

ES-101

Modelling Project: Final Report

M4 Carbine Assault Rifle



Group 4

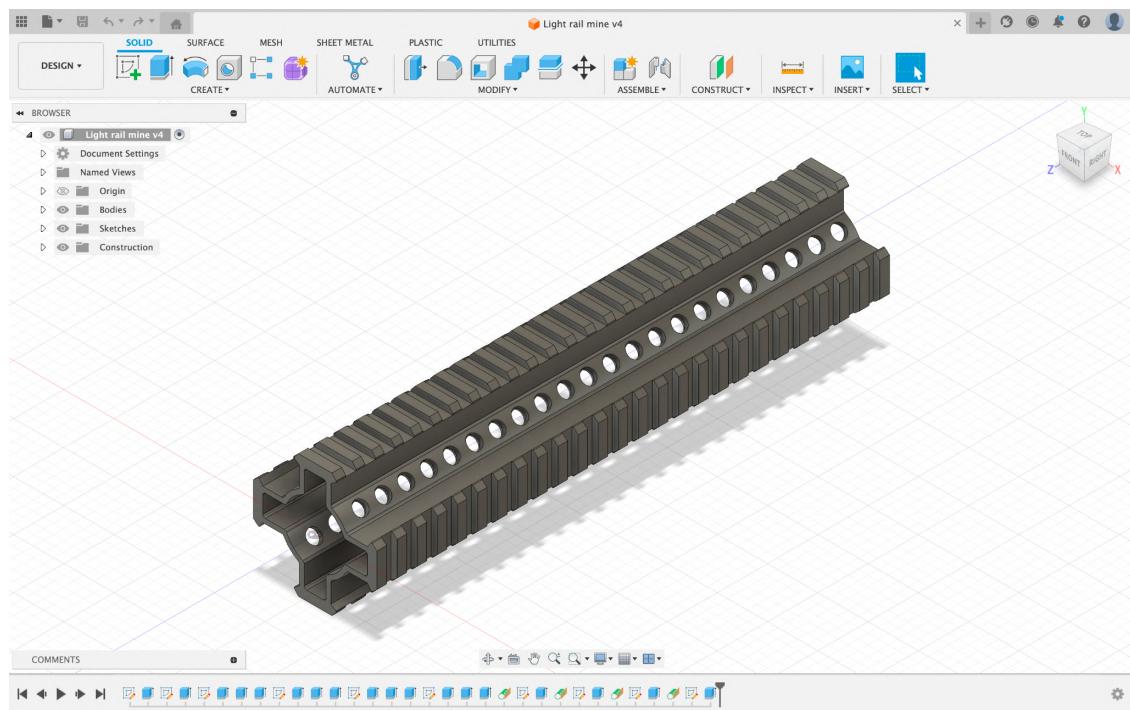
M4 CARBINE

WORK DISTRIBUTION:

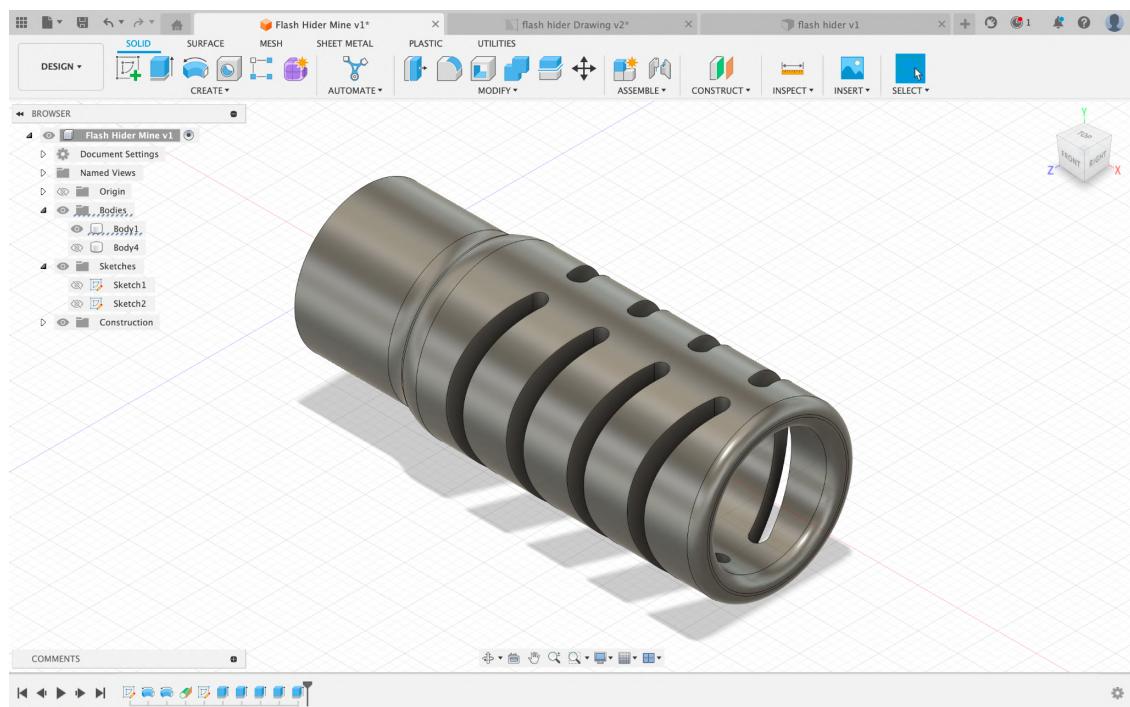
Si. No.	Name	Parts Modelled
1	ARJUN SEKAR	Light Rail Handguard, Flash Hider, End Plate, Barrel nut, Gas tube , Buffer tube and scope mount, Ejection Cover.
2	ARUL SINGH	Barrel, Magazine extended, Take down pin, Forward assist, M4 Style Handguard.
5	ARYAN GHOSLYA	Safety Selector, Vertical Grip, Charging handle, Roll Pins, Castle Nut, Pistol Grip.
6	ARYAN SAHU	Lower Receiver, Trigger and Hammer pins, Gas block, Barrel Extension
7	ARCHIT DHAKAR	Trigger, Magazine, Upper Receiver, Bolt Catch, Scope, Magazine Catch, Butt Stock.

Snapshots of the Parts:

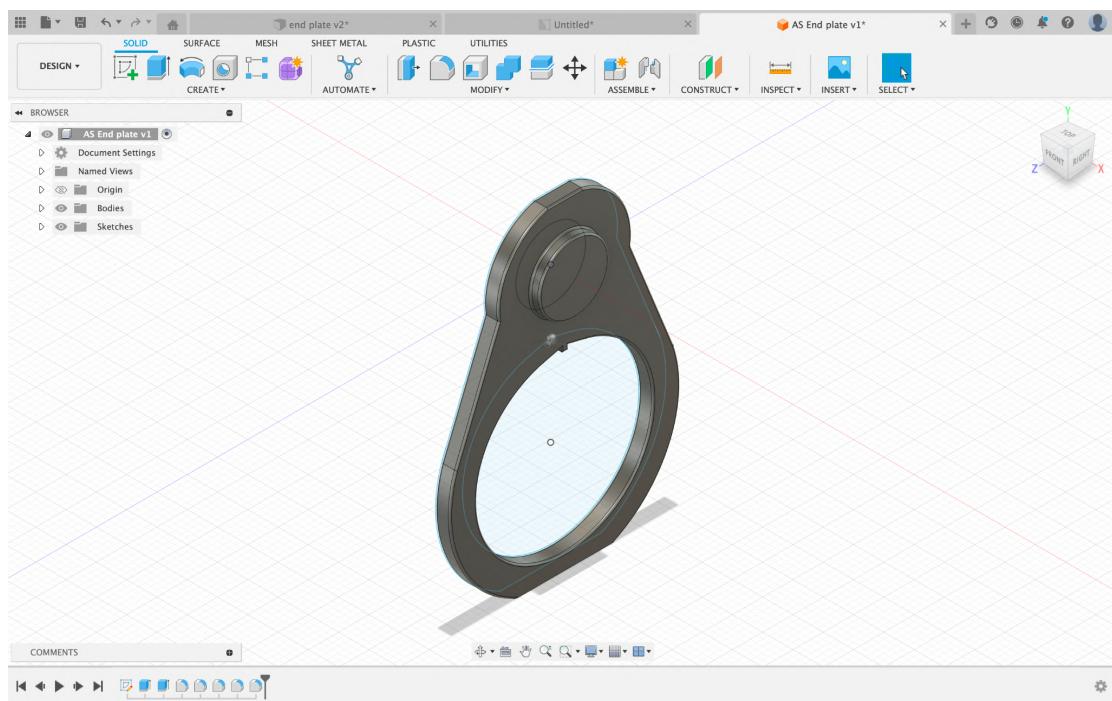
1. Handguard:



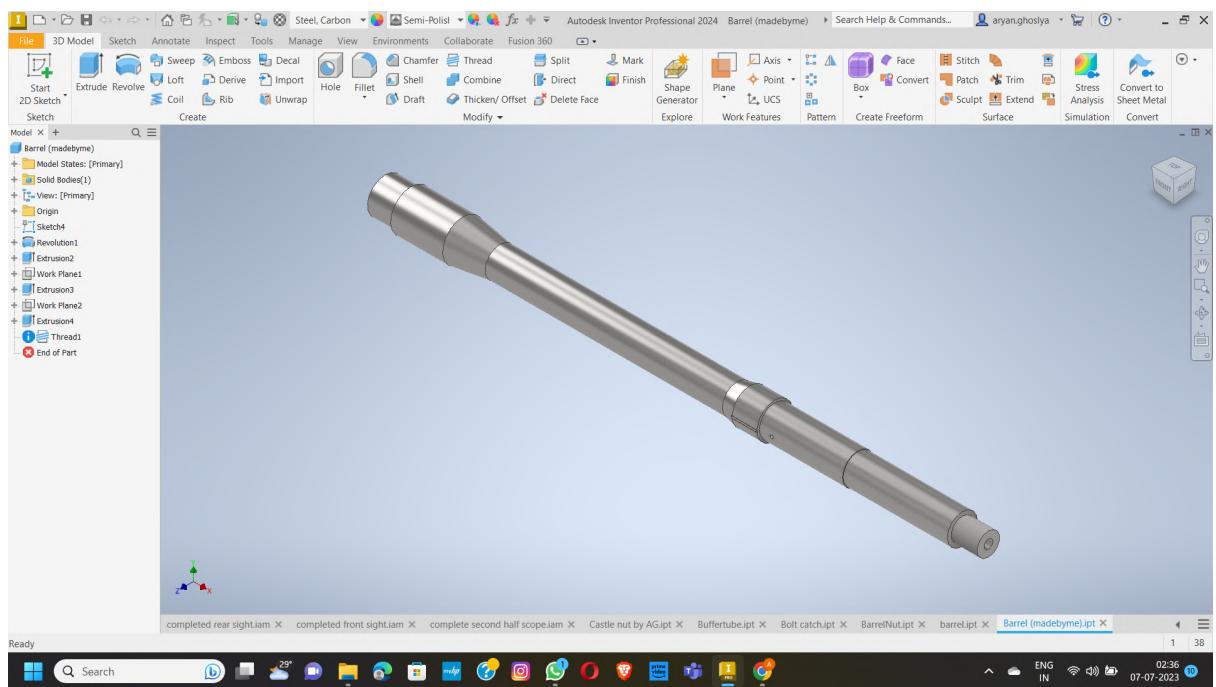
2. Flash Hider:



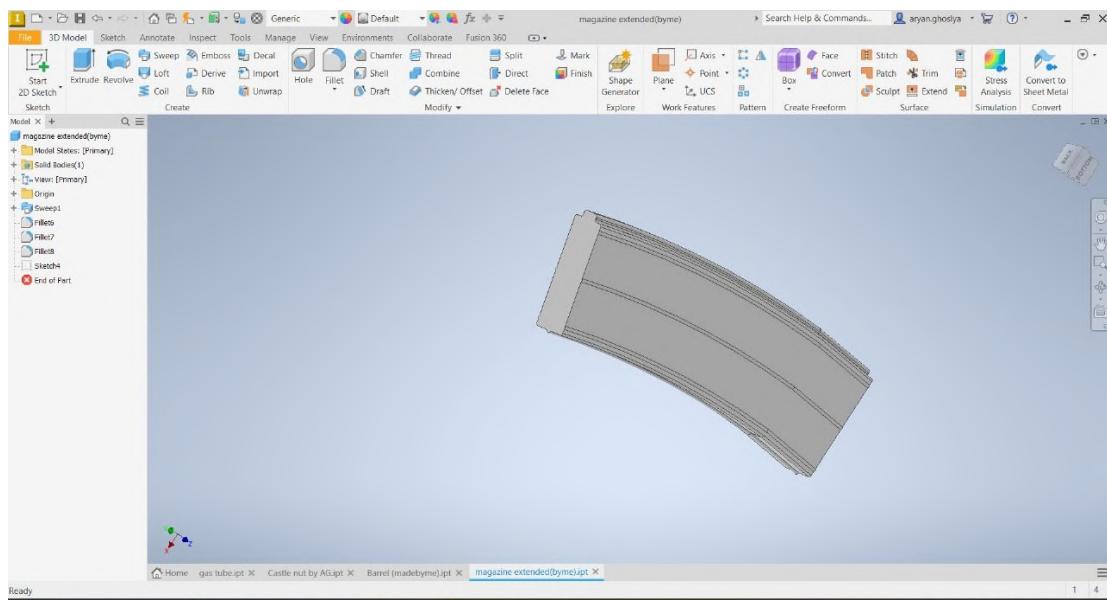
3. End Plate:



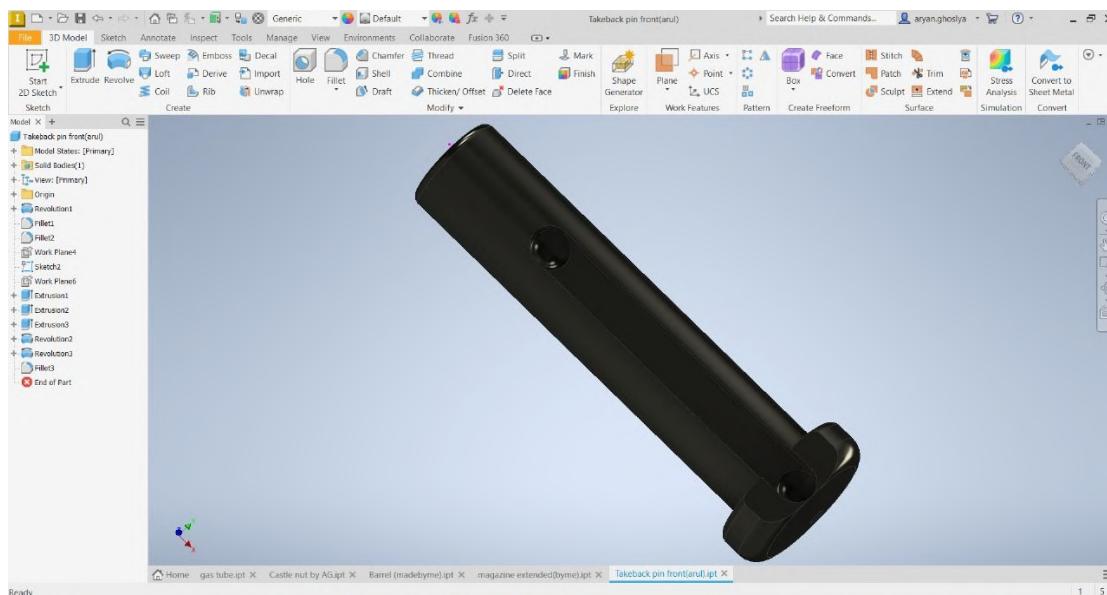
4. Barrel:



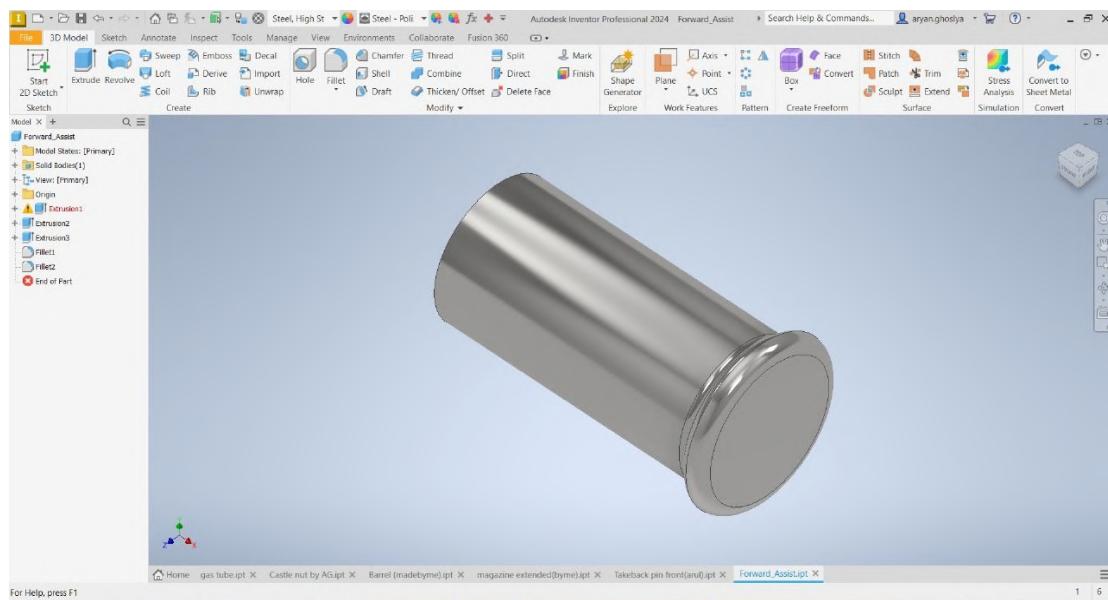
5. Extended Magazine:



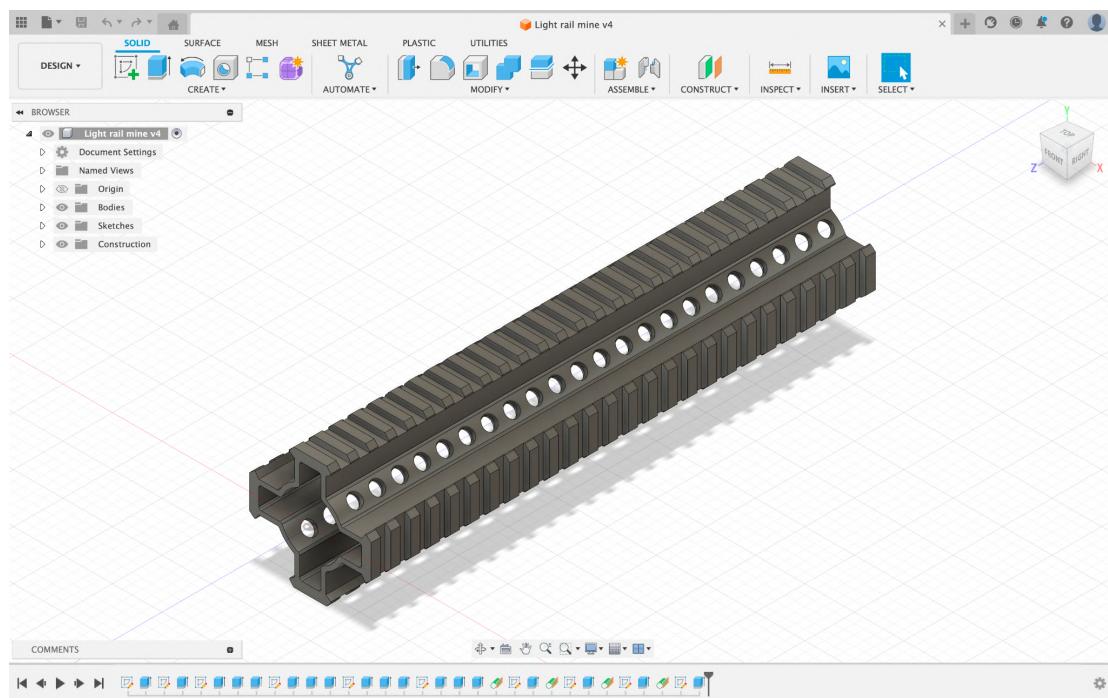
6. Takedown Pin:



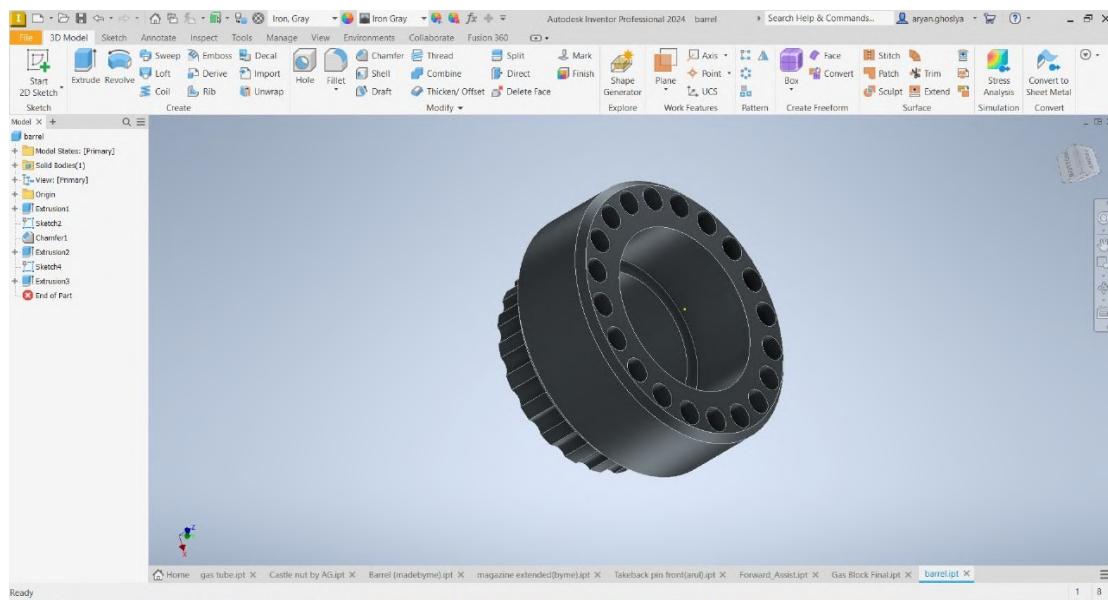
7. Forward Assist:



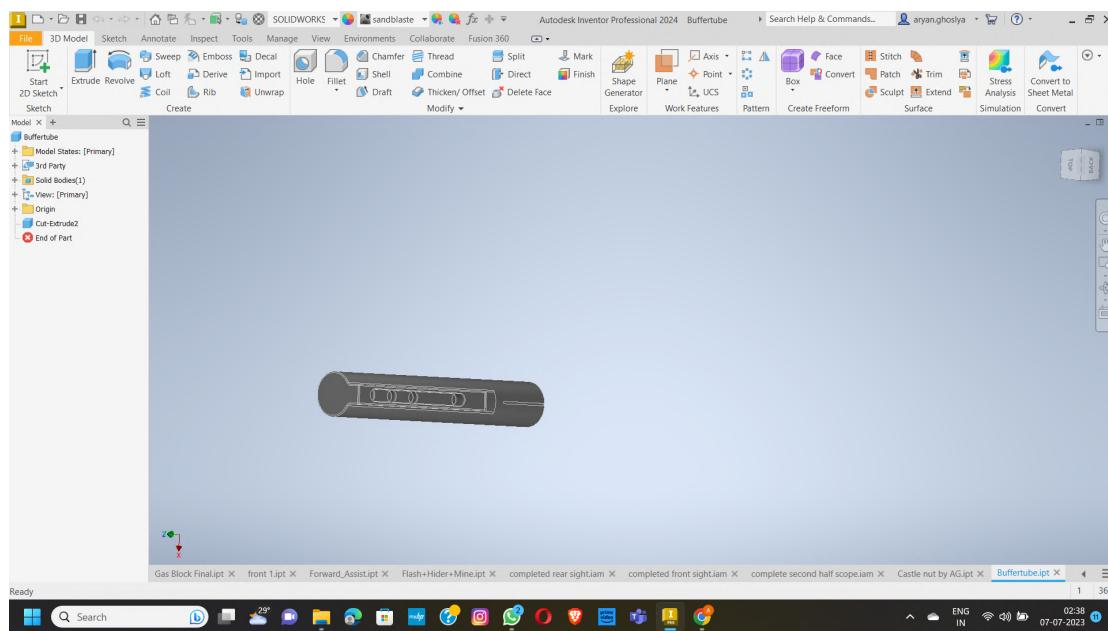
8. M4 Style Handguard:



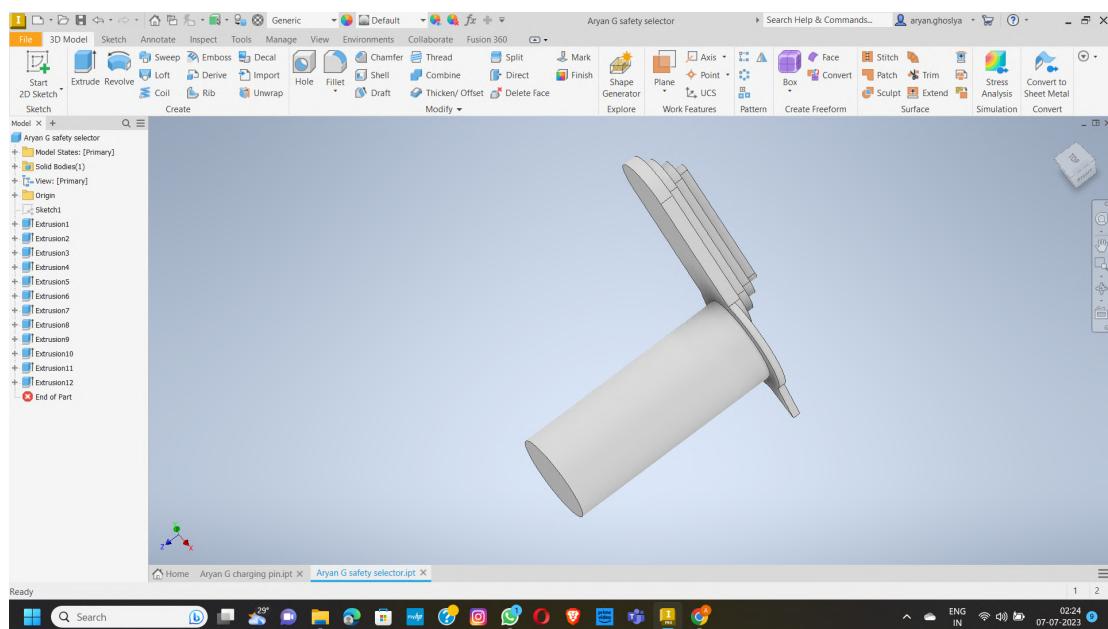
9. Barrel Nut:



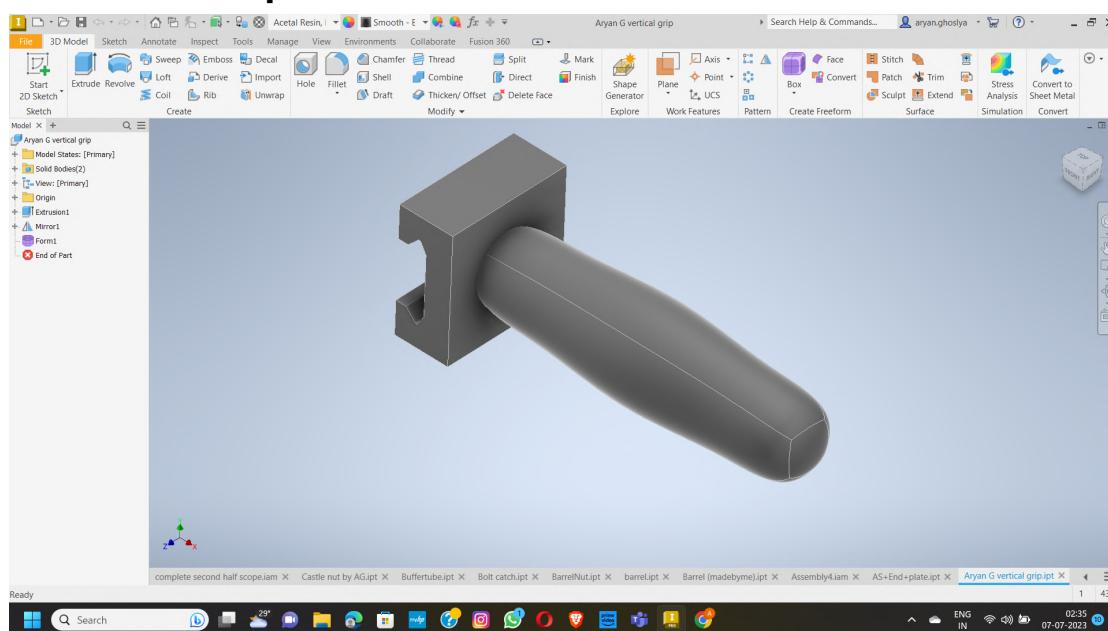
10. Buffer Tube:



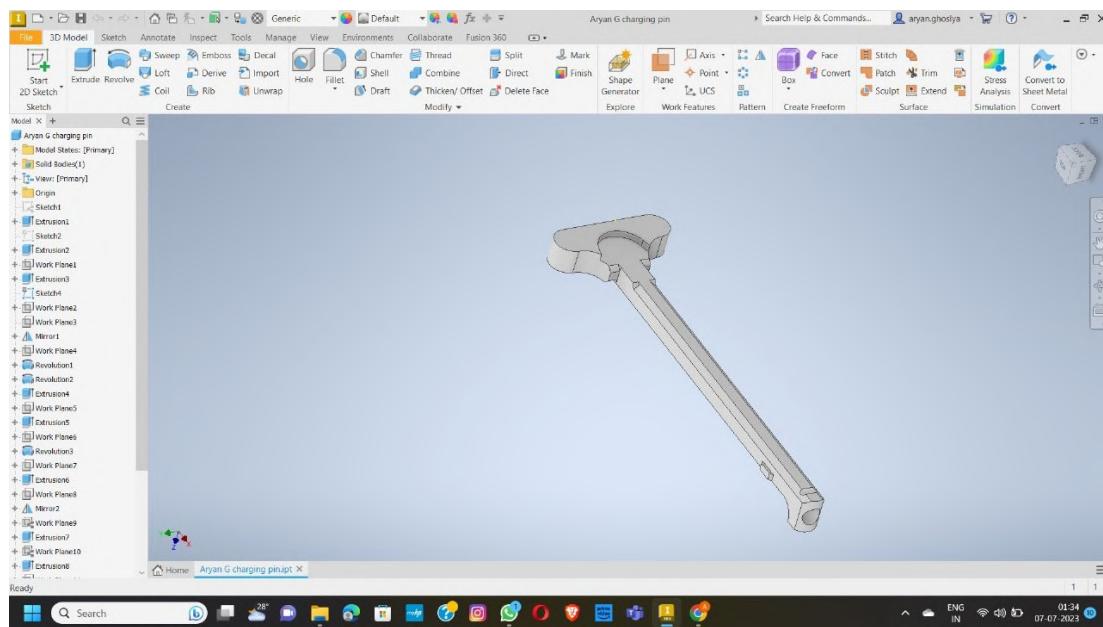
11. Safety Selector:



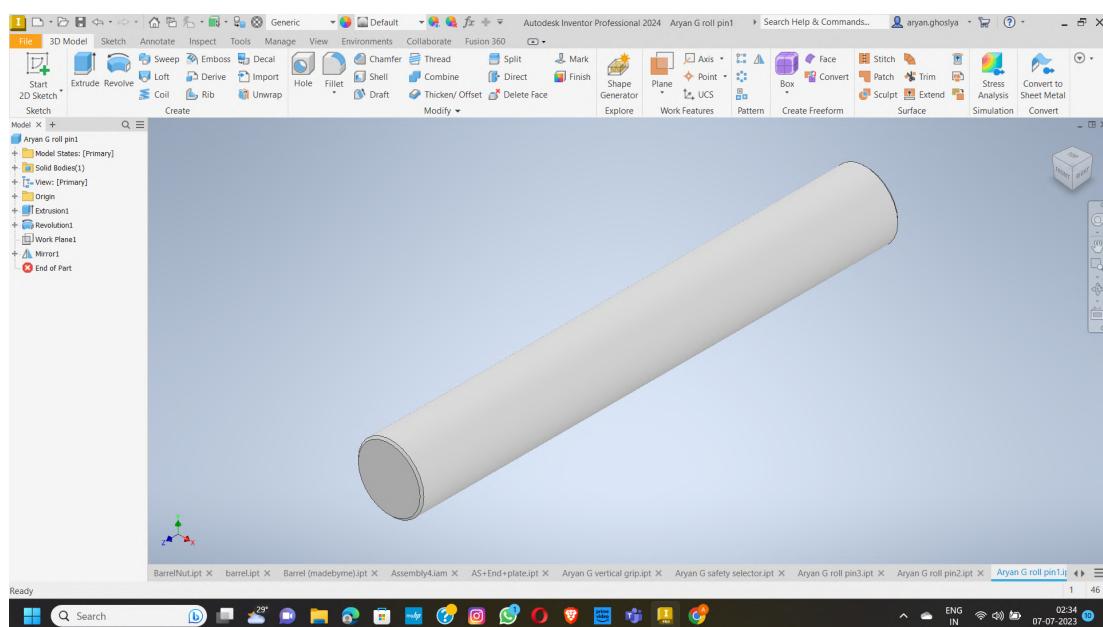
12. Vertical Grip:



13. Charging Pin:

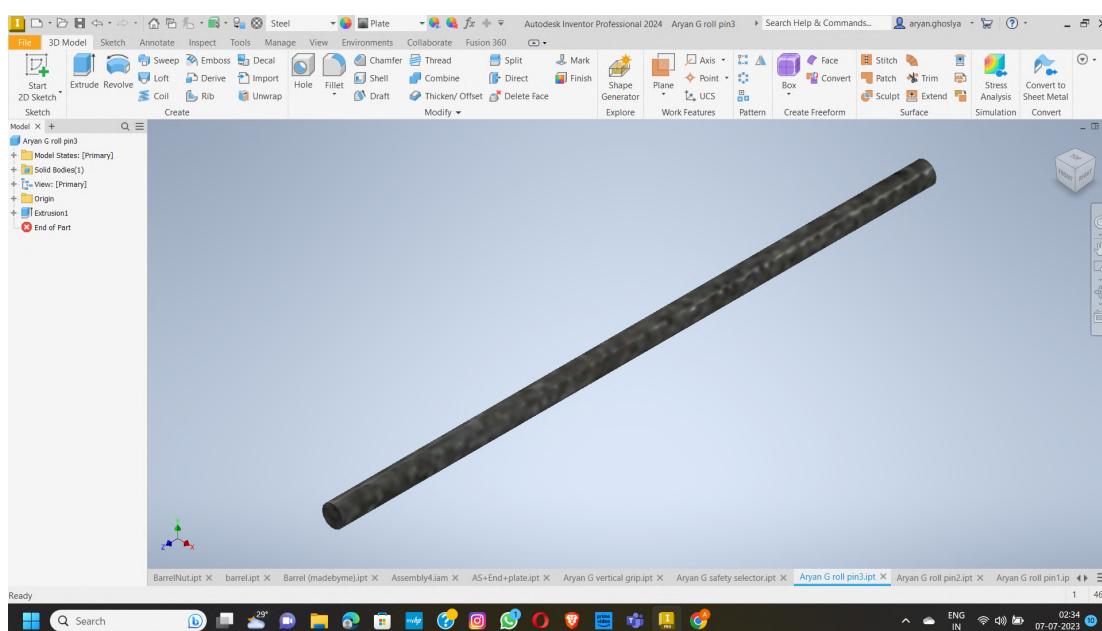
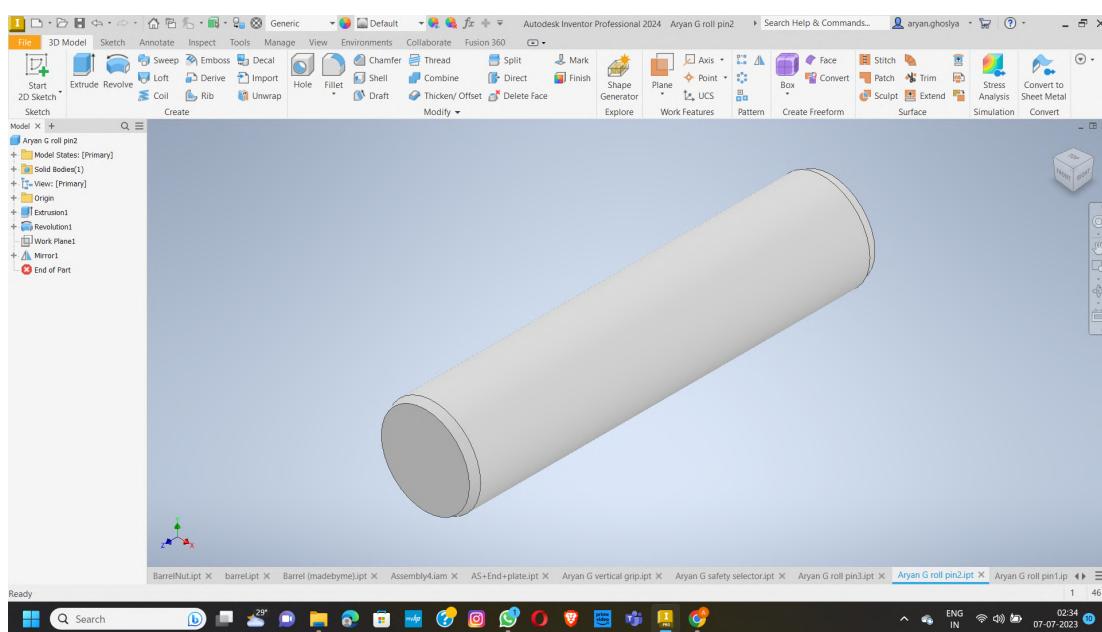


14. Roll Pins:

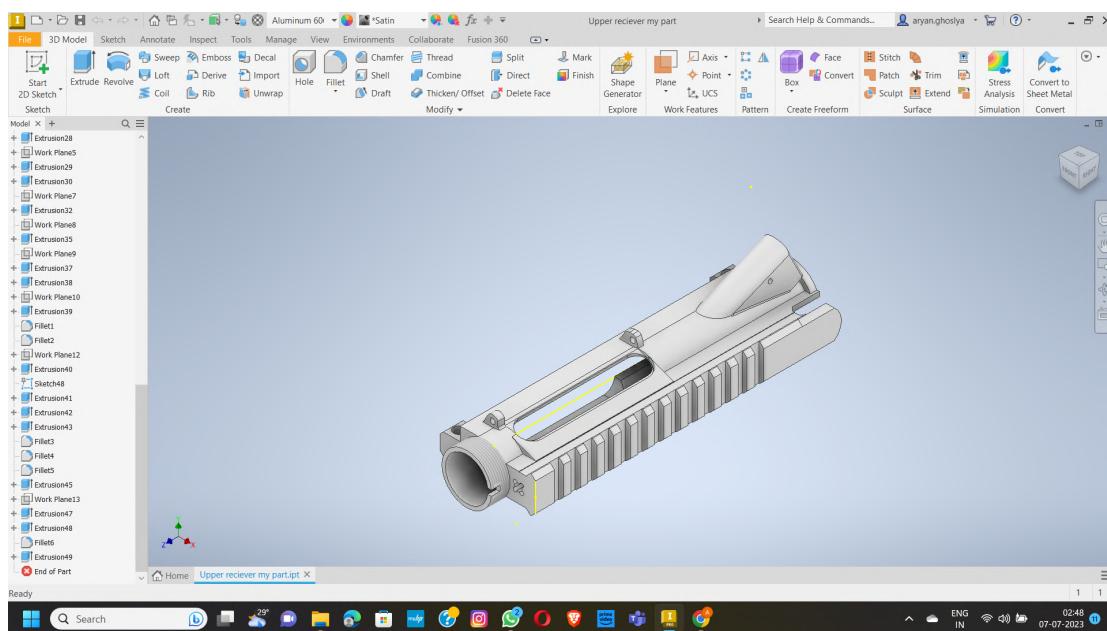


ES101: Engineering Graphics

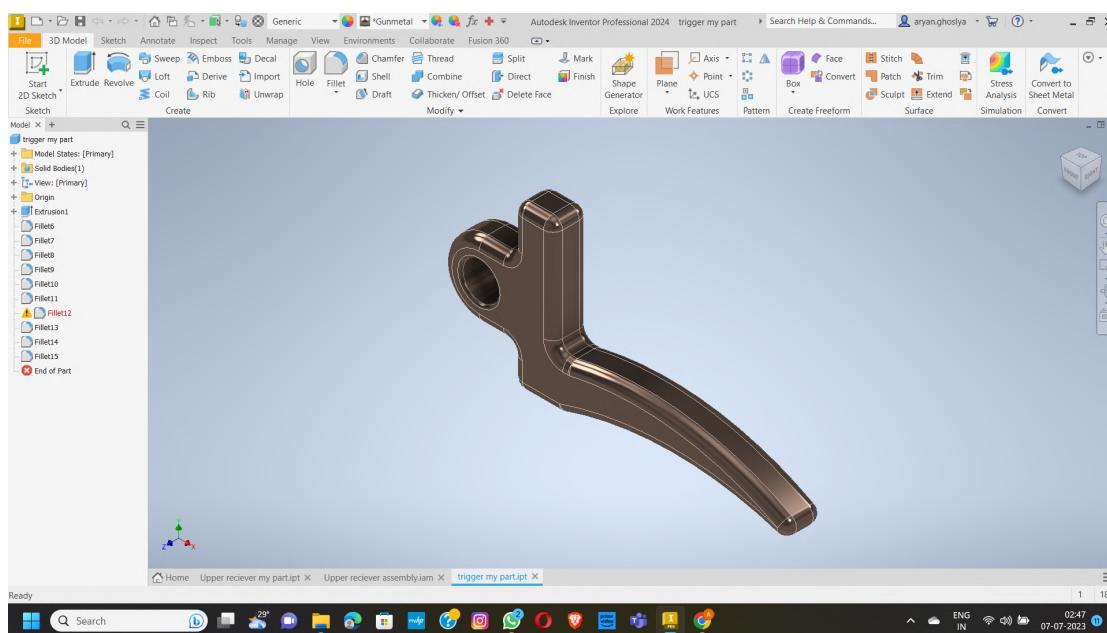
IITGN



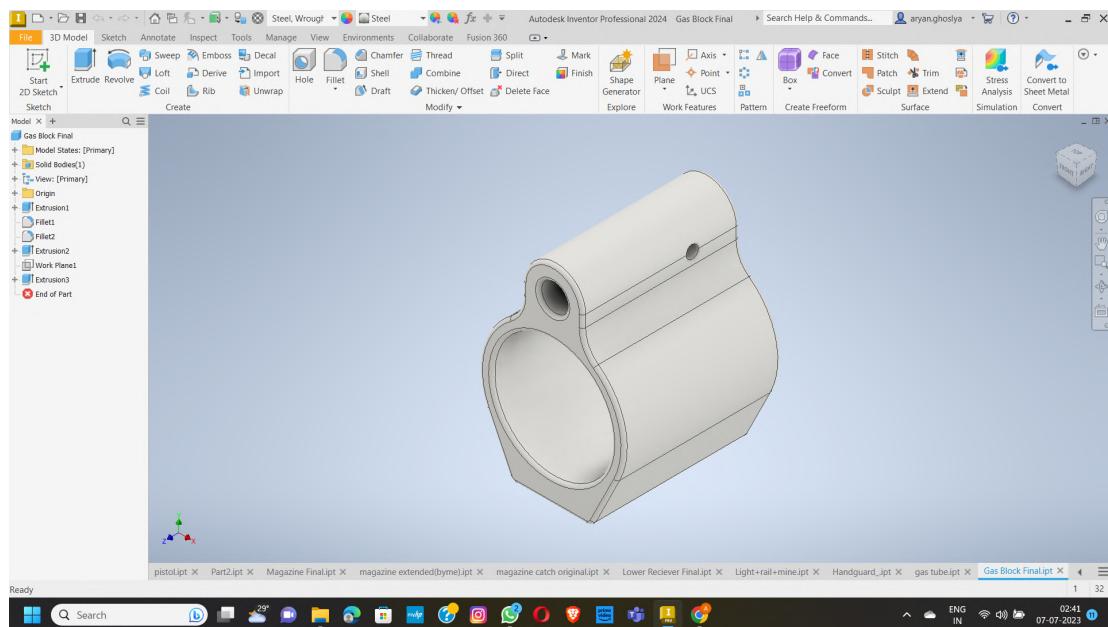
15. Upper Receiver:



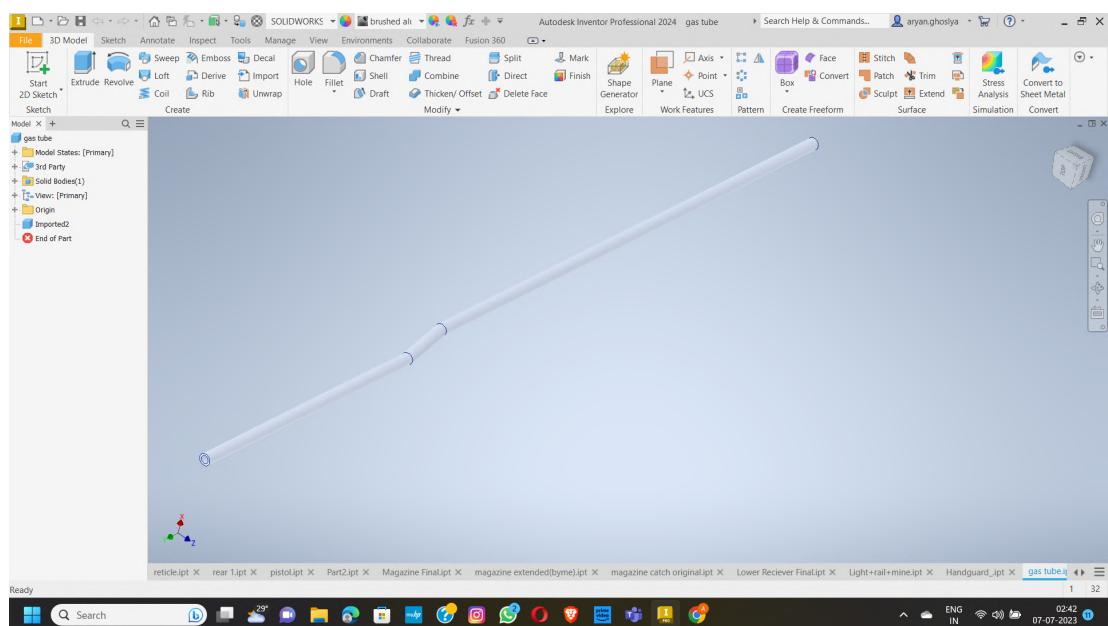
16. Trigger :



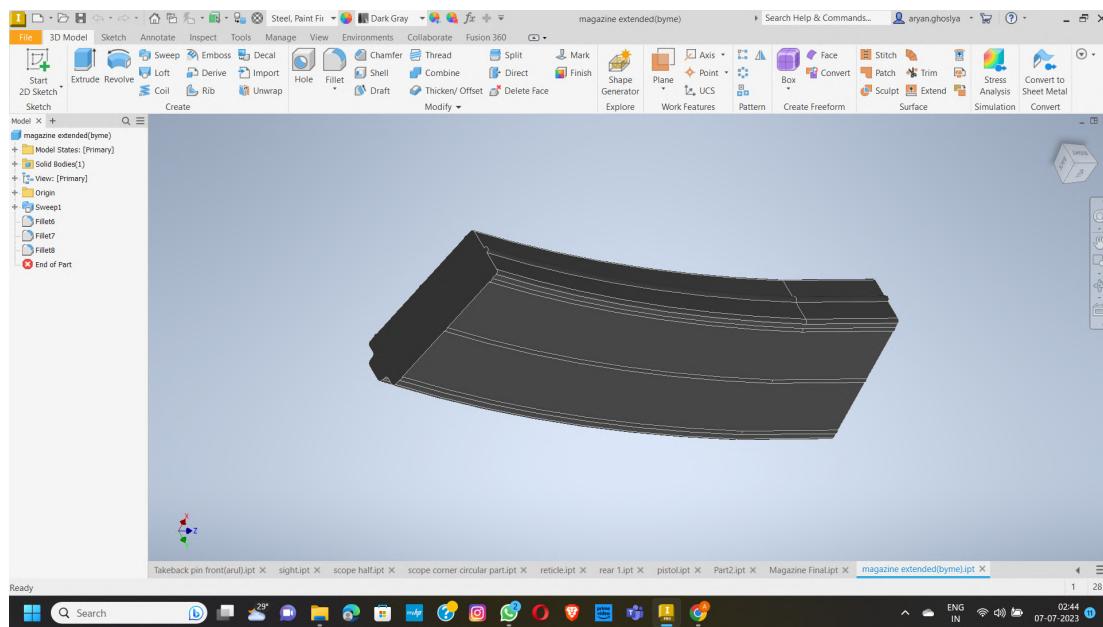
17. Gas Block:



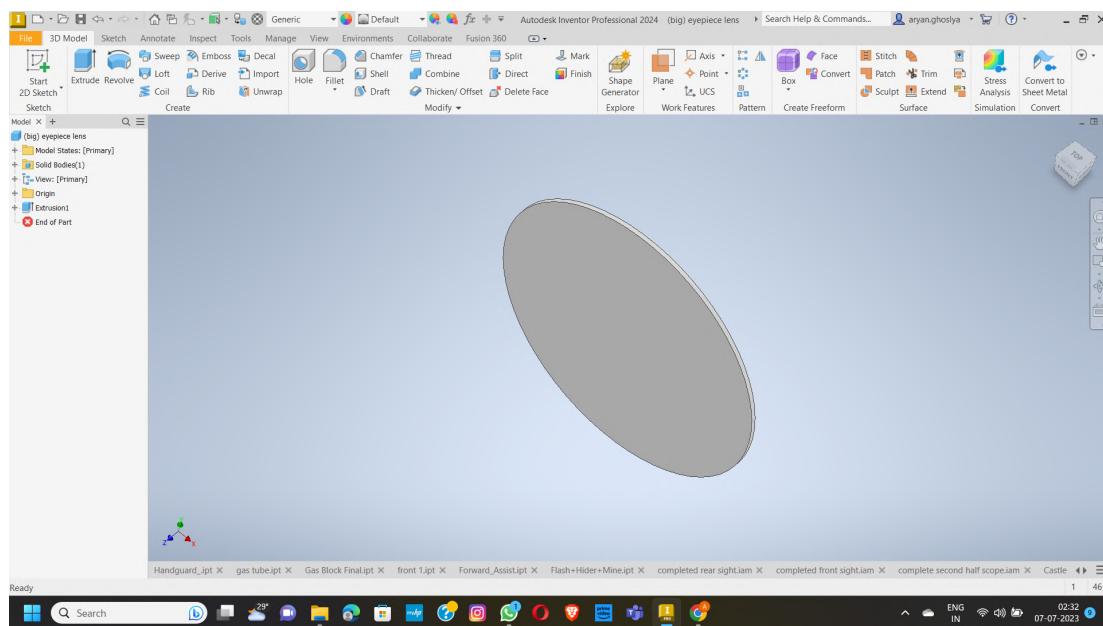
18. Gas Tube:



19. Magazine:

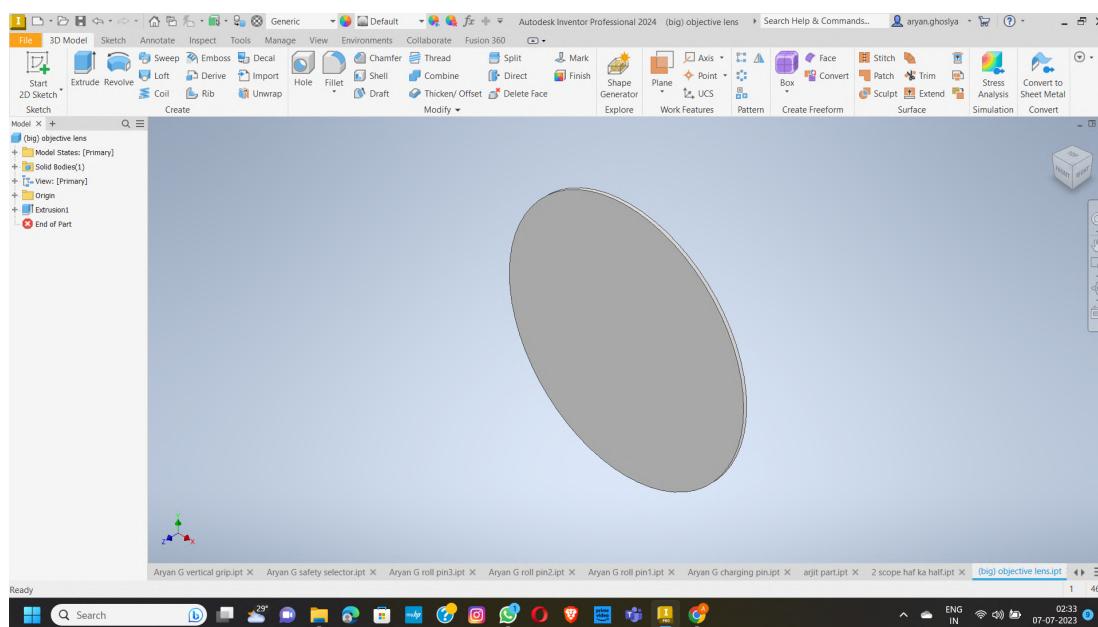
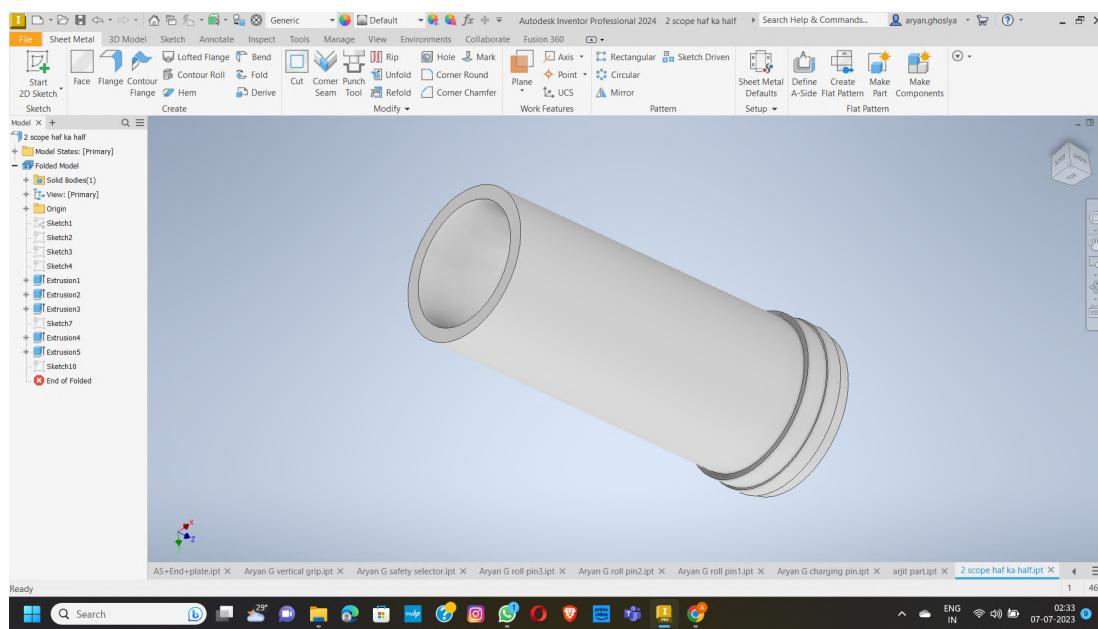


20. Scope and Sights:



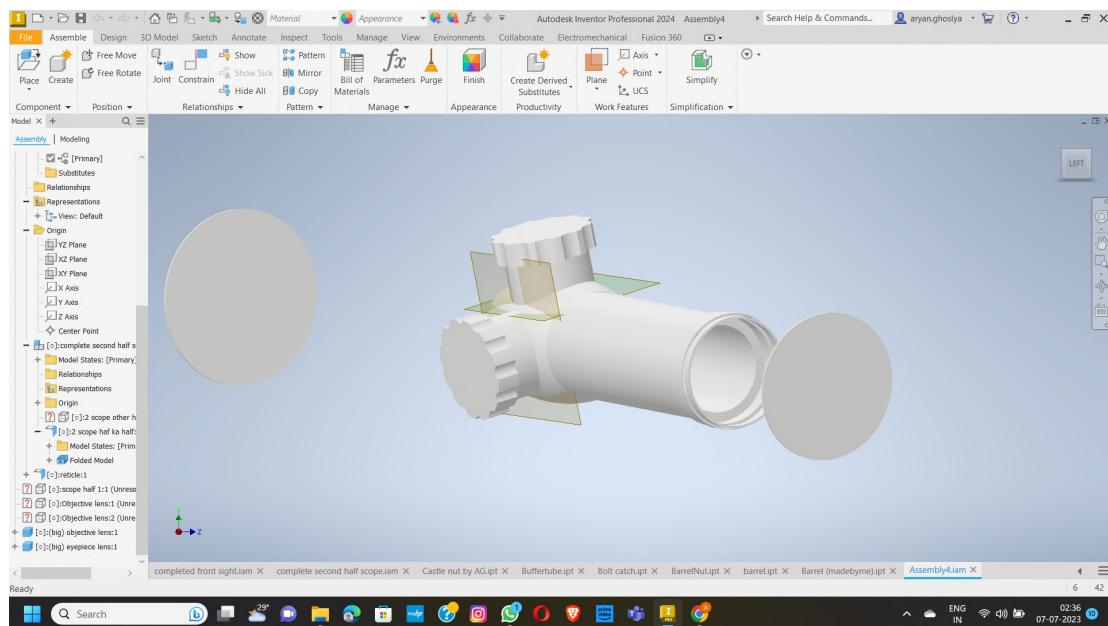
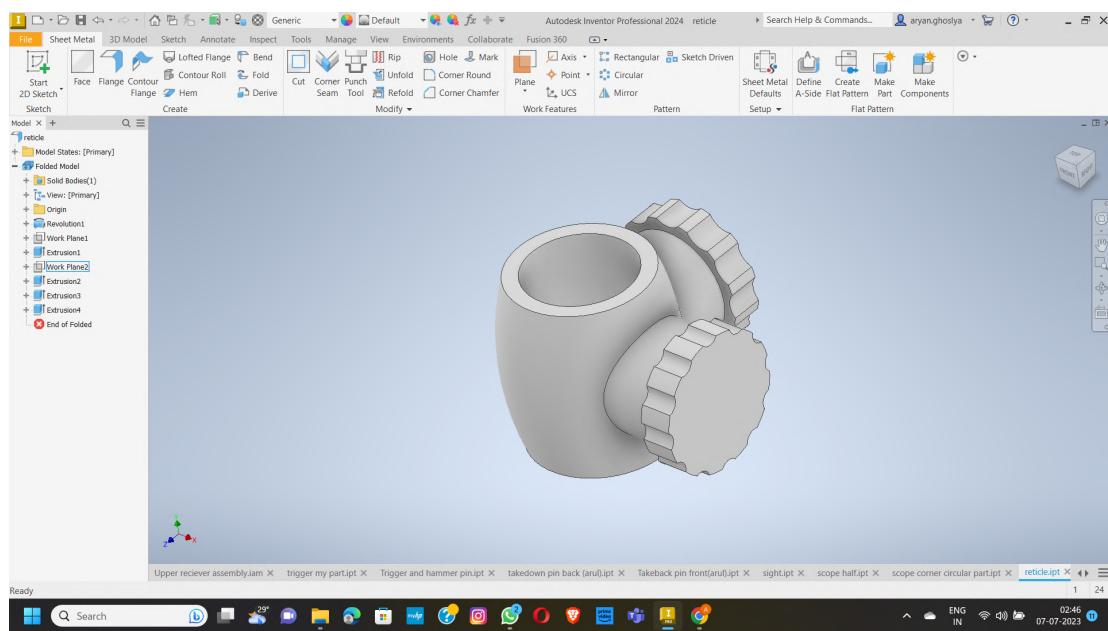
ES101: Engineering Graphics

IITGN

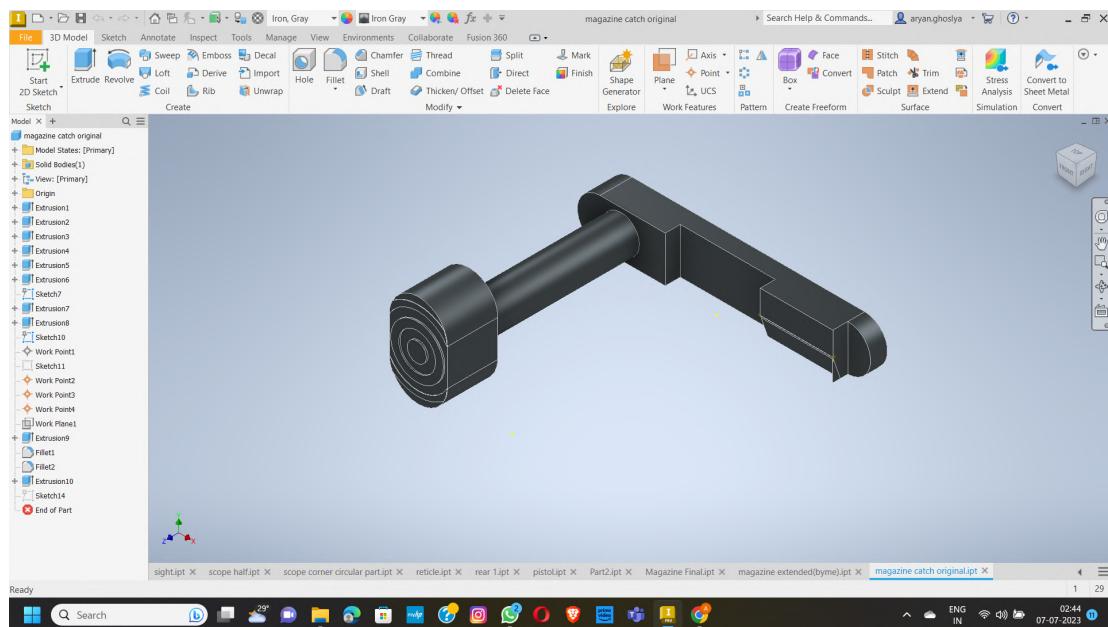


ES101: Engineering Graphics

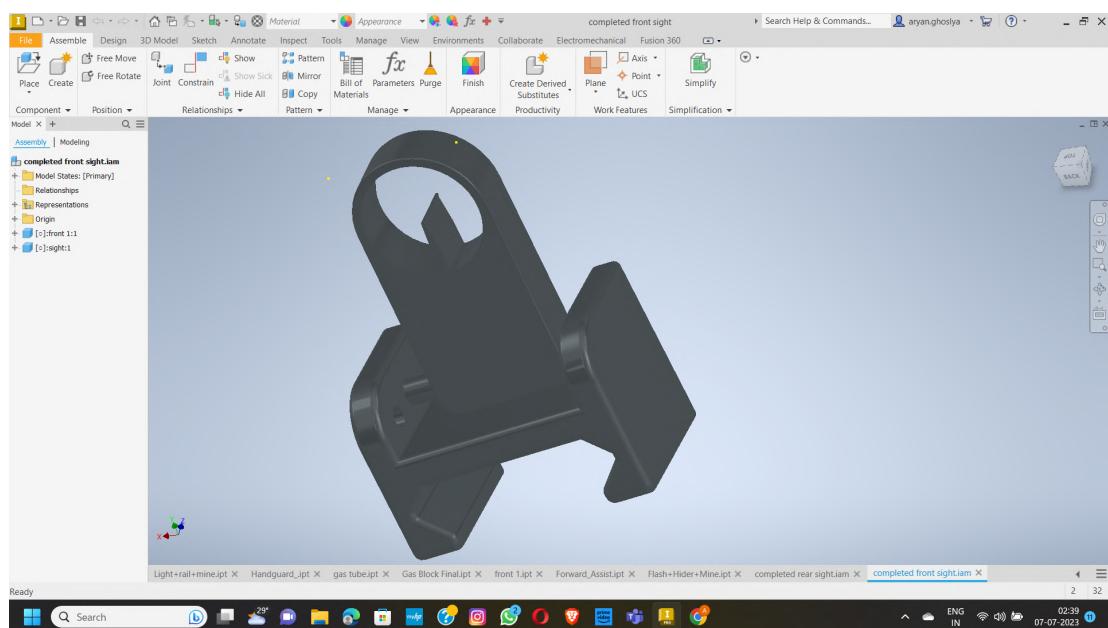
IITGN



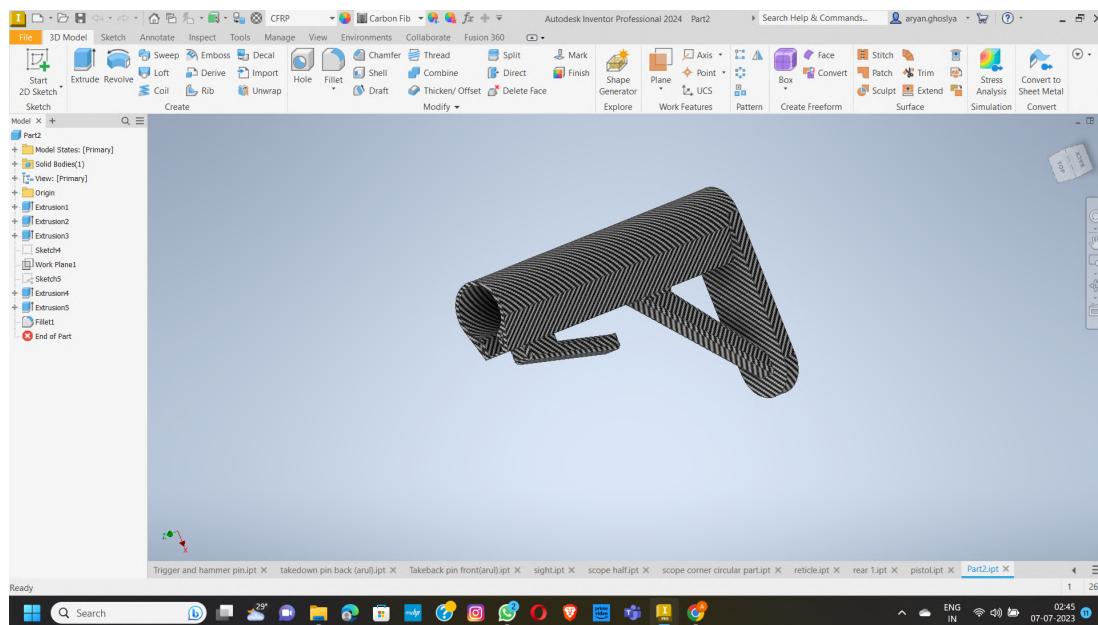
21. Magazine Catch:



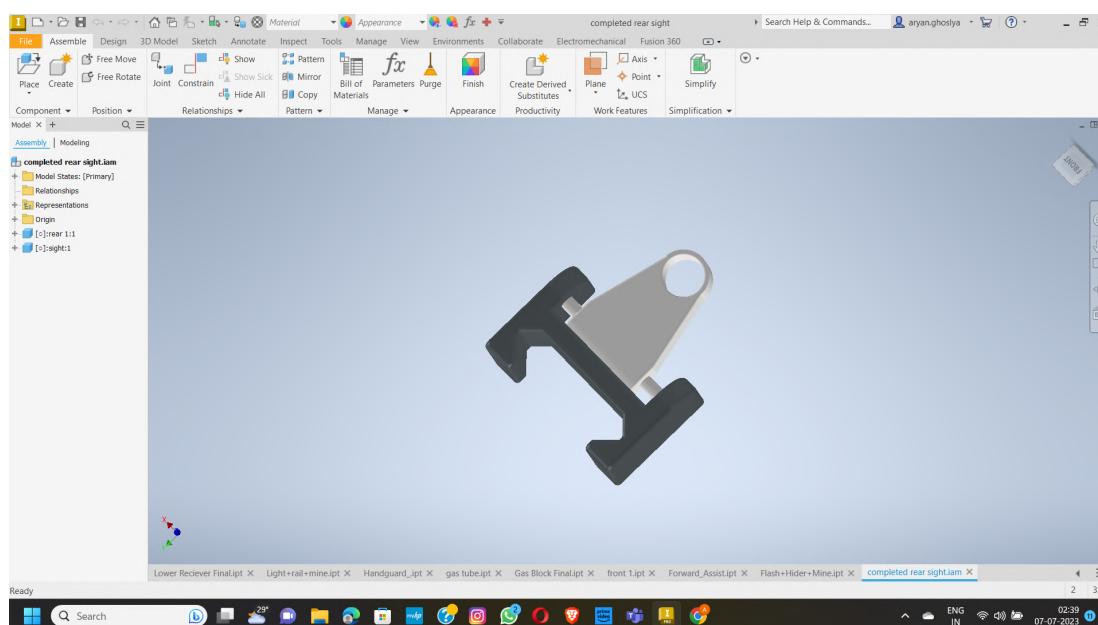
22. Iron Sight:



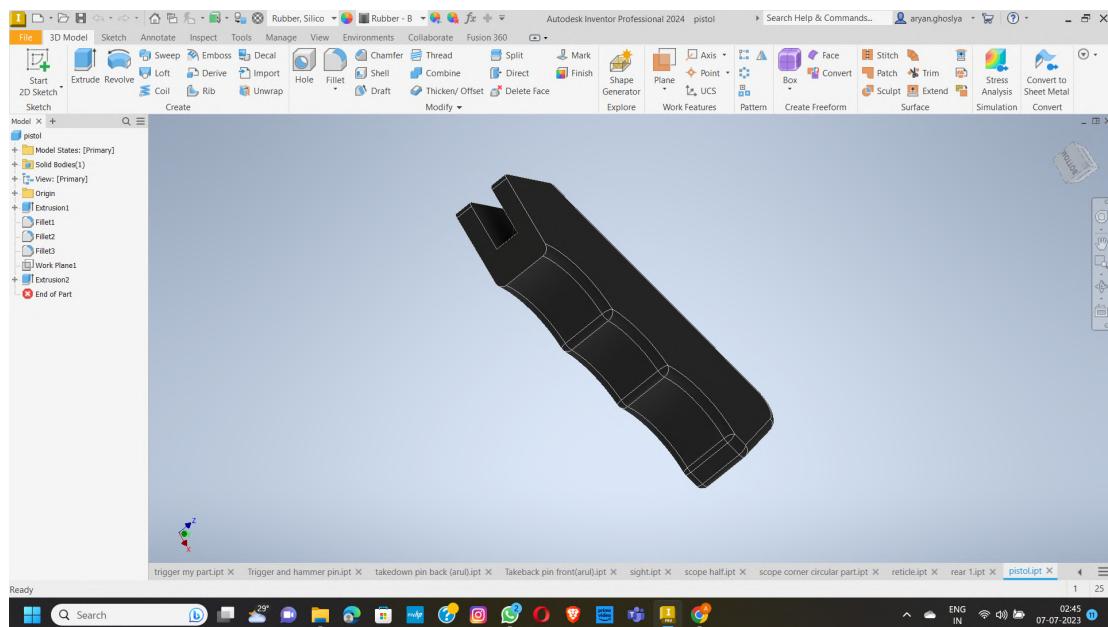
23. Butt Stock:



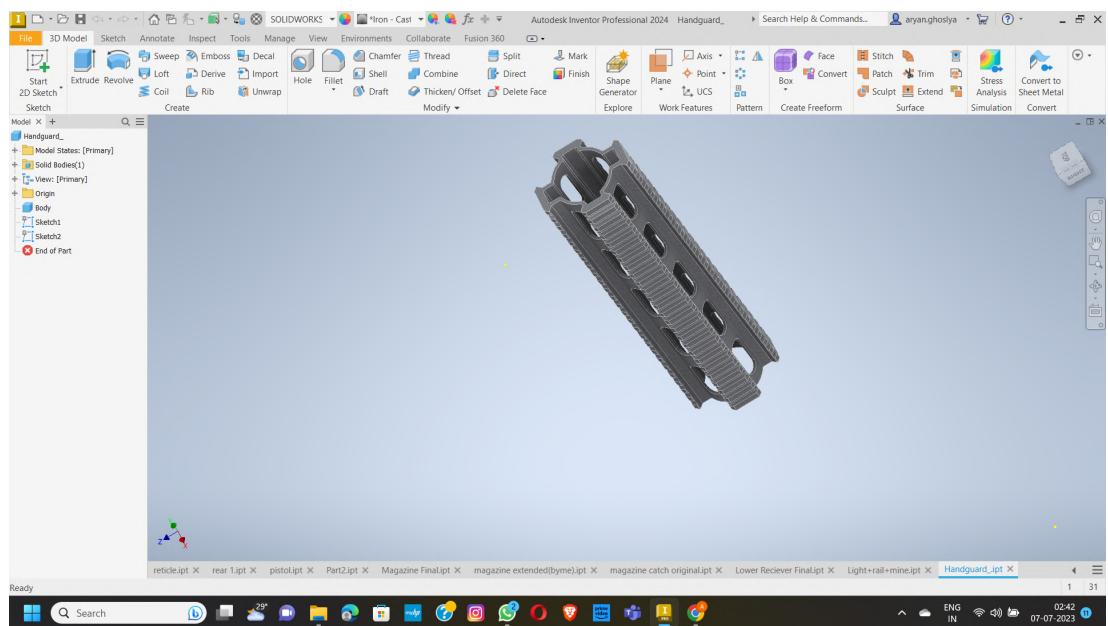
24. Rear Sight:



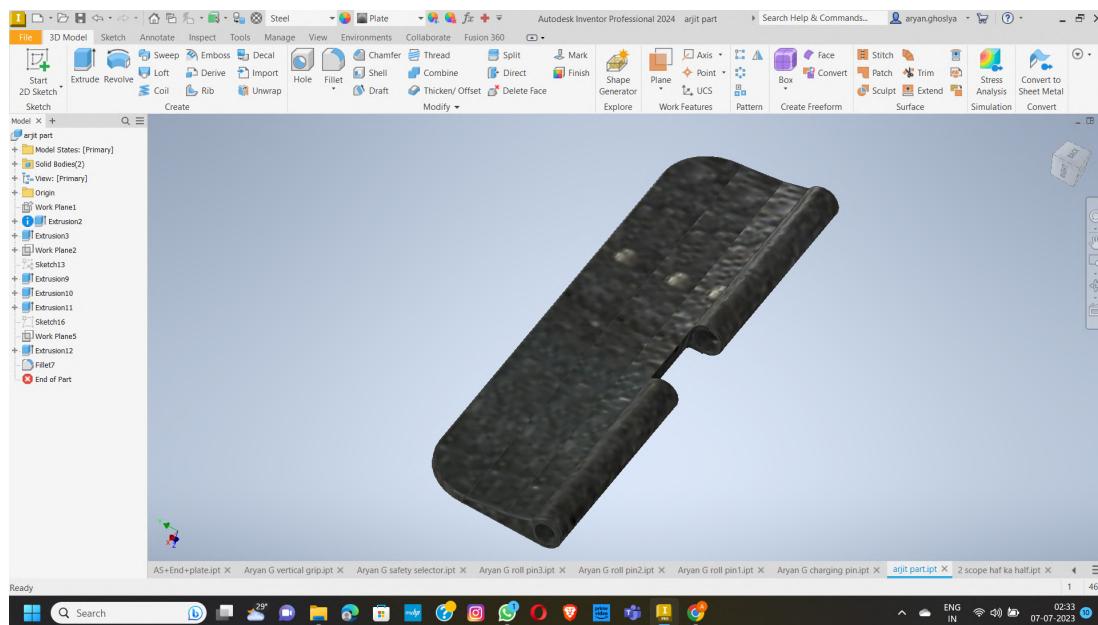
25. Pistol Grip:



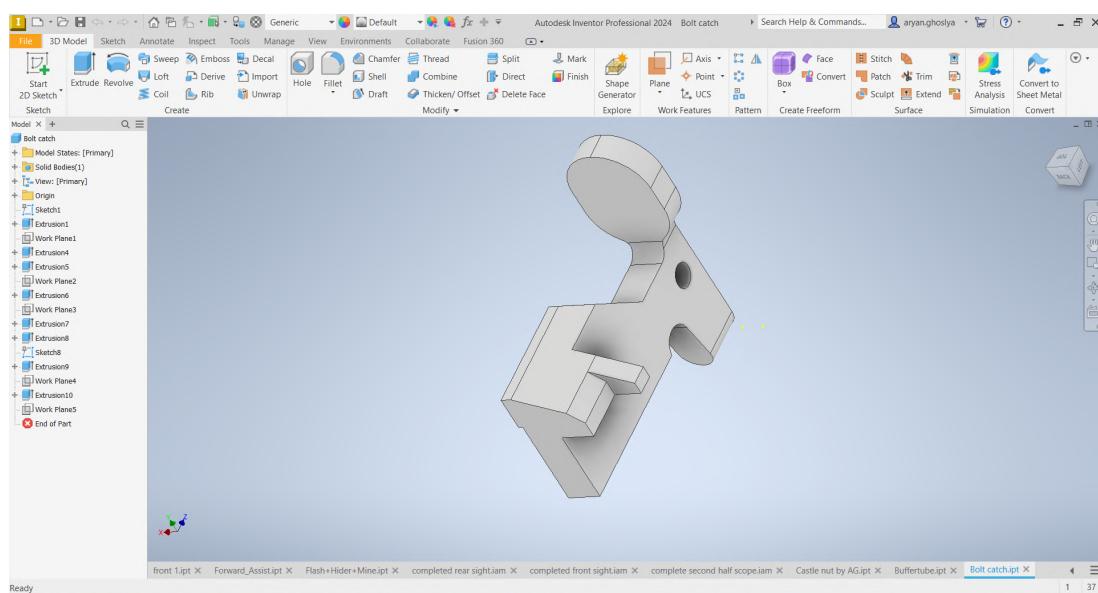
26. Modified Handguard:



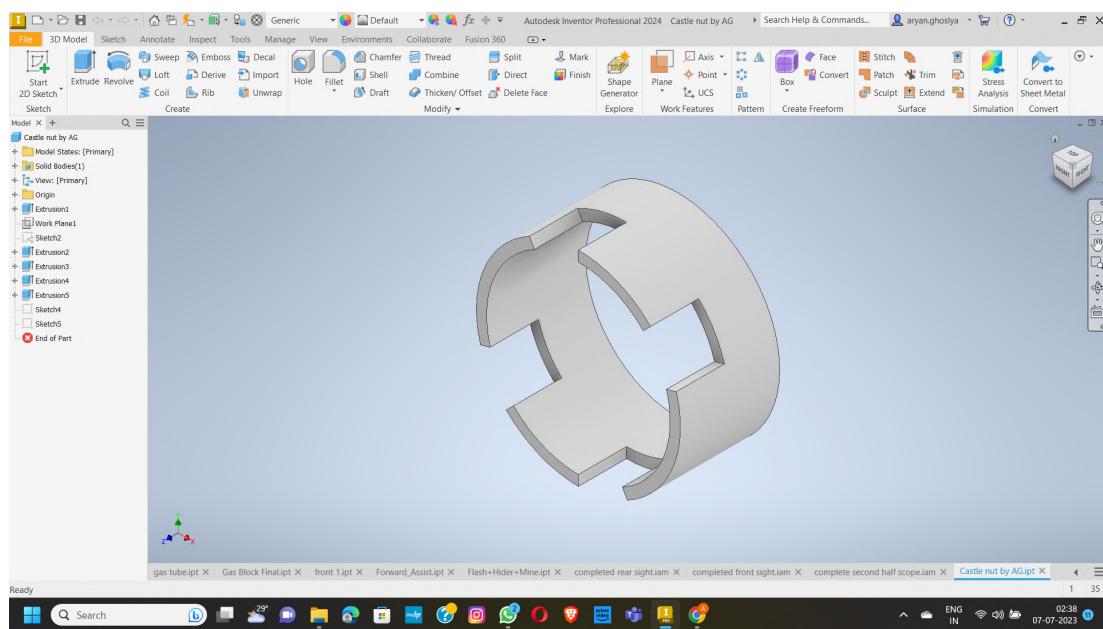
27. Ejection Cover:



28. Bolt Catch:

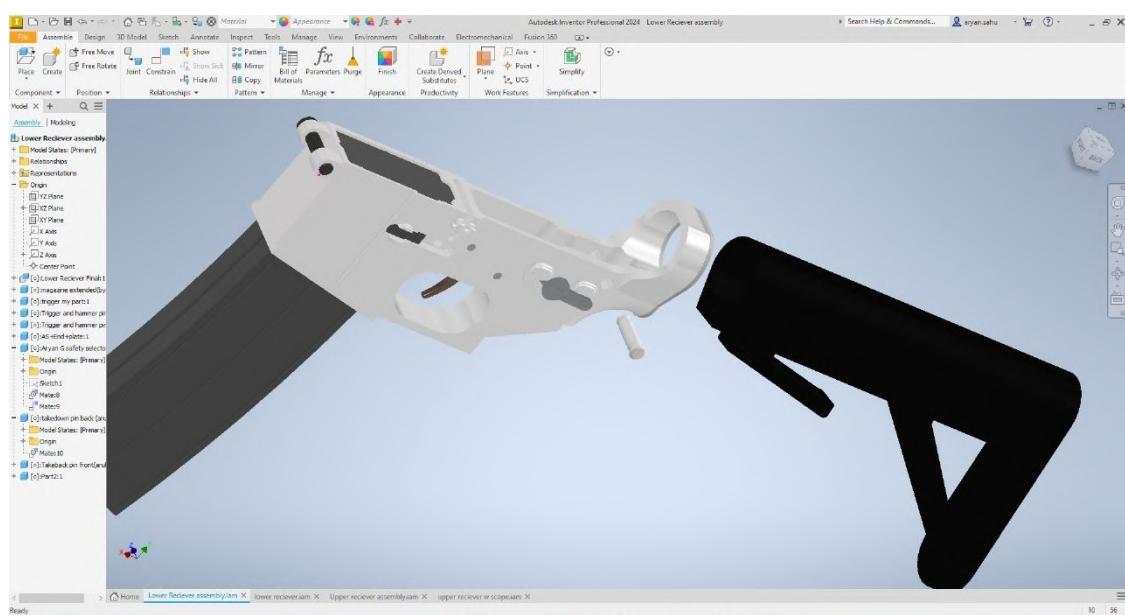


29. Barrel Extension and Castle Nut:



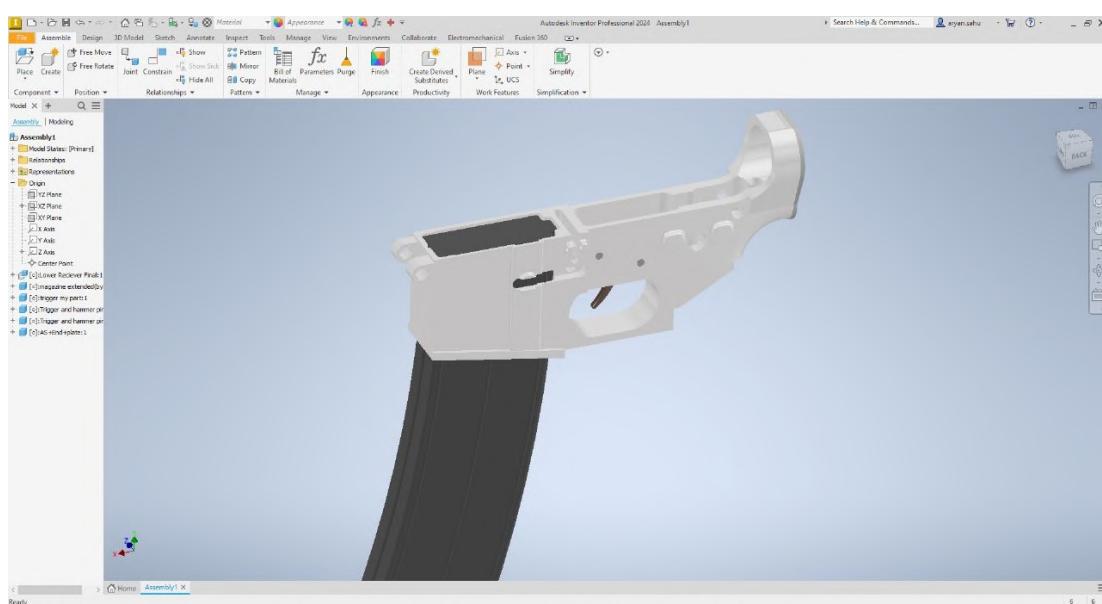
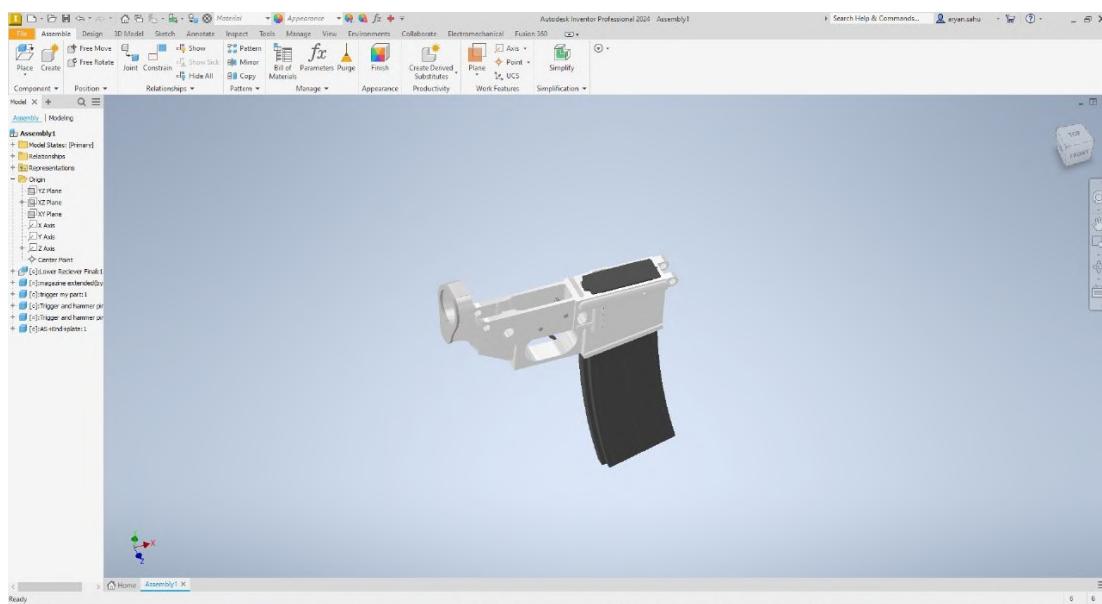
Assembly:

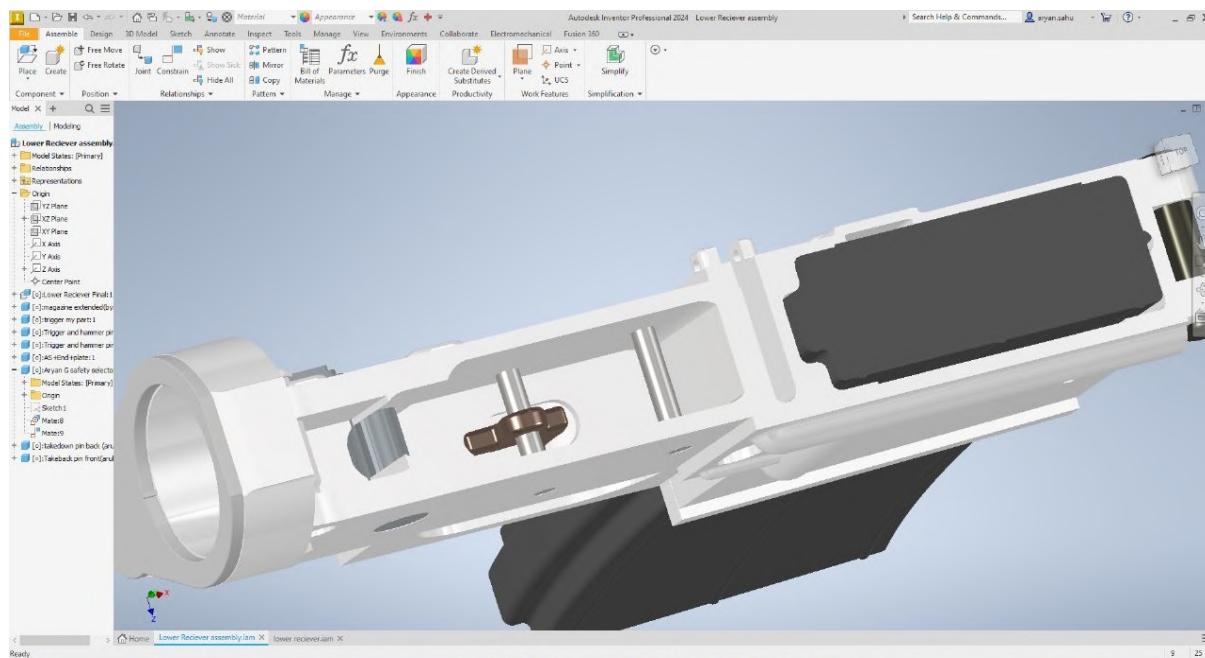
A. Lower Receiver:



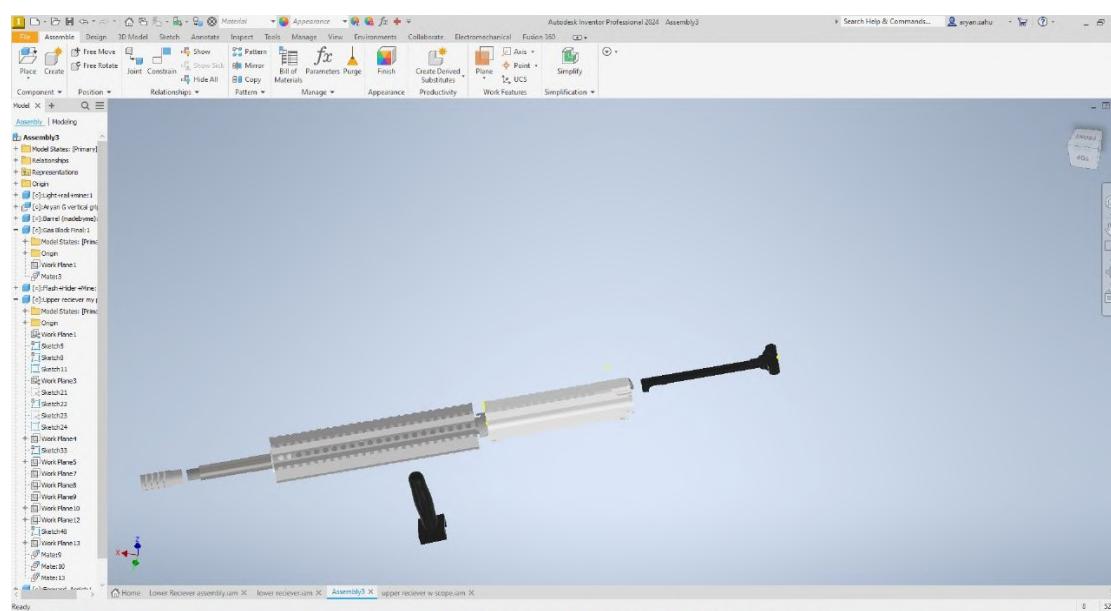
ES101: Engineering Graphics

IITGN



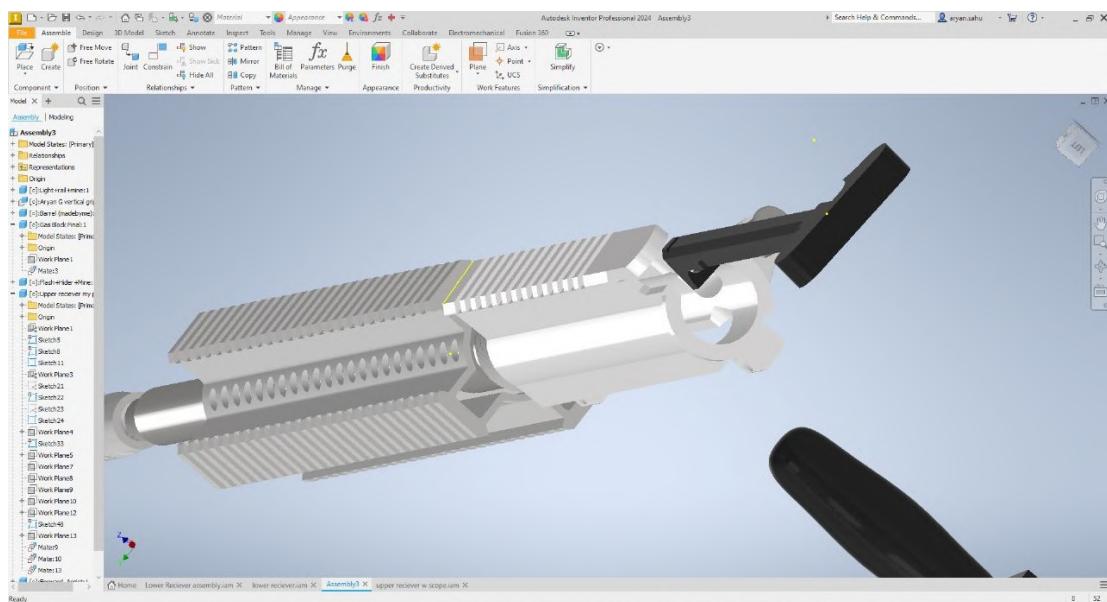
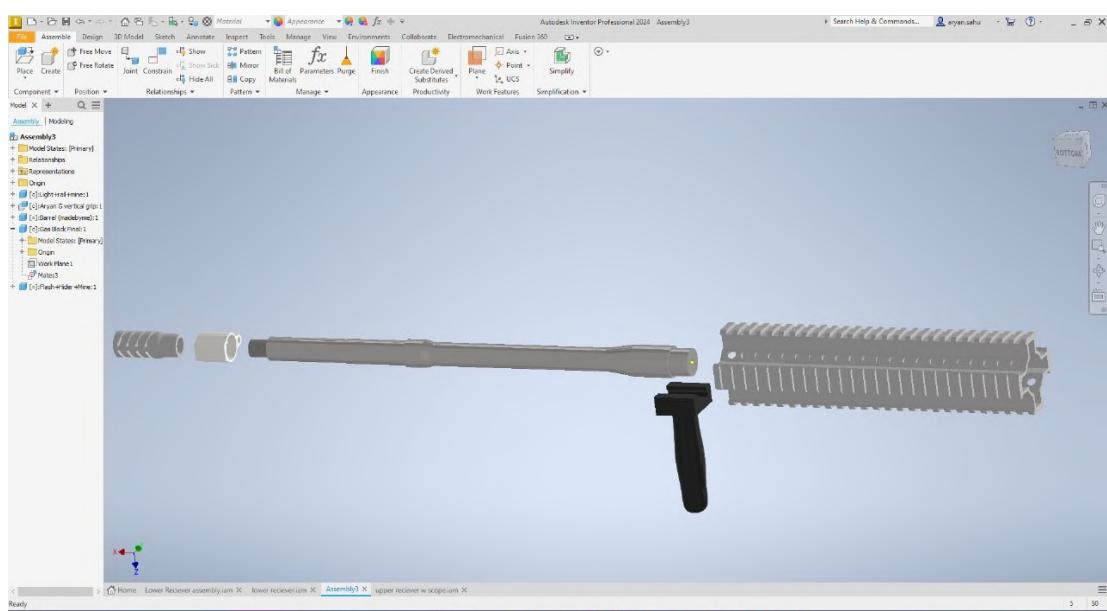


B. Upper Receiver:

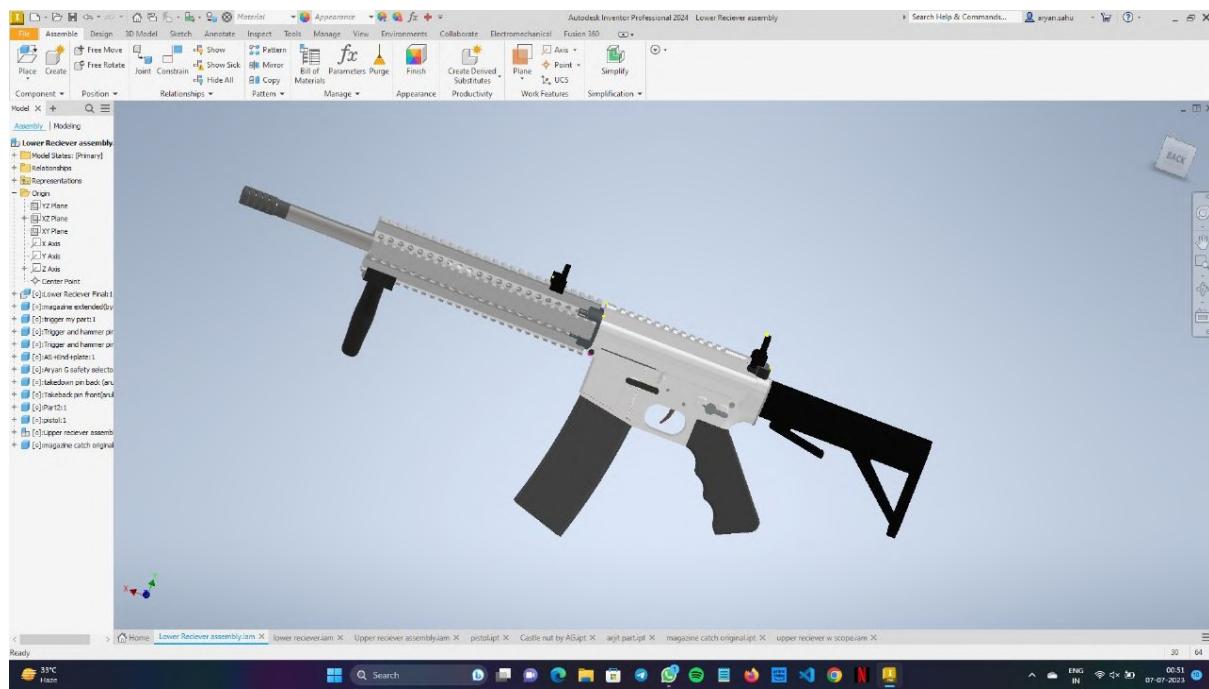
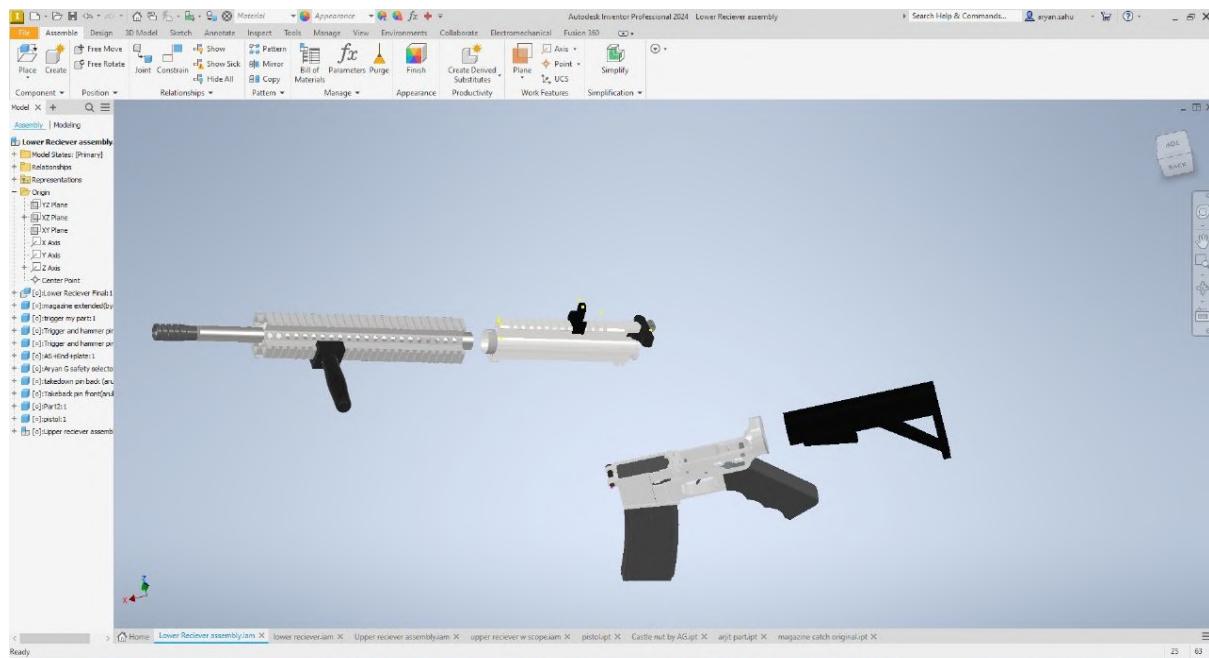


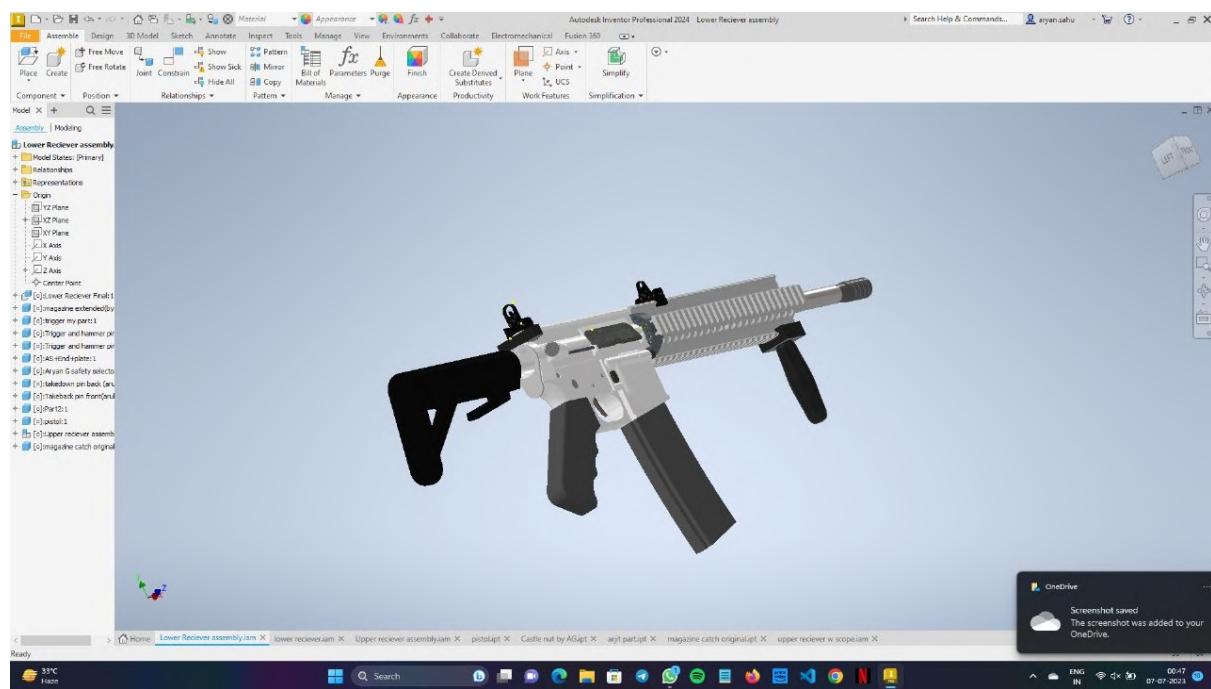
ES101: Engineering Graphics

IITGN



Final Assembly:





Rendered Images:





