

**2023-2024 FALL**

**EXP 7 (MLZ 331)**

**THIN FILM PRODUCTION**

**CONTENT OF THE REPORT**

1) Explain the working principle of the sputtering technique (please explain by drawing figure.).

What are the important parameters in thin film deposition with sputtering technique? (Please write at least five parameters.)

2) Plot the  $\ln R - T$  (Resistance to Temperature) graph using the given table and calculate the TCR.

Decide the best substrate for the application that you have chosen.