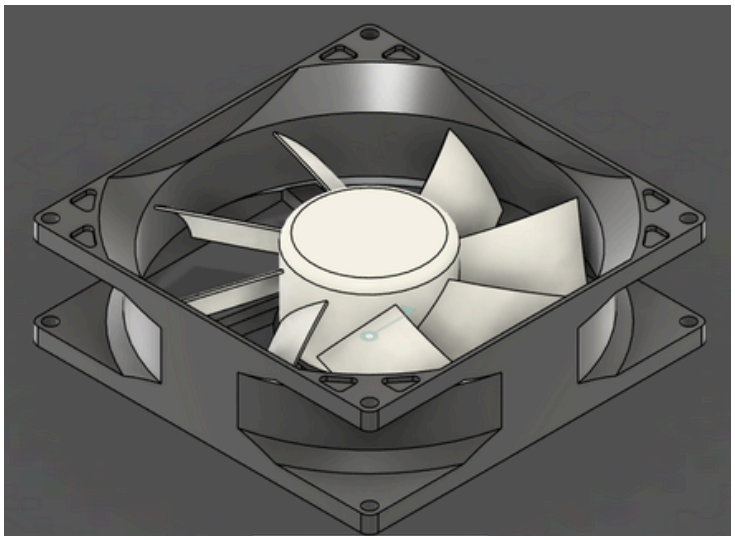
DESIGN AND FABRICATION OF CPU FAN AND CASE USING FUSION 360

Mini Project by Bharanikumar Arunagiri



PROJECT OVERVIEW

This mini project involved designing and 3D printing a custom CPU fan and protective case using Autodesk Fusion 360. The primary goal was to develop a compact, thermally efficient design suitable for personal computing devices. The model was sliced in Ultimaker Cura and fabricated using FDM 3D printing. Although the model was not motor-tested, the project demonstrates skills in CAD design, 3D printing preparation, and physical prototyping.

SOFTWARE	PURPOSE
Fusion 360	3D design & drafting
cura	Slicing for 3D printing
3D Printer	Fabrication

Design Showcase

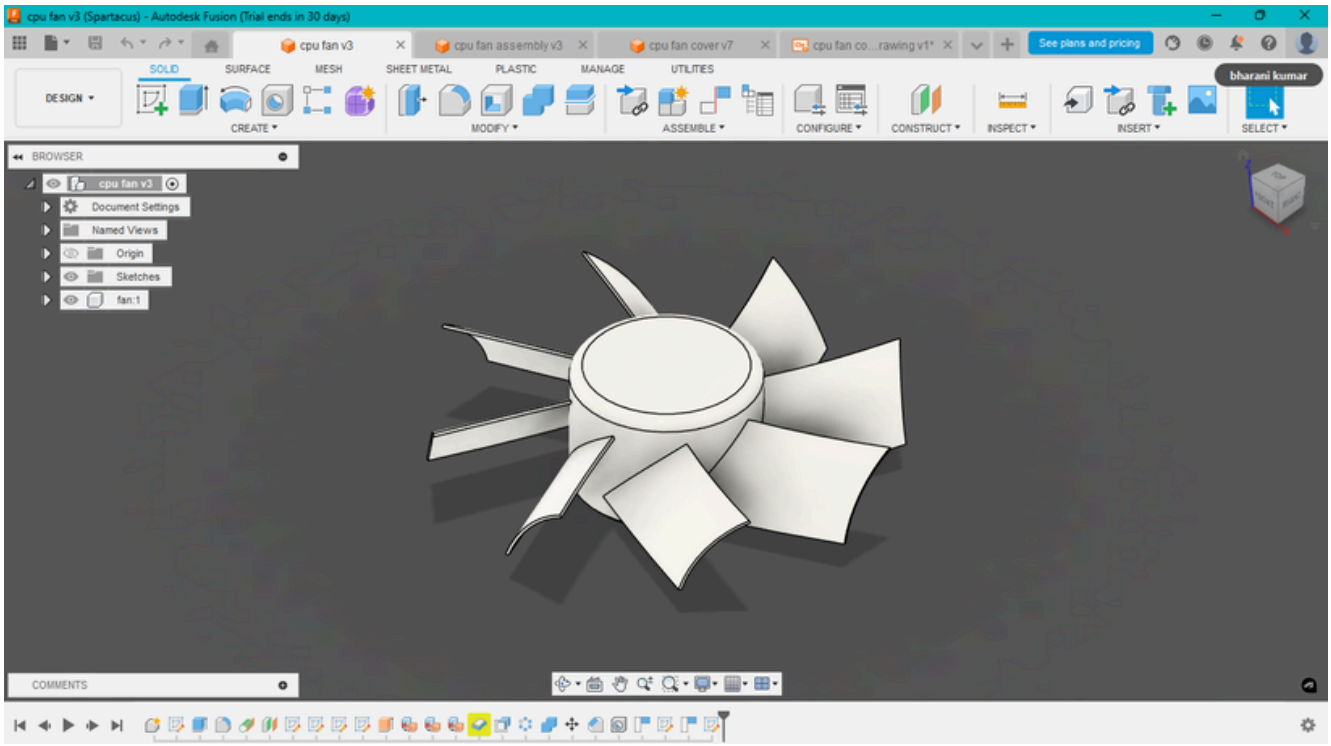


figure 1

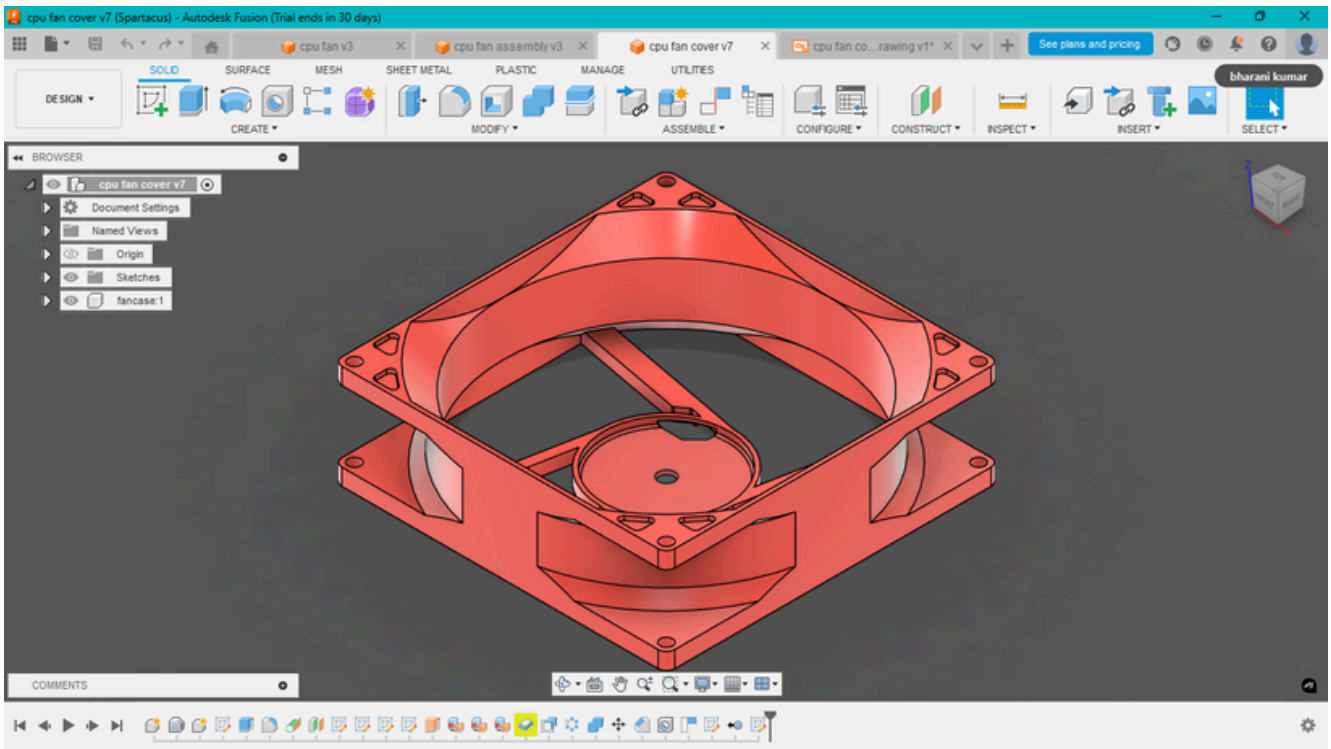


figure 2

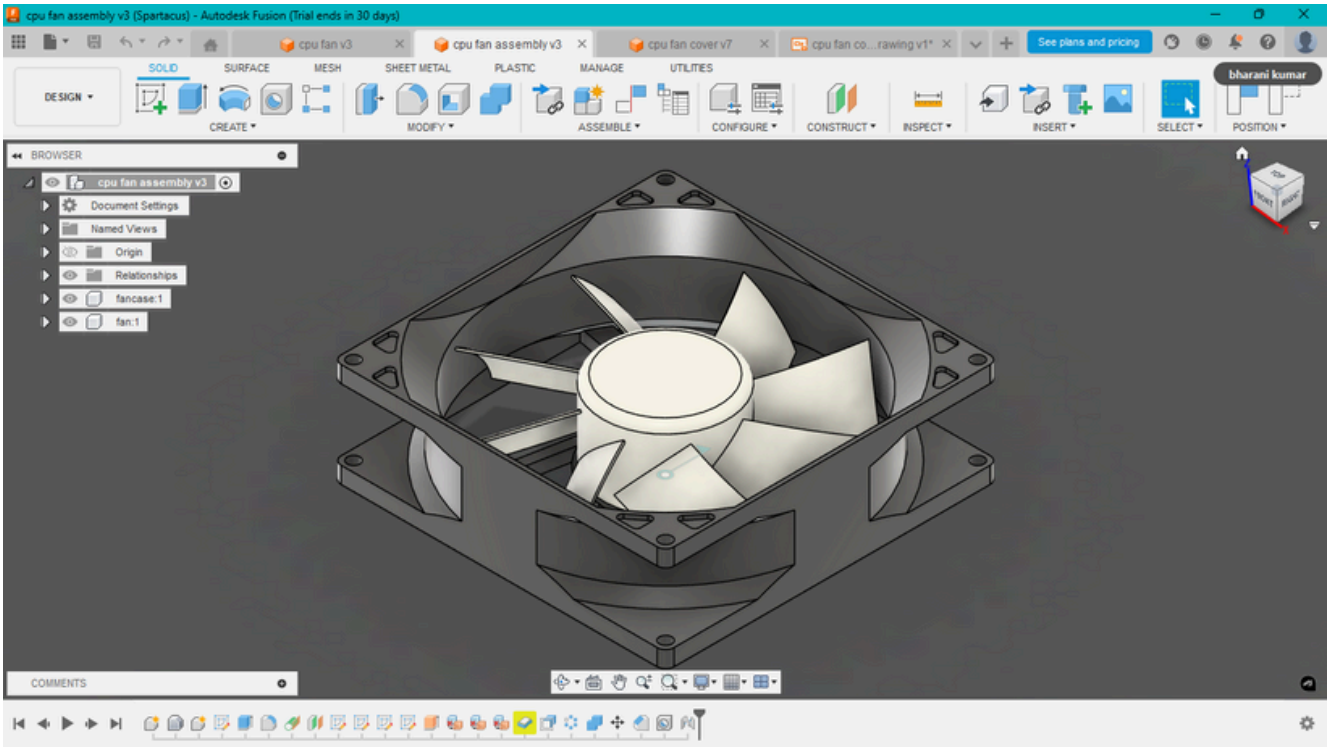


figure 3

FUSION 360 VIEW LINKS (“LOGIN REQUIRED”)

1. https://a360.co/4moRbgJ Fan Assembly
2. https://a360.co/40MmwBU Fan
3. https://a360.co/4mqrcW7 Fan Cover

2D PDF DRAFT PAGES

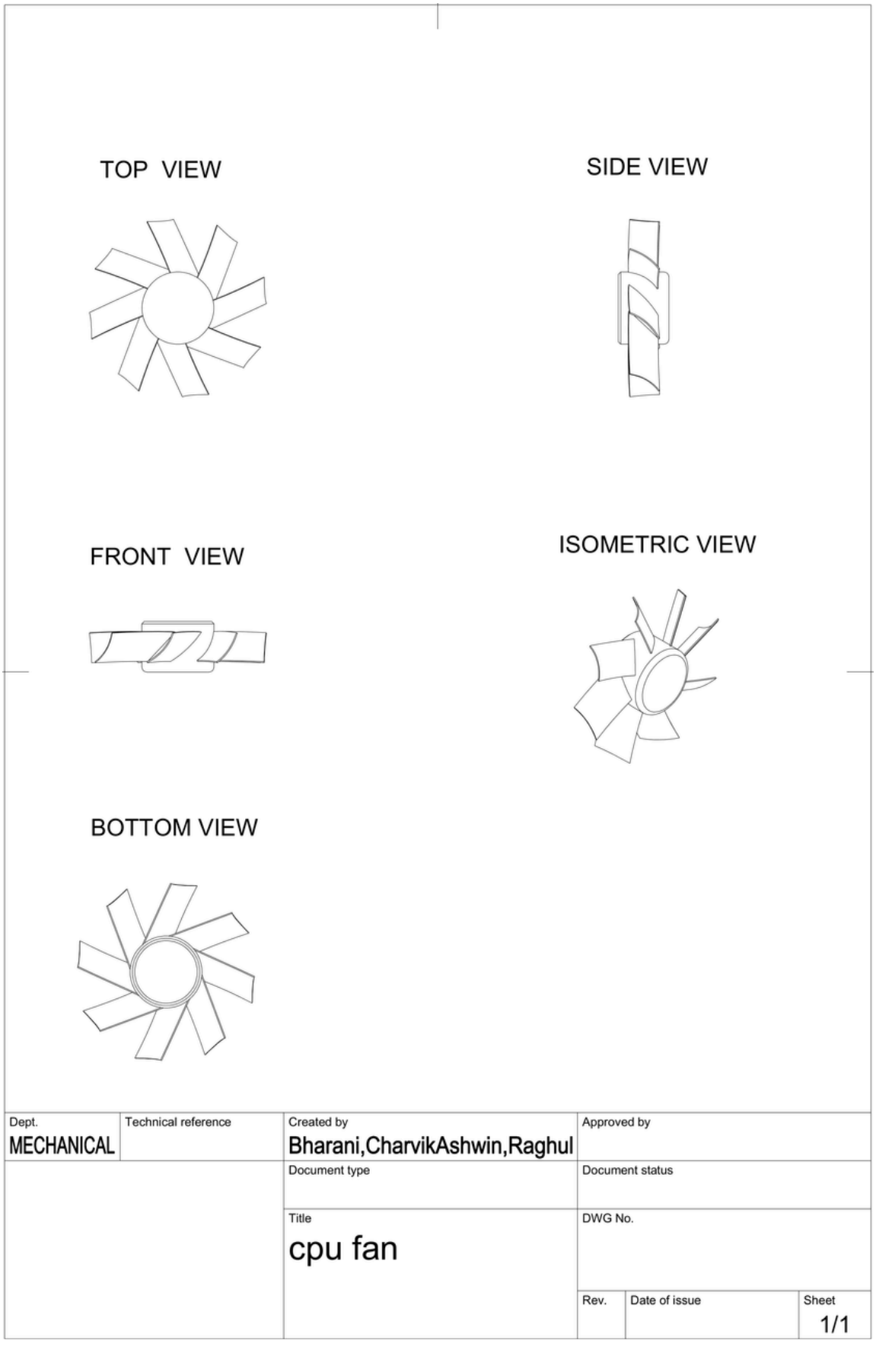


figure 4

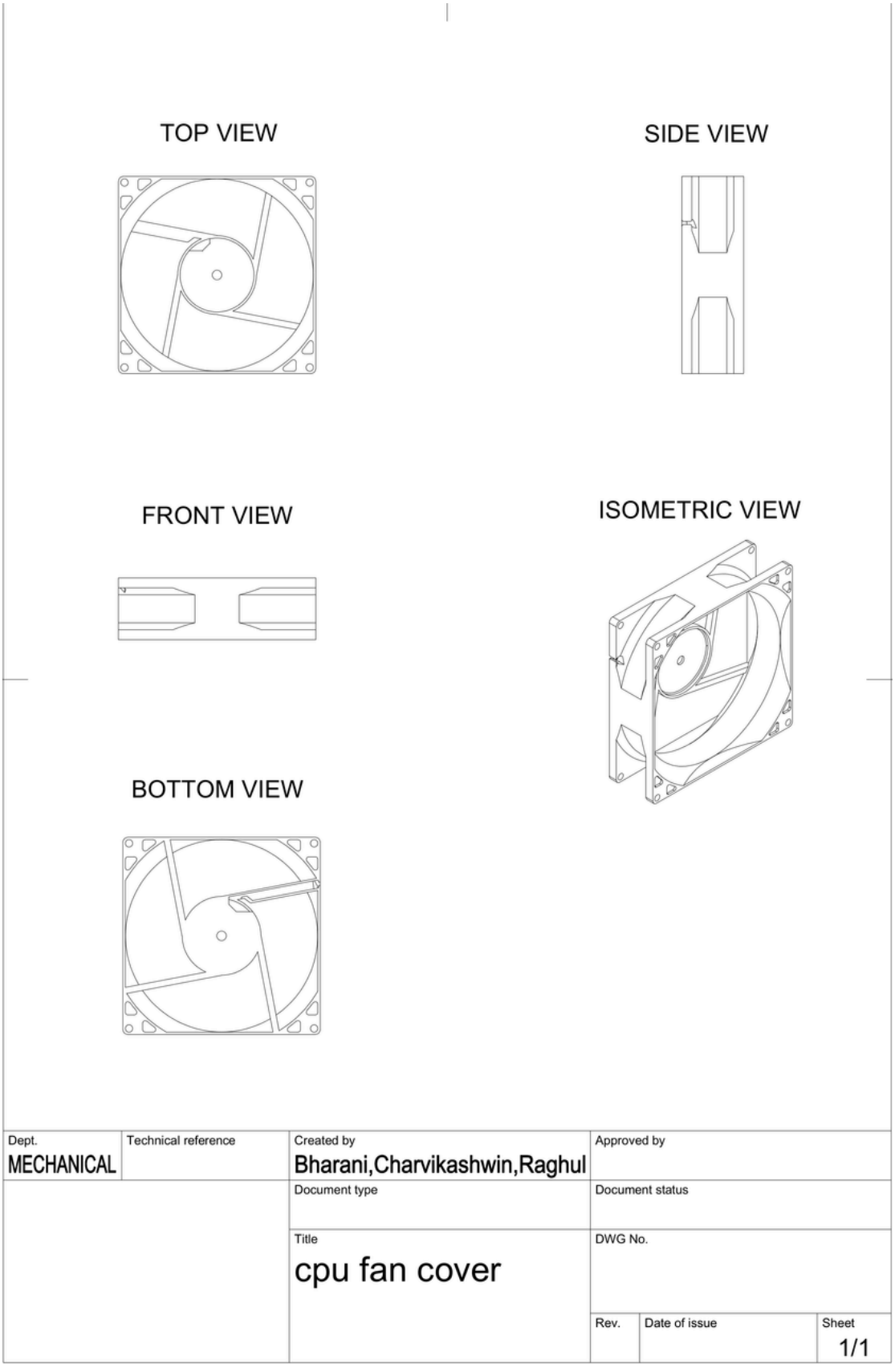


figure 5

CONCLUSION

This project helped reinforce skills in CAD modeling, design for additive manufacturing, and basic prototyping workflows.