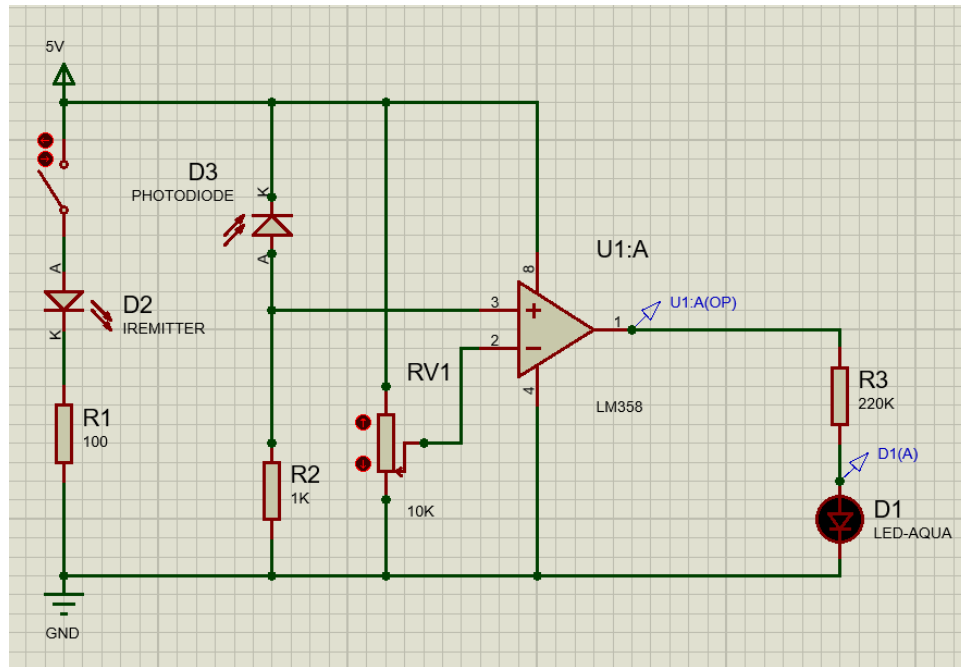
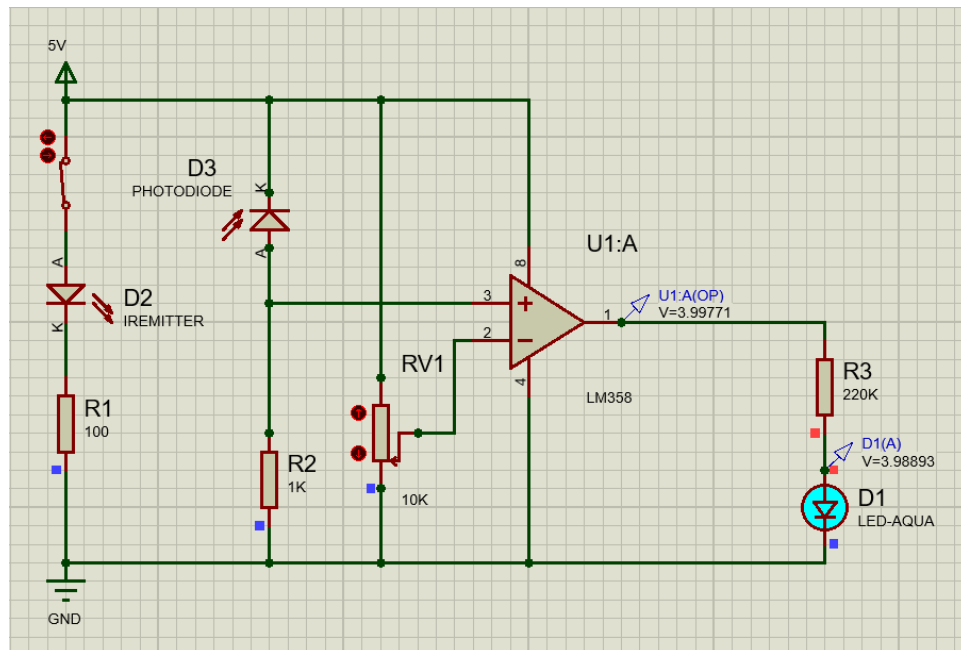
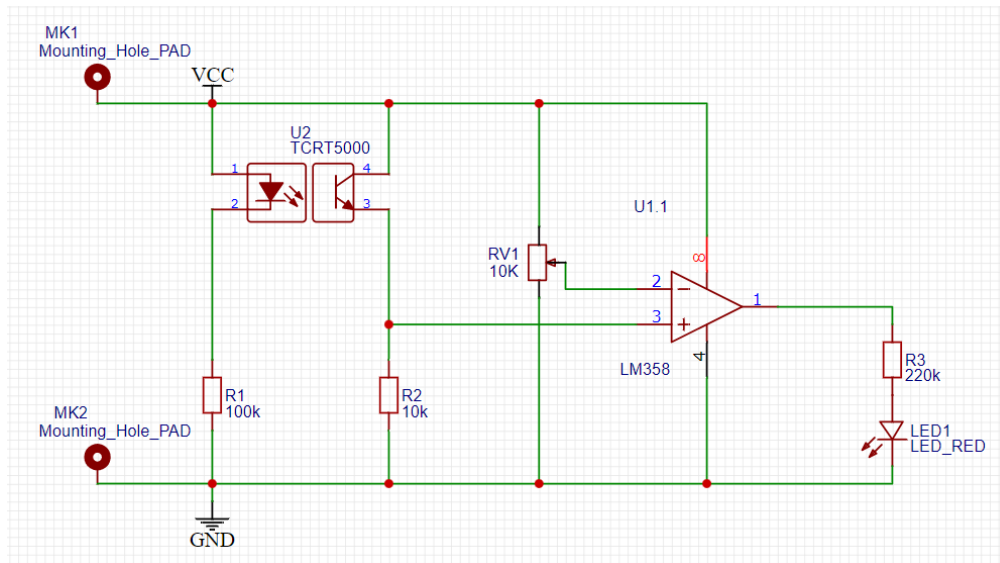


WORK REPORT**IR Sensor****A. Proteus Simulation:****1. Switch Off****2. Switch On**

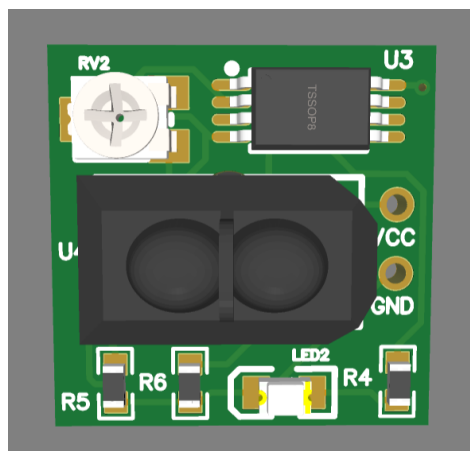
B. EasyEDA:

1. Schematic:

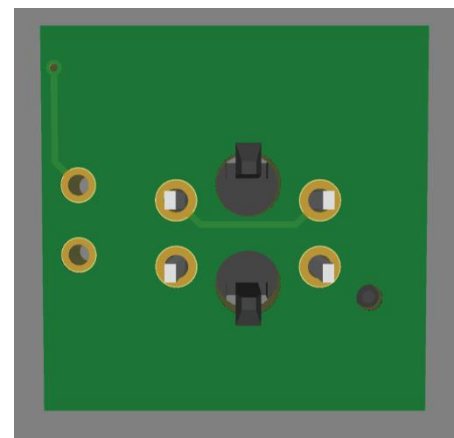


2. 3D view:

Front:



Back:



Challenges and Difficulties: Trying out EasyEDA and Proteus for the first time was tough. I struggled with understanding how the software works, making schematic diagrams, arranging components on the board, and fixing connection problems. It was really hard but with some help from tutorials and forums, I managed to figure things out. It was hard work, but I am so happy that I did it and I will try much harder next time.

Conclusion:

After completing the schematic and observing the IR sensor, I could visualize its role within the circuit more clearly. This hands-on experience deepened my understanding of its functionality and placement, reinforcing key concepts in PCB design. Overall, it was a valuable step in my learning journey, providing practical insights for future projects.