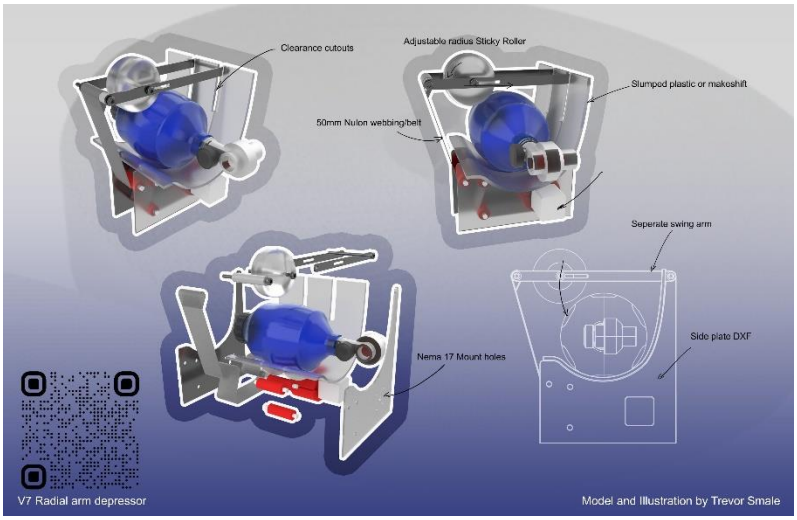
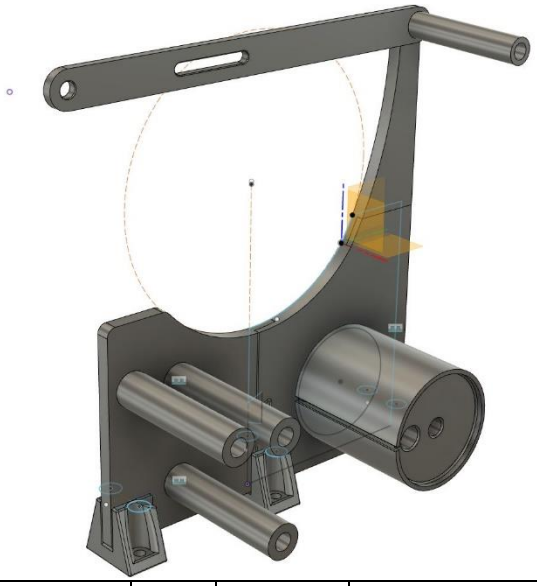
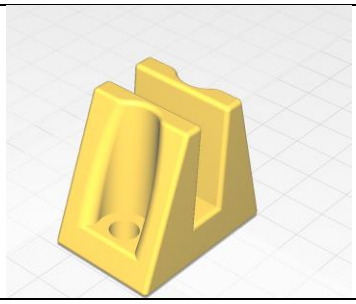
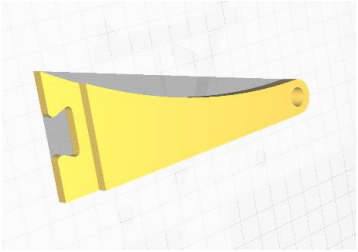
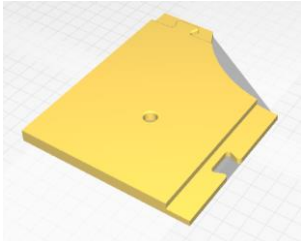
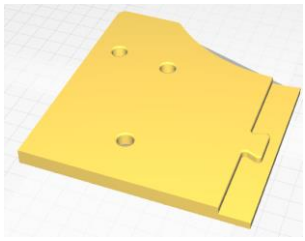
OSVent Pak Project v1
3D Printing Components of AMBU Bag Frame

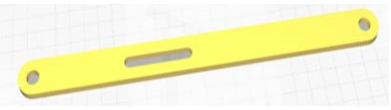
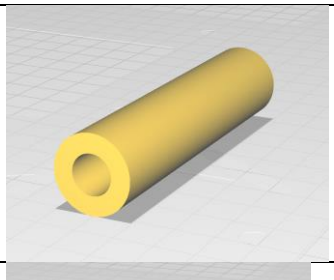
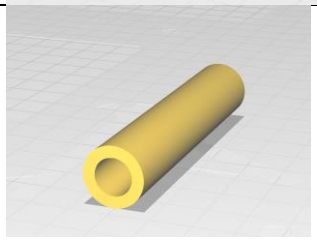
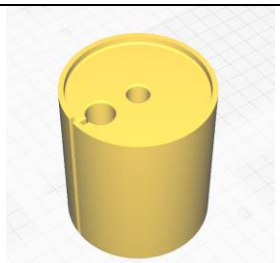
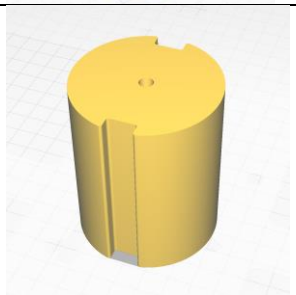
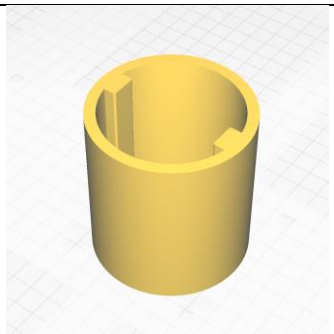
Block Diagram Picture of Frame





S#	File	Image	Brief	Printing Time	Qty.	Bore	Fastener
1.	Frame_block_v1		This will be used to hold the **side walls** to the base.	1 hr 32 mins	6.00	Hole 6.5mm Depth 7mm	Allen Bolt & Nut (or similar threading in base) **M6 x 15** (2 bolts for each block)
2.	Frame_part1_v1		All these three files will combine like a puzzle to form the side wall	1 hr 13 mins	2.00	Holes 8.2mm	N/A
3.	Frame_part2_v1			4 hrs 8 mins	2.00		
4.	Frame_part2_v1			3 hrs 52 mins	2.00		

Link To STL files: https://drive.google.com/drive/folders/1yy9xc6UJQh_u6fzcl6BtR_JXMNN_a-VH?usp=sharing

S#	File	Image	Brief	Printing Time	Qty.	Bore	Fastener
5.	Lever_part1_v1		This acts like a pulley on which the roller is supposed to roll	1 hr 26 mins	2.00	Holes 8.2mm Slot 6.2mm	*See No.6, 7 & 9*
6.	Roller_part1_v1		The Red Roller in the diagram	1 hr 39 mins	3.00	Hole 10.2mm Length 84mm	Allen Bolt & Nut with washers **M8 x 110** (*100mm shoulder*) ***1 set for each roller***
7.	Roller_part2_v1		The Gray Roller in picture. Will be adjusted across the ends of the rollers at top	1 hr 0 min	1.00	Hole 9.2mm Length 74mm	Allen Bolt & Nut with washers **M8 x 95**
8.	Roll_Motor_v1		Will be used at bottom. This will come on the wall of the Bracket. Will be connected to the motor- Enable to and fro motion	12 hrs 15 mins	1.00	Shaft Hole 8.2mm Belt Hole 13mm	N/A
9.	Pressure_Cylinder_v2		The top most part that will be sliding on and pressing the ambu-bag. It will have replaceable rings. *See No. 11*	8 hrs 41 mins	1.00	Hole 5.8mm	Allen Bolt & Nut with washers **M5 x 95** (*84mm shoulder*)
10.	Ambubag_Tray		This will hold the ambu-bag. It has slots which allow levers to move across.	1 day 22 hrs 48 mins	1.00	Slots Width 10mm	N/A
11.	Pressure_Cilinder_ring_1		Outer Dia. – 70mm	8 hrs 47 mins	1.00	N/A	
			Outer Dia. – 80mm	11 hrs 35mins	1.00		
			Outer Dia. – 90mm	14 hrs 55 mins	1.00		
			Outer Dia. – 100mm	18 hrs 25 mins	1.00		

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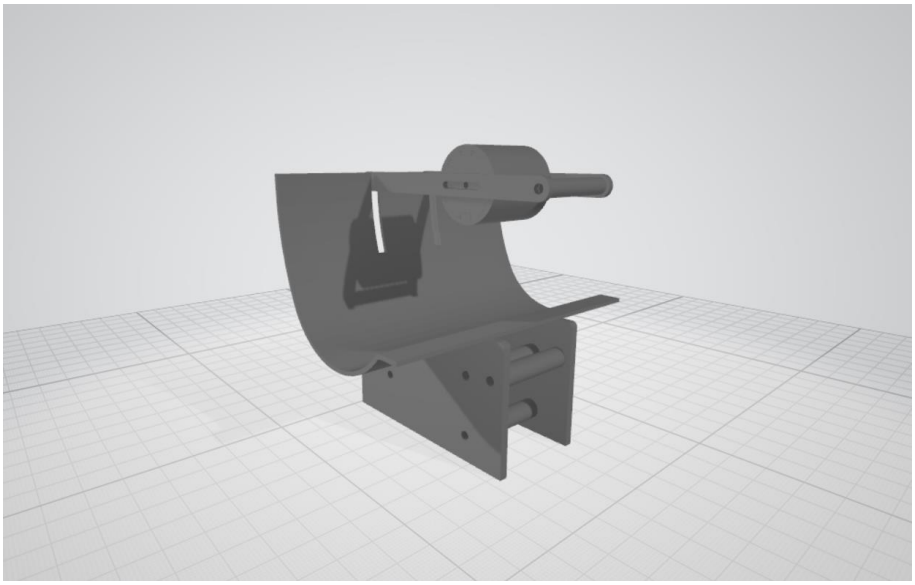
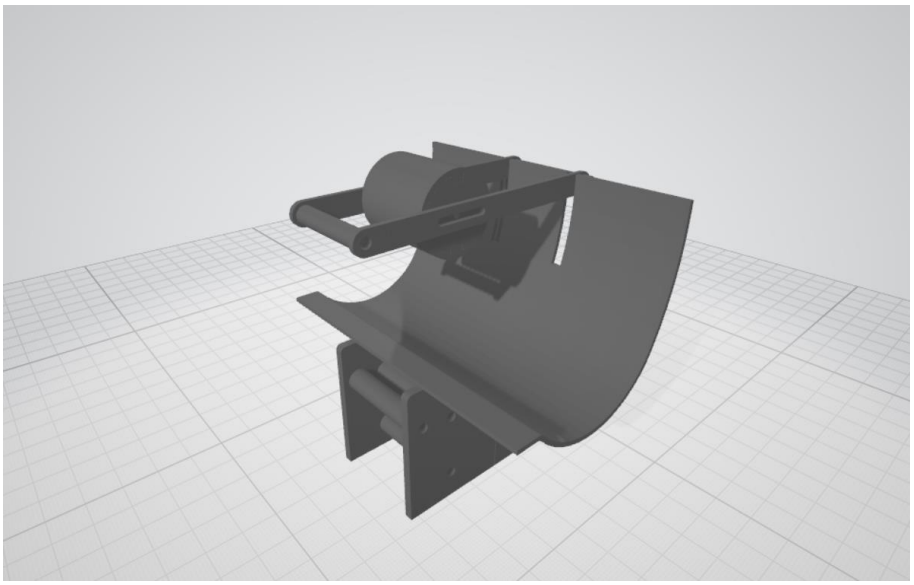
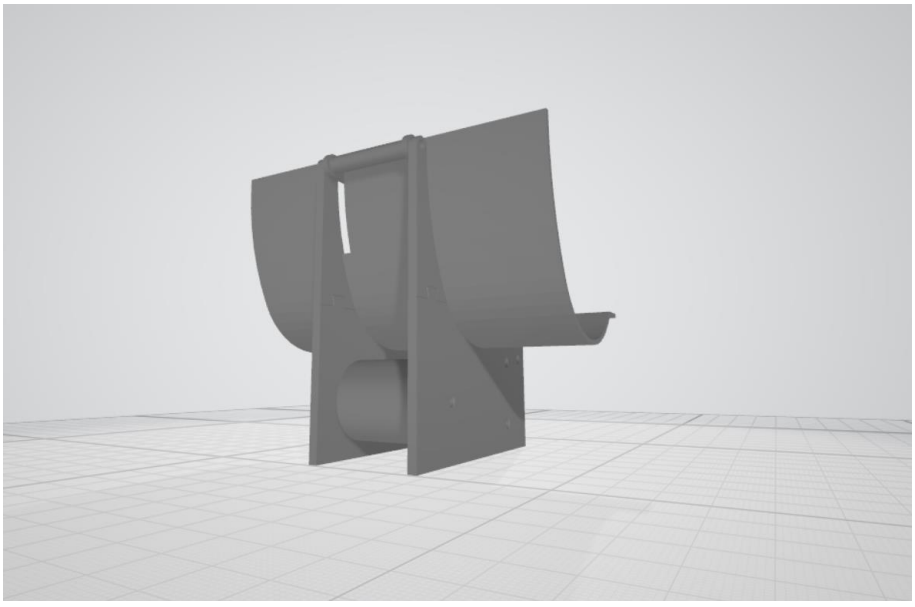
Final Look:







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