

Curs 14

Electronică digitală

11.05.2021

Facultatea de Automatică si Calculatoare
Universitatea Politehnica din Bucuresti

1 Proiectarea si fabricarea unui circuit de masura pentru capacitati

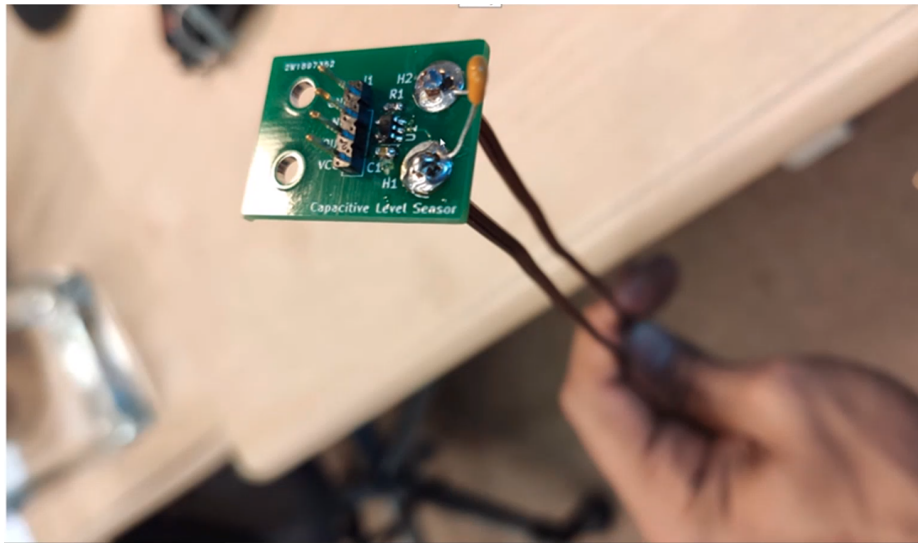


Fig. 1: Realizarea fizica a circuitului

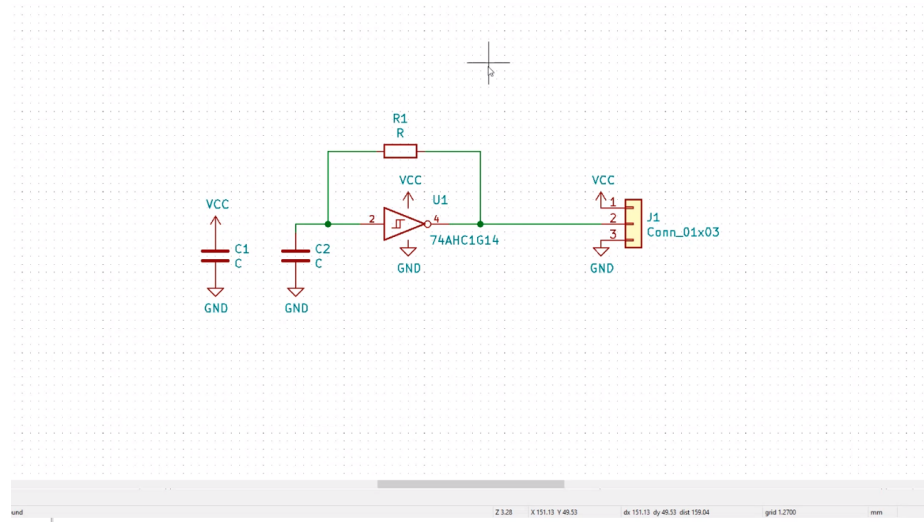


Fig. 2: Realizarea circuitului in Eeschema

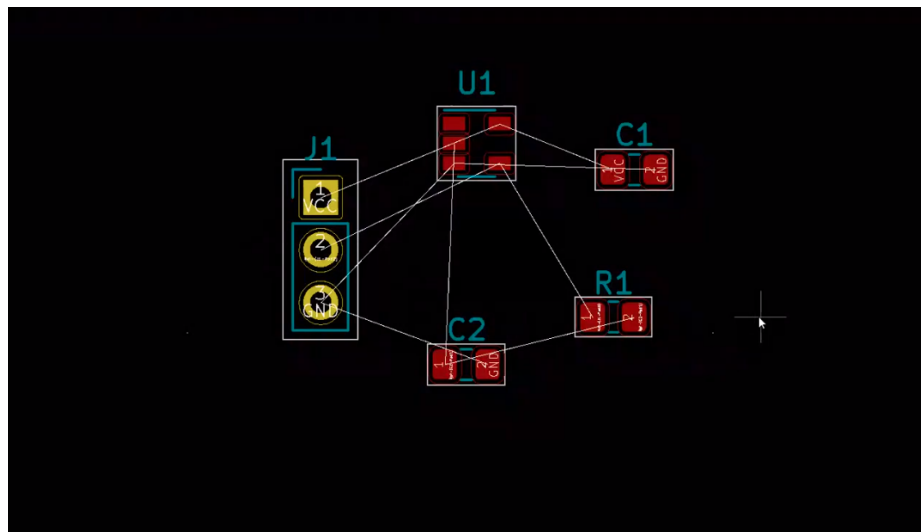


Fig. 3: Realizarea placutei in PcbNew

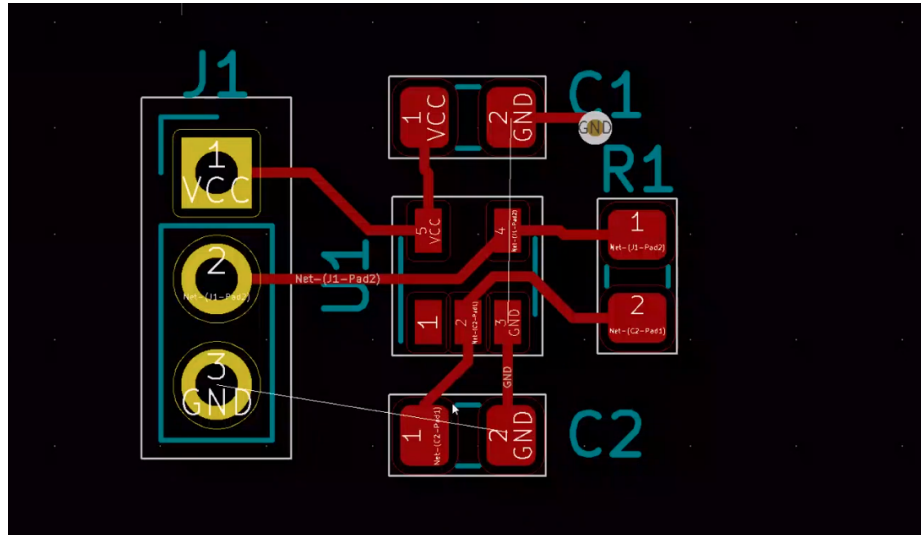


Fig. 4: Realizarea placutei in PcbNew

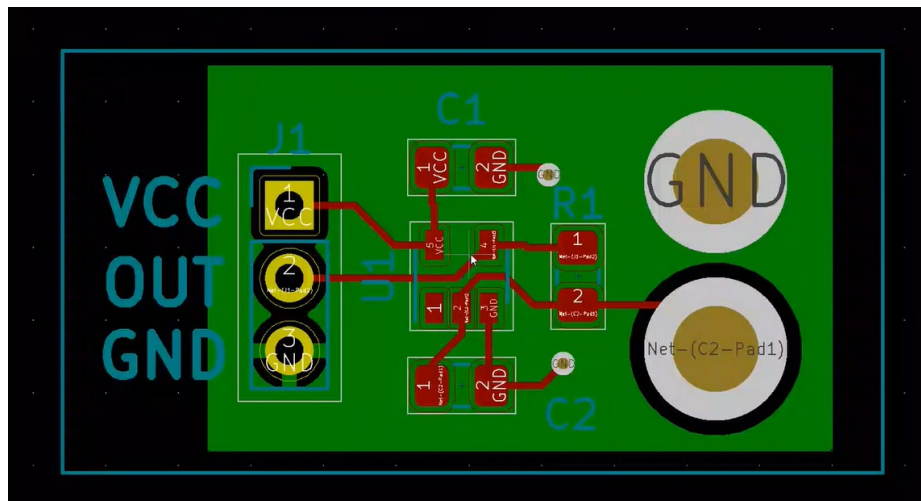


Fig. 5: Rezultatul final al placutei

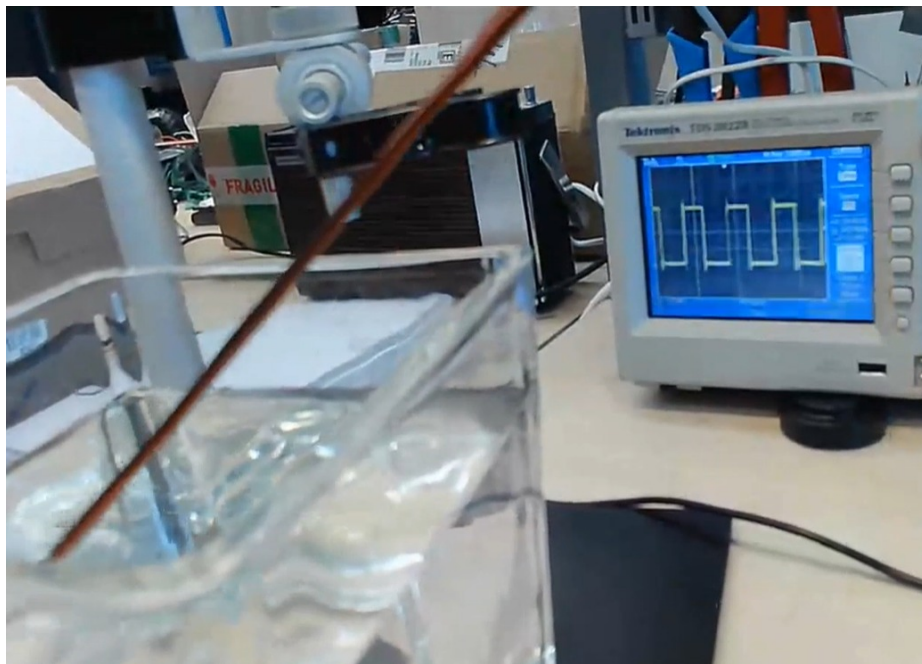


Fig. 6: Frecventa inainte de introducerea electrozilor in apa

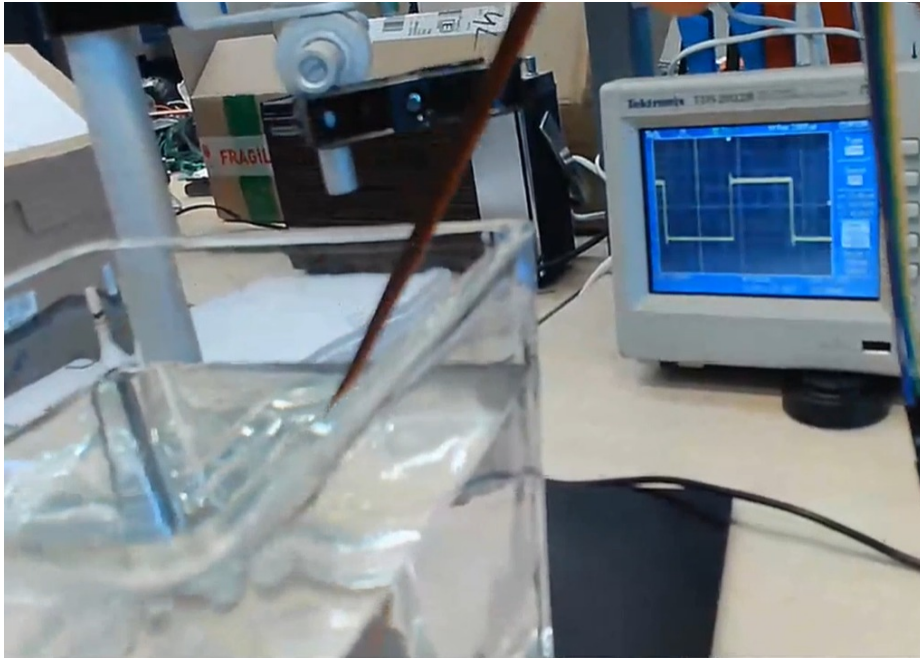


Fig. 7: Introducerea electrozilor in apa, se observa modificarea frecventei

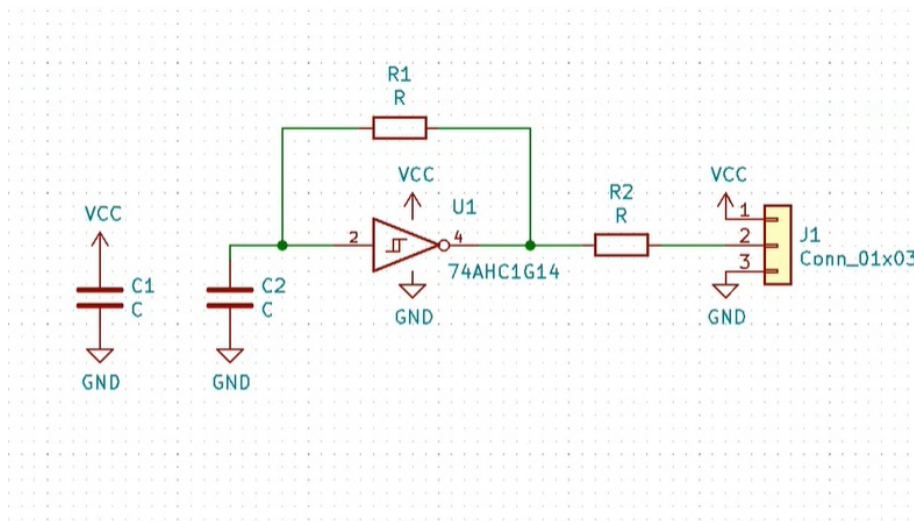


Fig. 8: Introduc o noua rezistenta in circuit

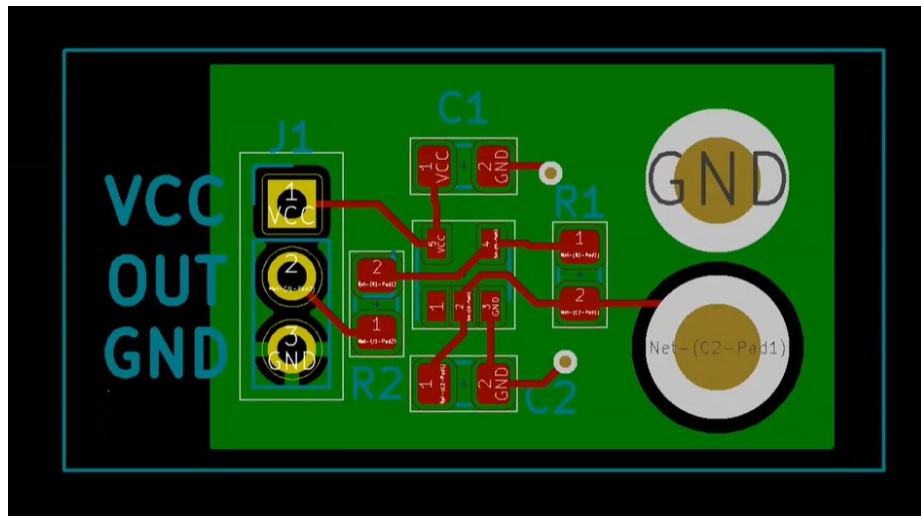


Fig. 9: Introducerea rezistentei R2 pe placuta

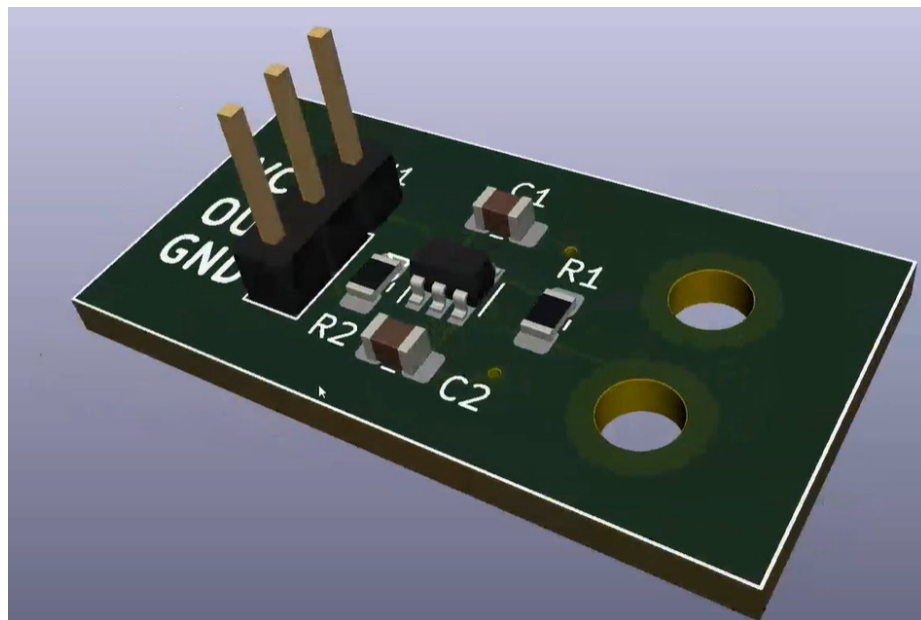


Fig. 10: Schema 3D a placutei rezultate