



FAKULTÄT FÜR  
MASCHINENBAU

# TOPOLOGY OPTIMISATION OF MONITOR WALL MOUNTING

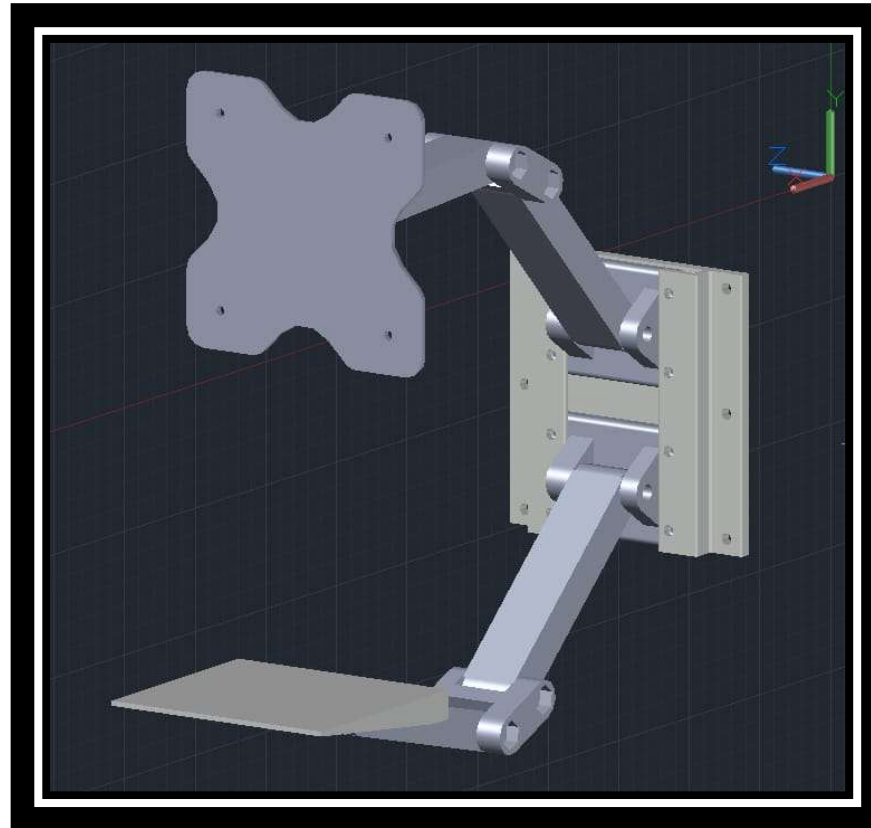
## OPTIMISATION OF PARTS

NITHIN KANIKYASWAMY– 244669

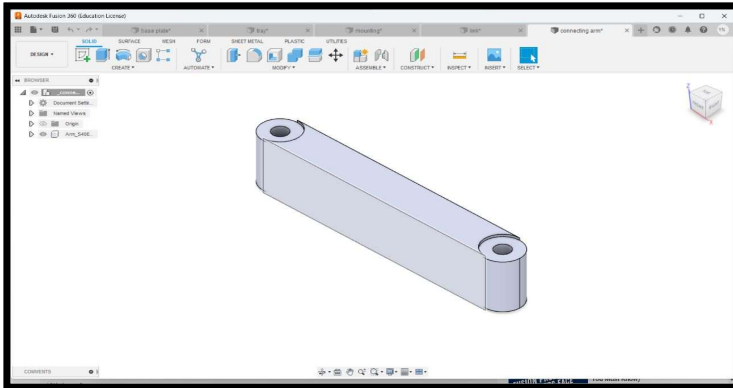
21-01-2023

Winter Semester 2022/23

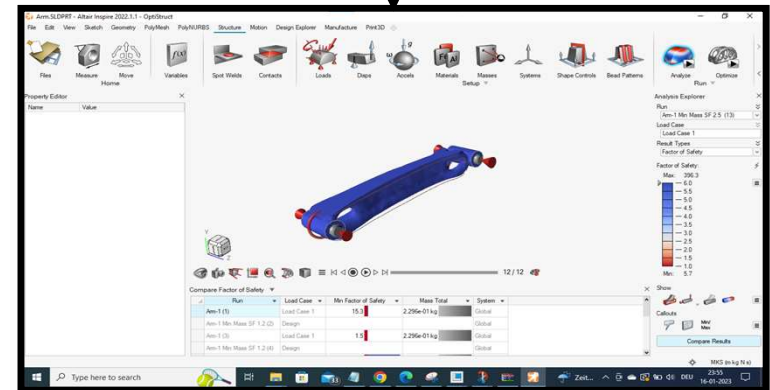
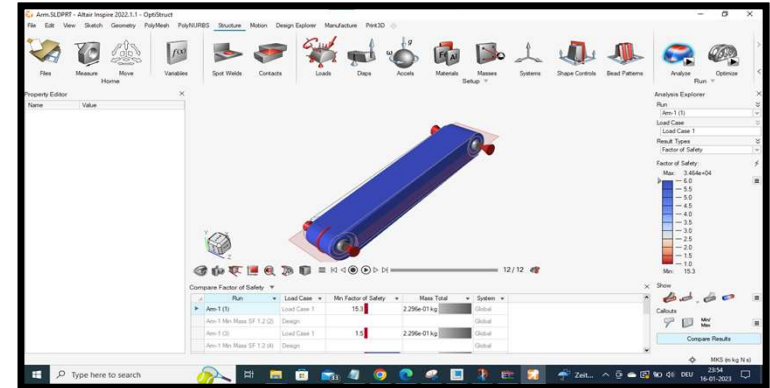
# ASSEMBLY IMAGE



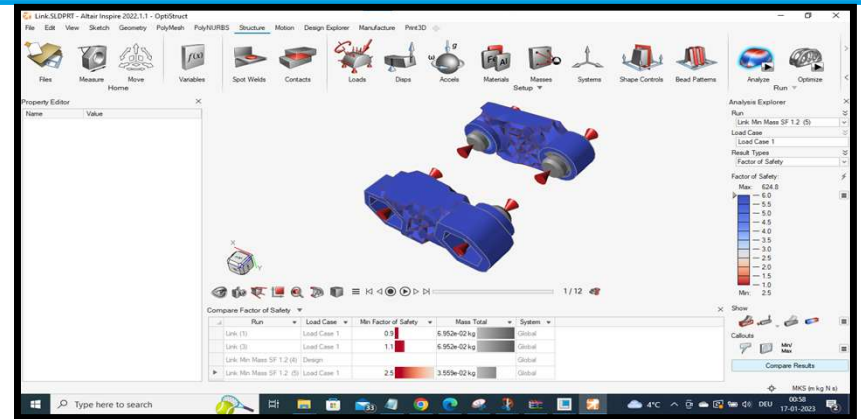
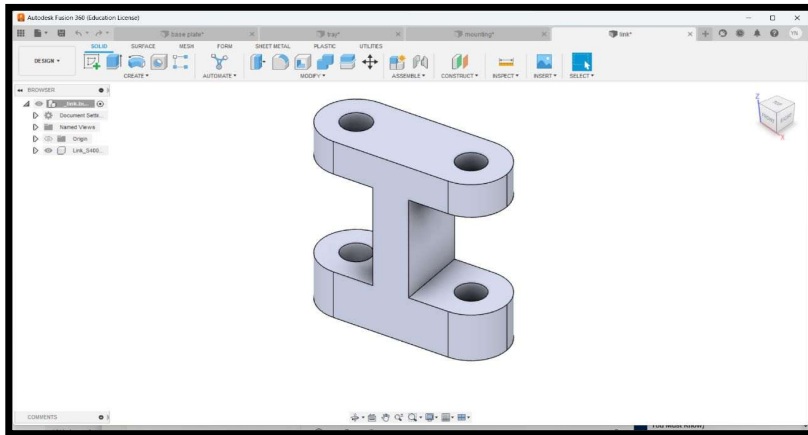
# ARM'S TOPOLOGY OPTIMISATION



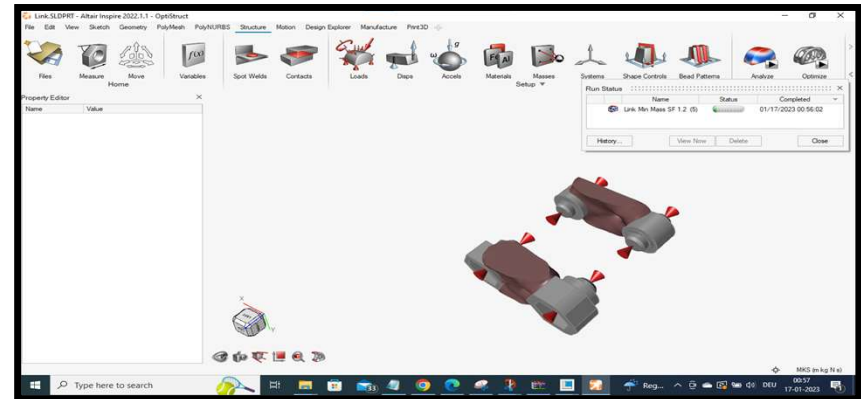
Material Type : Aluminium 2024 Result  
After optimization: Decrease in mass by **65.16%**.  
Initial Weight:  
Final Weight:



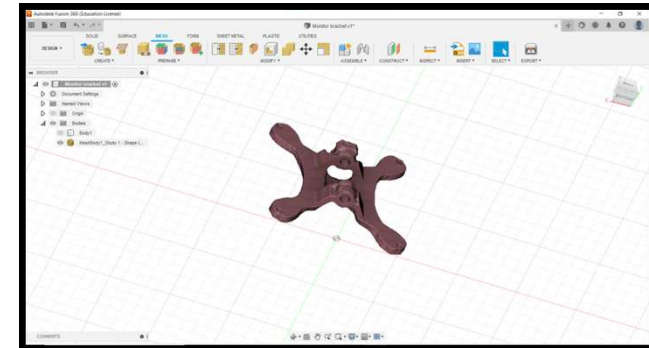
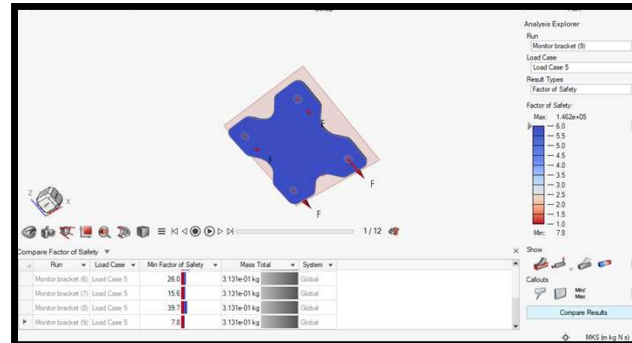
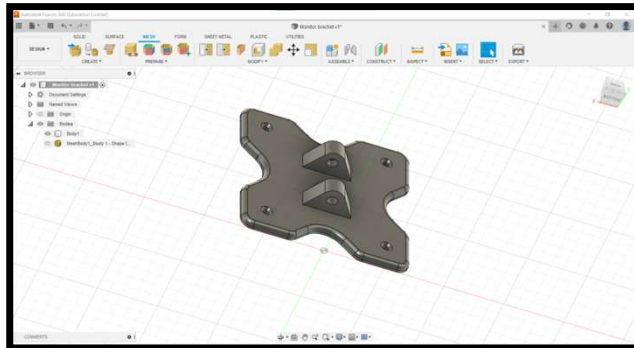
# LINK'S TOPOLOGY OPTIMISATION



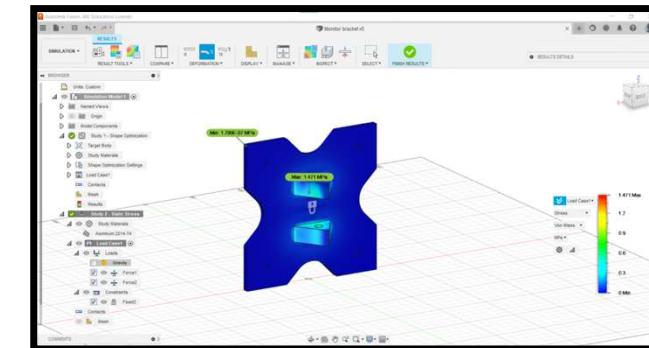
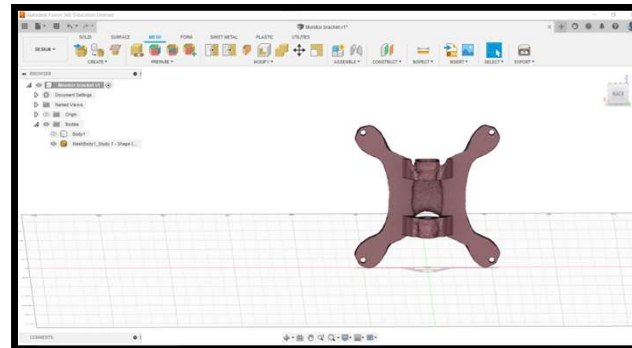
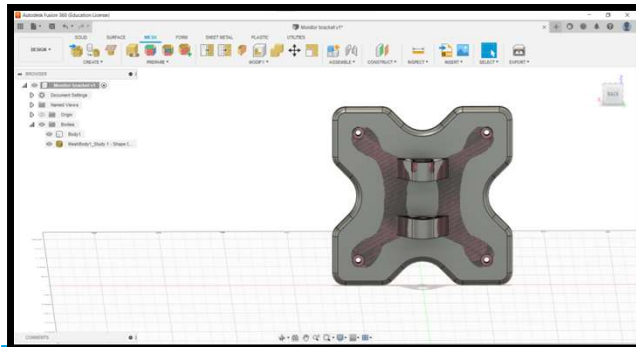
Material : Aluminium 2024 T3  
Result After optimization: Decrease in mass by **48.92%**  
Initial Weight:  
Final Weight:



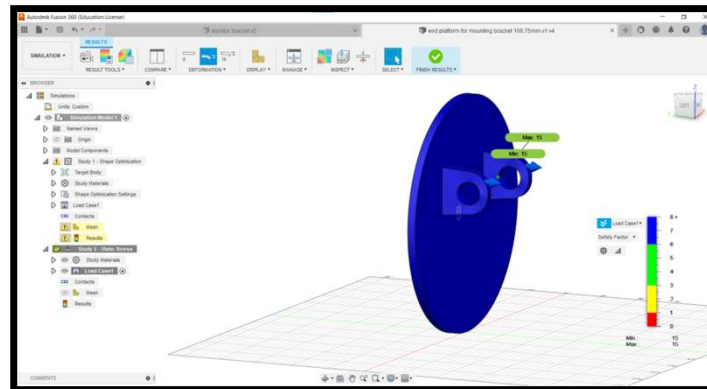
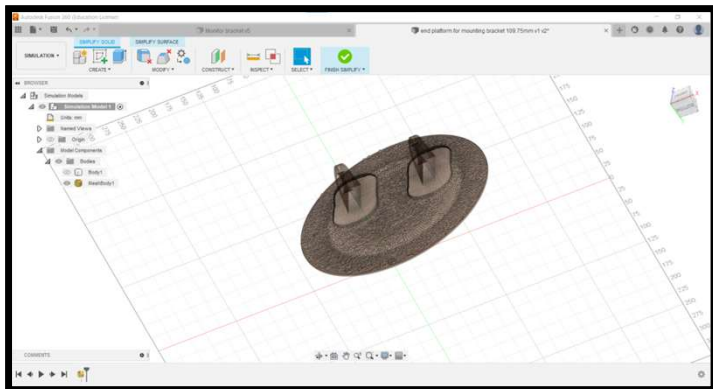
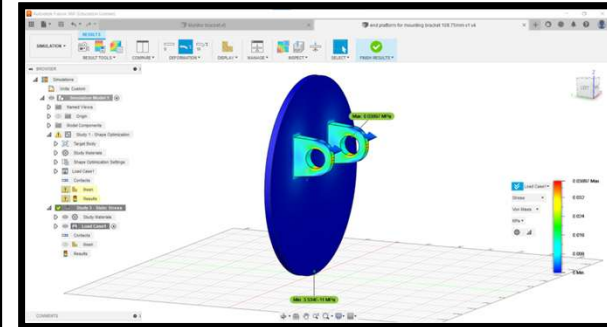
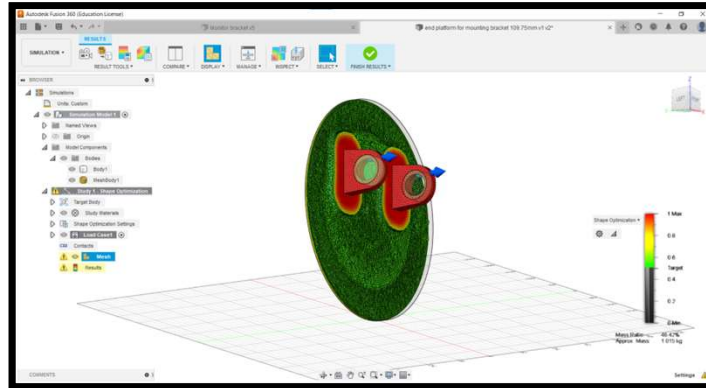
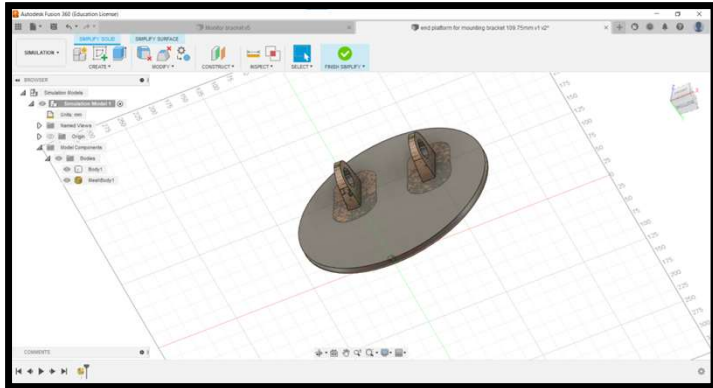
# MOUNTING BRACKET TOPOLOGY OPTIMISATION



Material : Aluminium 2024 T3  
Result After optimization:  
Initial Weight:  
Final Weight:

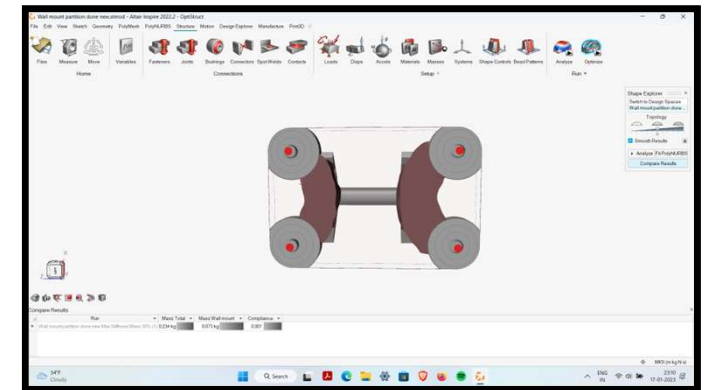
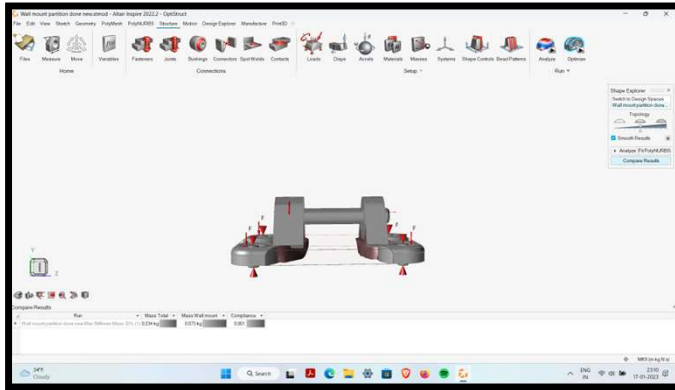


# END PLATFORM TOPOLOGY OPTIMISATION

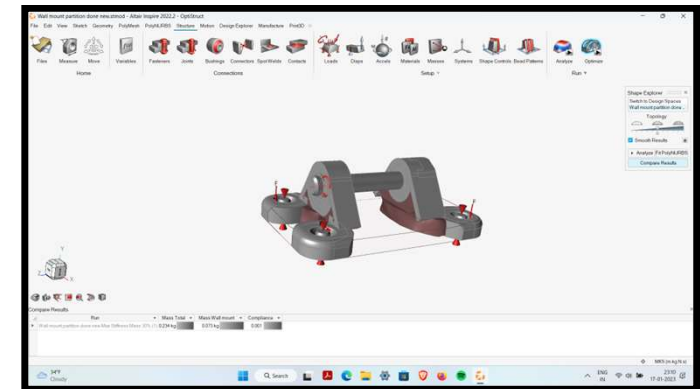
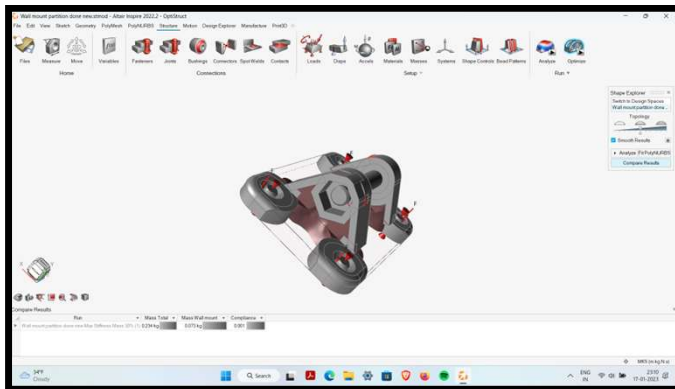


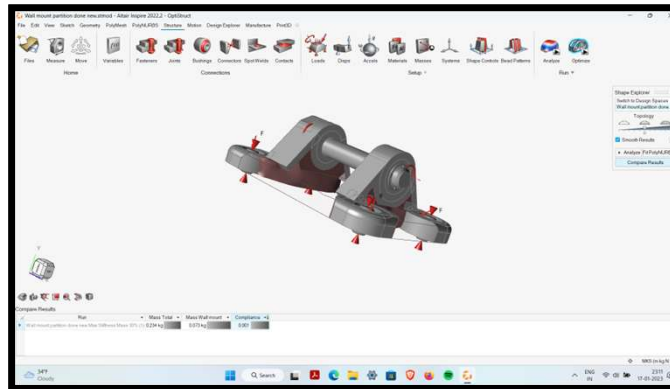
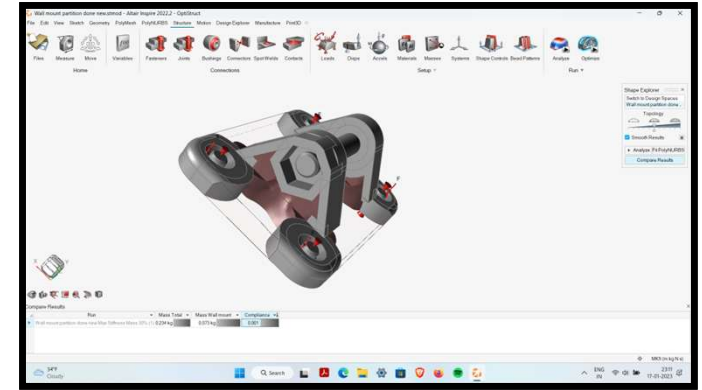
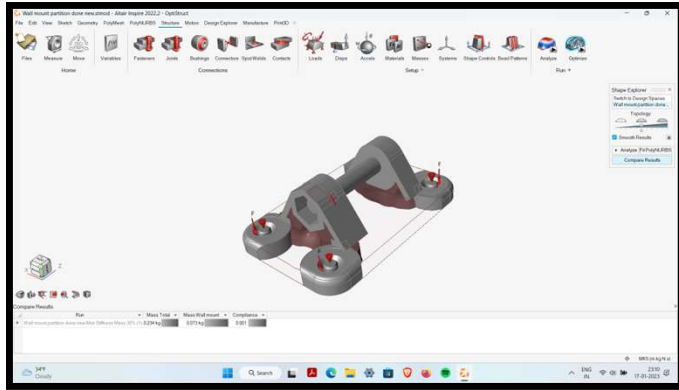
Material : Aluminium 2024 T3  
Result After optimization:  
Initial Weight:  
Final Weight:





Material : Aluminium 2024  
T3  
Result After optimization:  
Initial Weight:  
Final Weight:







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DANK E

*Schön*