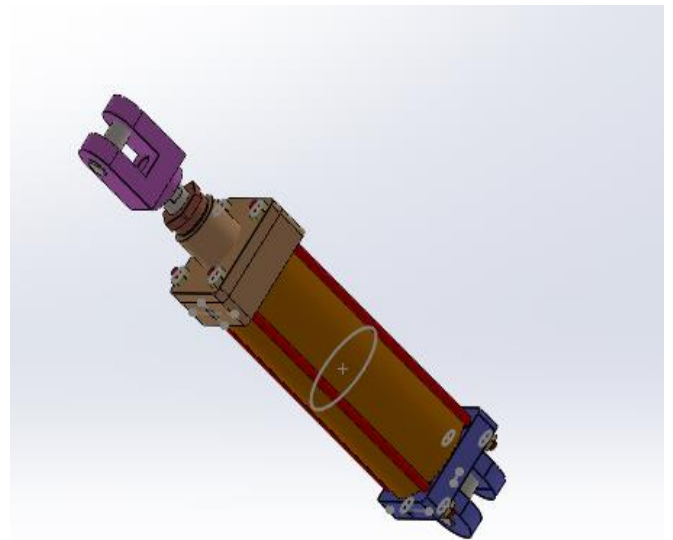
**SIDE VIEW**



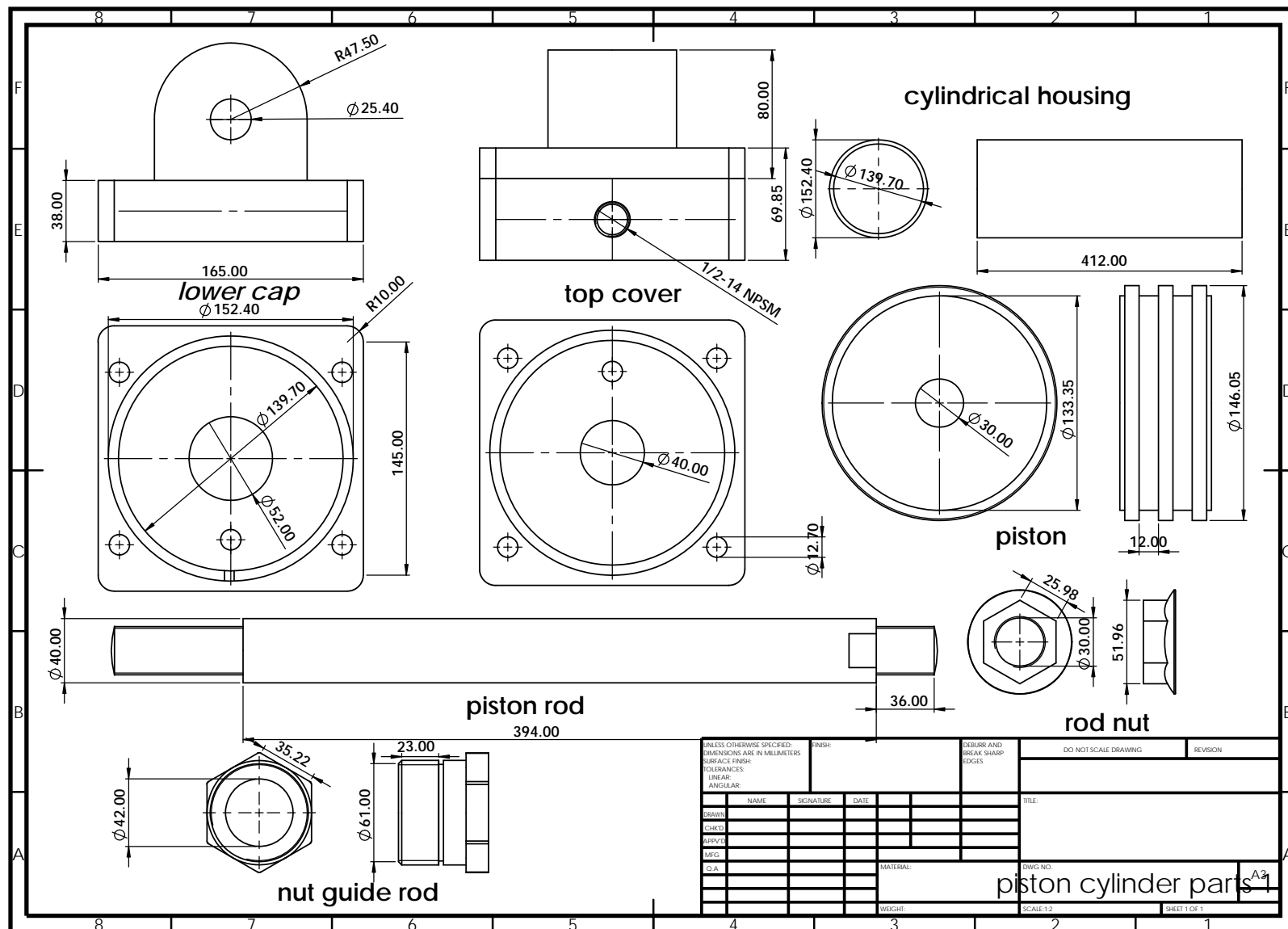
**FRONT VIEW**

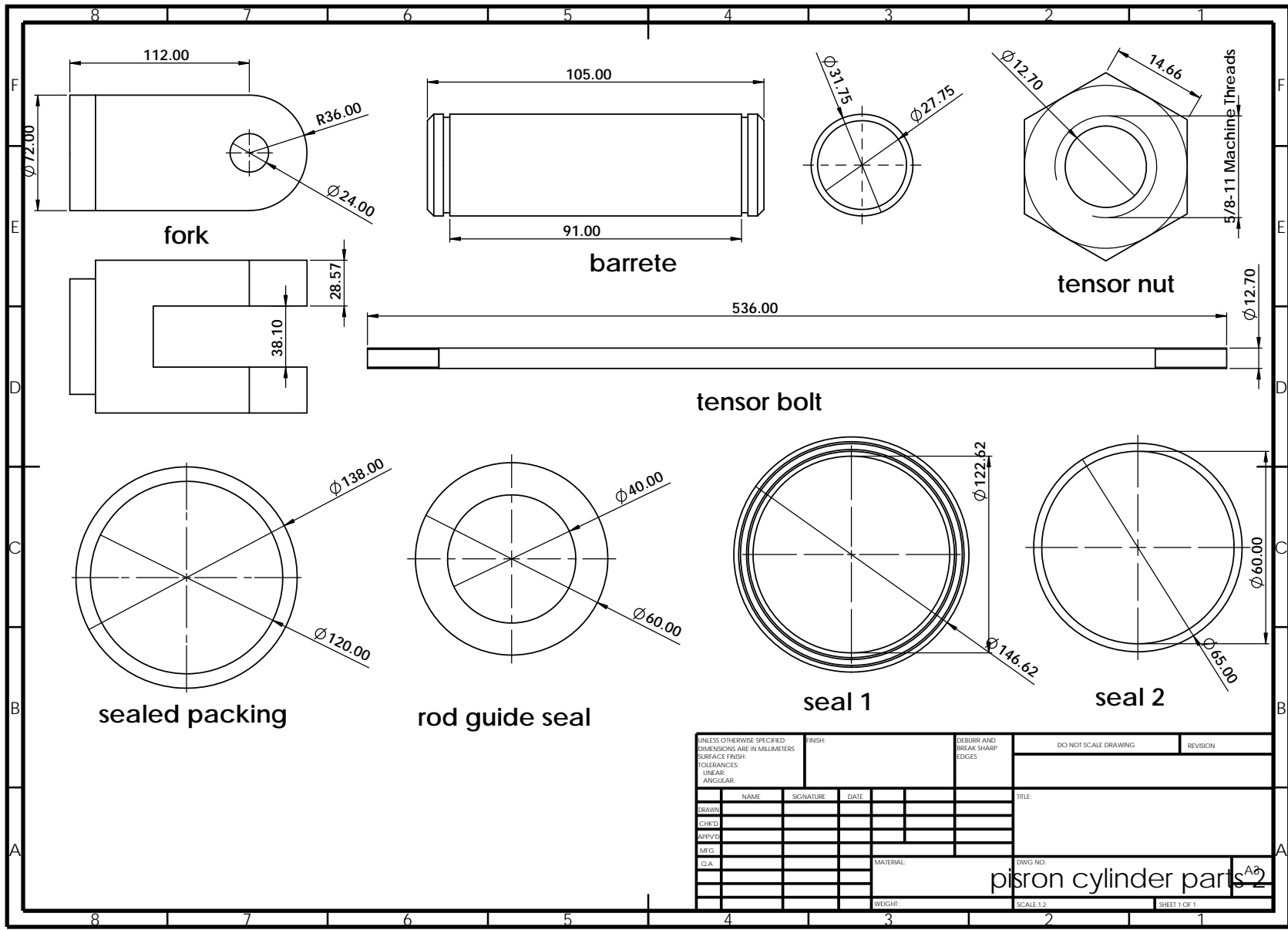


**DYNAMIC MOTION**



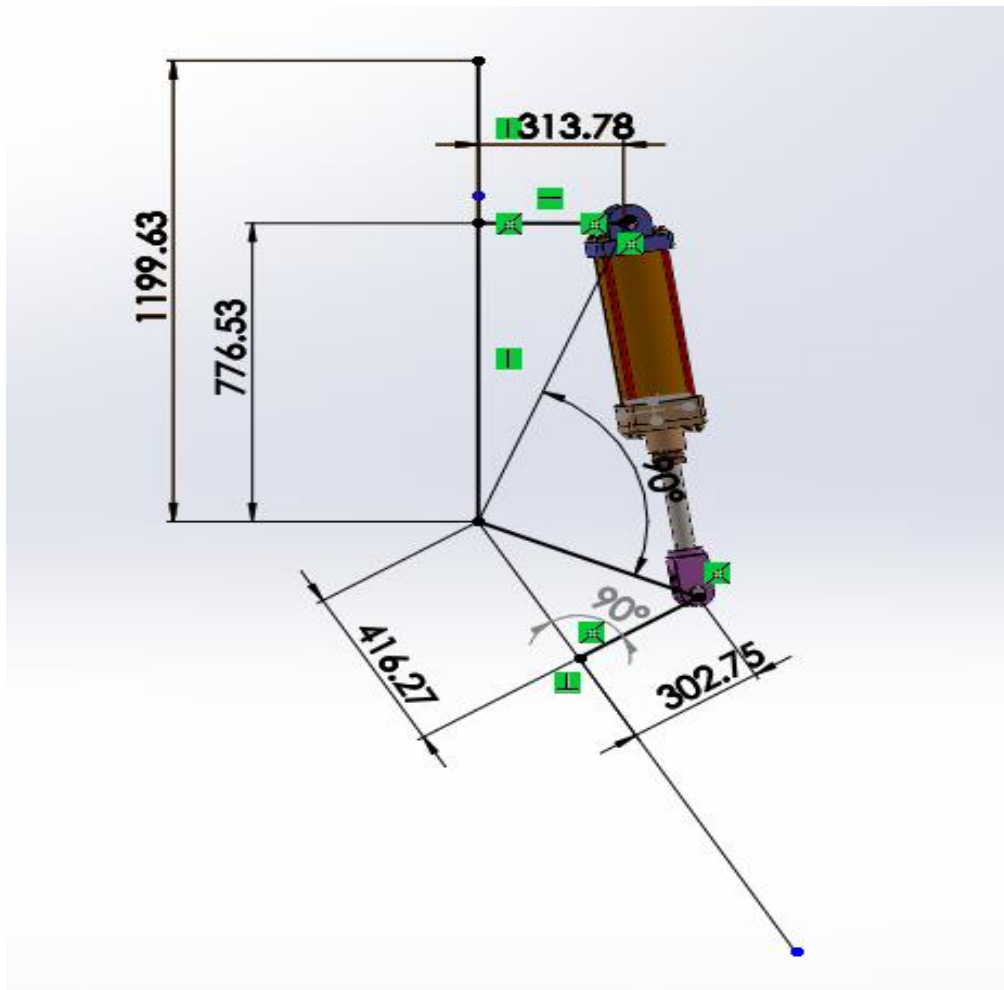
**ISOMETRIC VIEW**



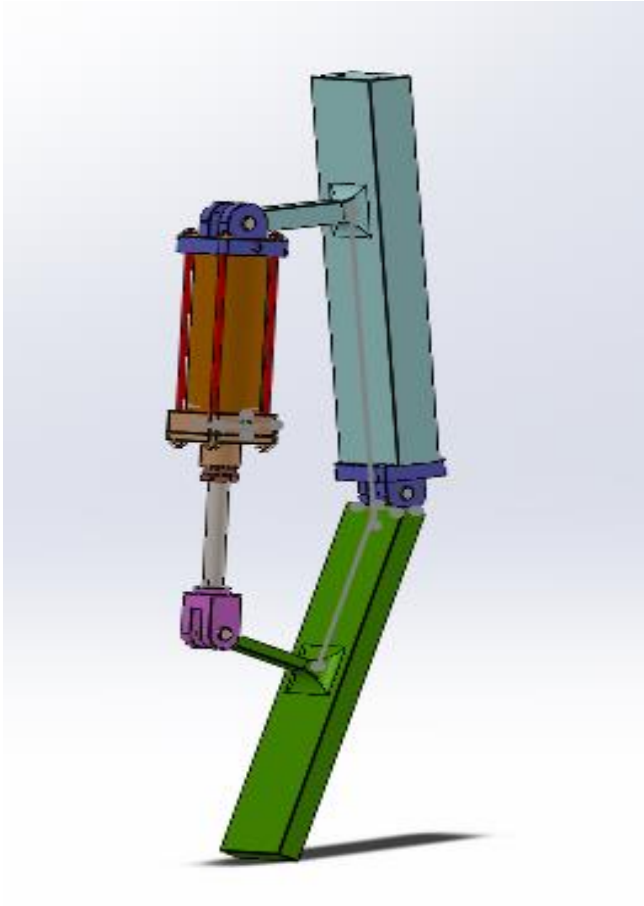


## ***BASIC PROTOTYPE ARM :***

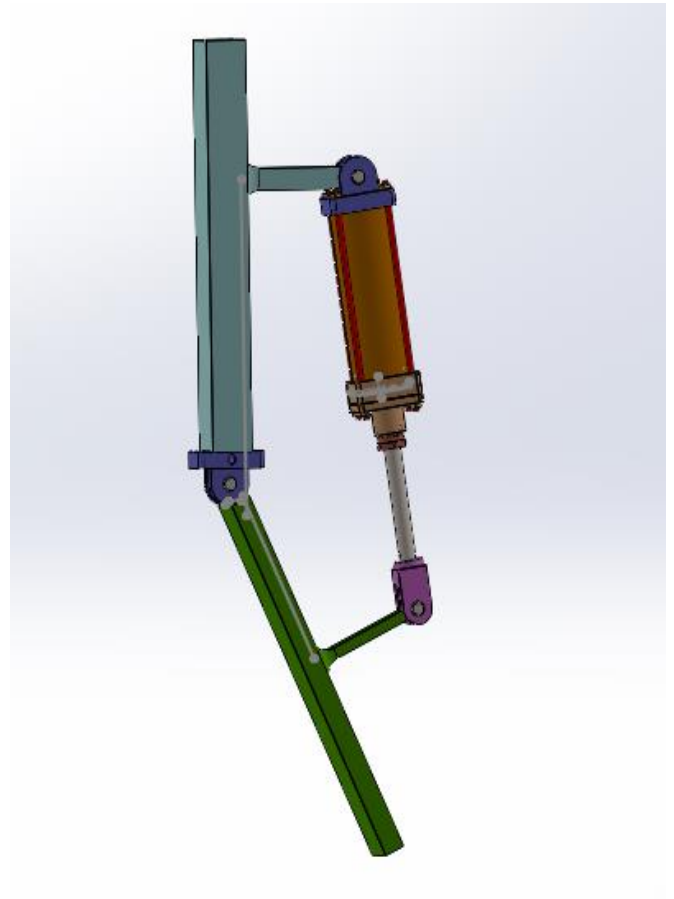
### ***➤ CONFIGURATIONS:***



## ***FINISHED PRODUCT:***



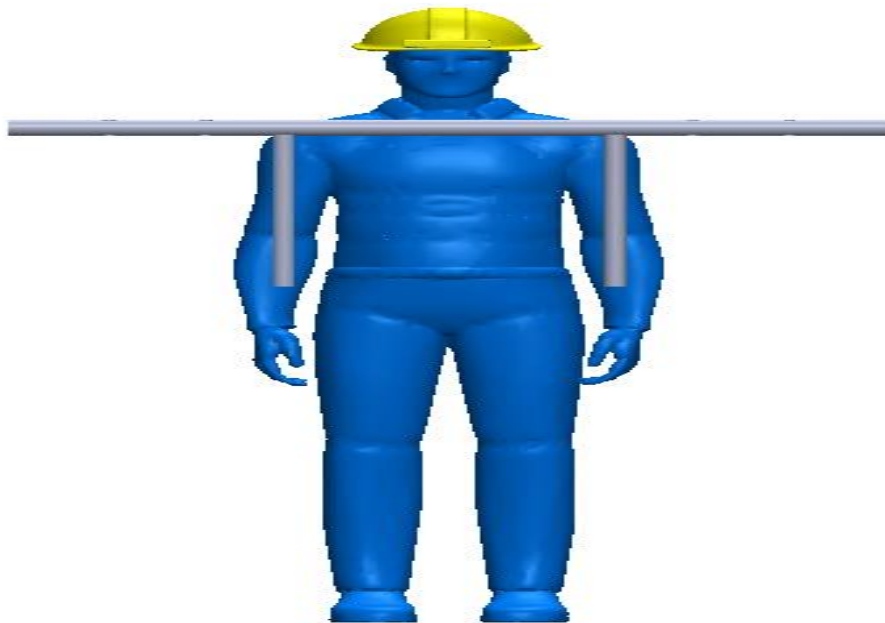
PROTOTYPE ARM ISOMETRIC VIEW



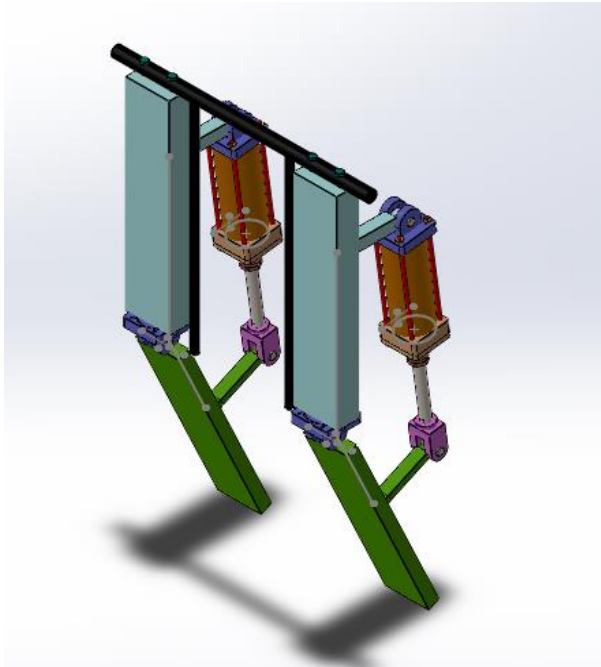
PROTOTYPE ARM SIDE VIEW

# ***ERGONOMICS :***

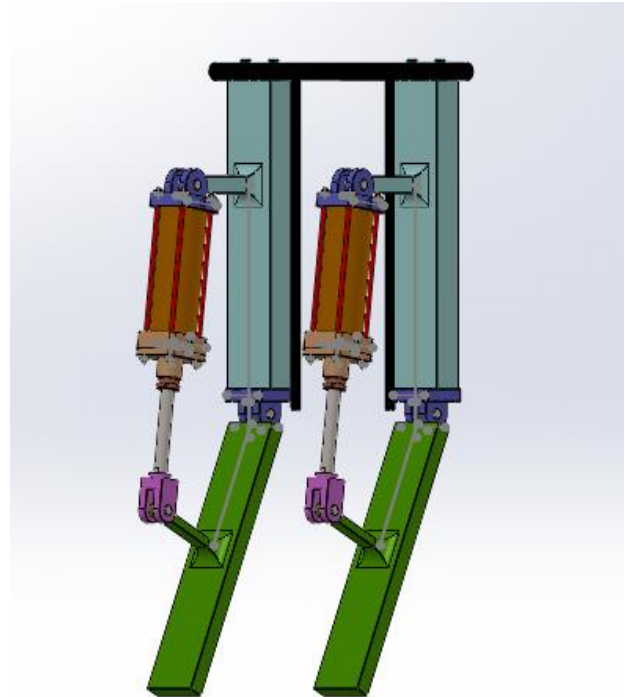
***(MANNEQUIN CONSIDERATION FOR BACK SUPPORT)***



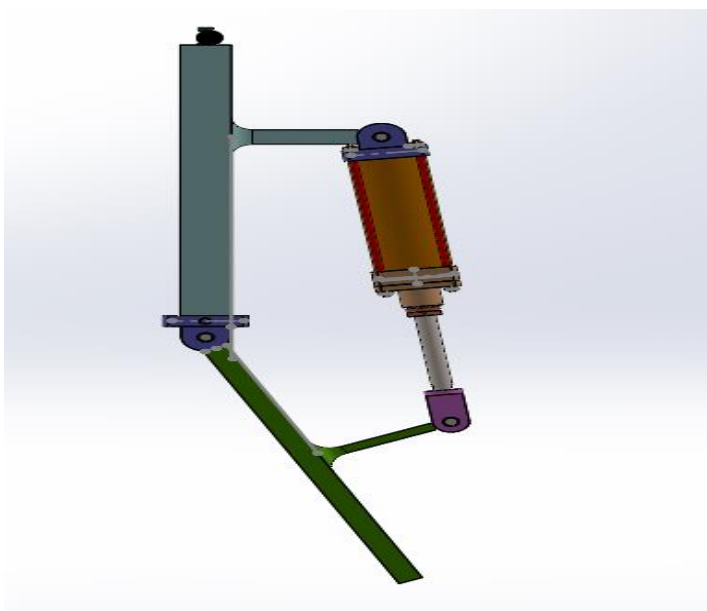
# ***EXOSKELETON UPPER LIMB FINAL CAD:***



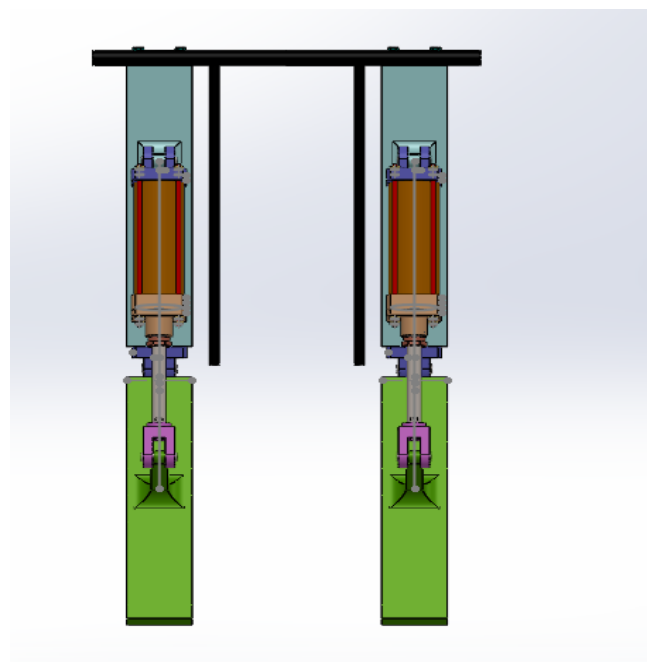
***TRIMETRIC VIEW***



***ISOMETRIC VIEW***



***SIDE VIEW***



***FRONT VIEW***





Technical drawing of a mechanical assembly showing dimensions:

- 200.00
- 442.23
- 30.00
- 1182.27

**TOP VIEW**

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		FINISH:		DEBURR AND BREAK SHARP EDGES		DO NOT SCALE DRAWING		REVISION	
SURFACE FINISH TOLERANCES: LINEAR: ANGULAR:									
NAME		SIGNATURE		DATE		TITLE:			
DRAWN						UPPER LIMB EXOSKELETON			
CHECKED									
APPROVED									
MFG.									
C.A.				MATERIAL:		DWG NO.		A3	
				WEIGHT:		SCALE: 1:20		SHEET 1 OF 1	