*King Saud university*
*College of science*
*Physics department*

# Measuring the Temperature dependency of a Metal and a Semiconductor resistor Experiment

**The aims of this experiment are:**

**For a metal:**

- Study the effect of temperature on metal resistance.
- Determine the temperature coefficient of resistance of platinum.

**For a semiconductor:**

- Study the behavior of the resistance of a semiconductor at high temperature.
- Determine the energy gap of germanium.

***In your REPORT write down everything you used or found for this experiment.***

About your device and experimental process please enjoy the Company Report!

**Finally:**

*Discus your results!*