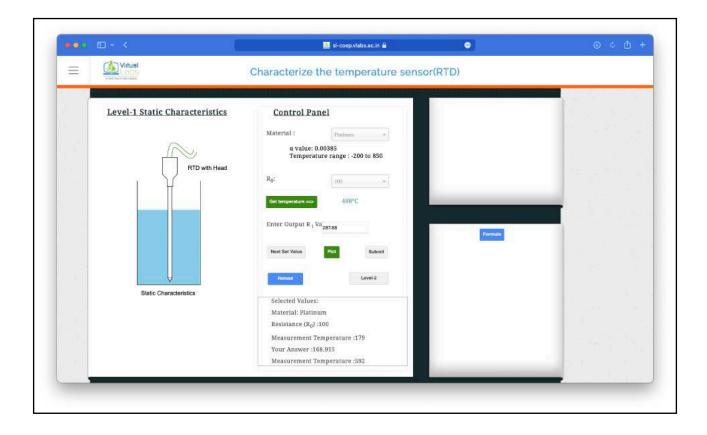
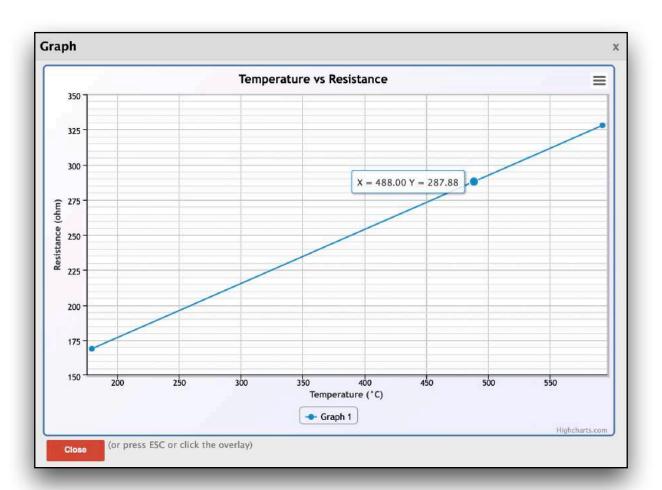
## **Sensors and Automation Lab -1**

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SY Comp Div - 2, Batch: S5



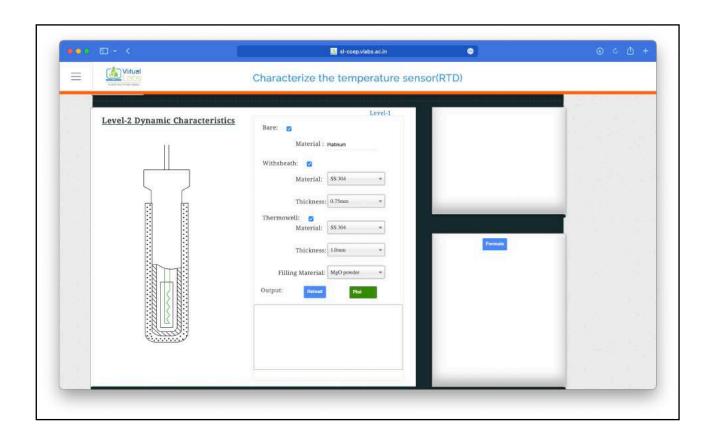


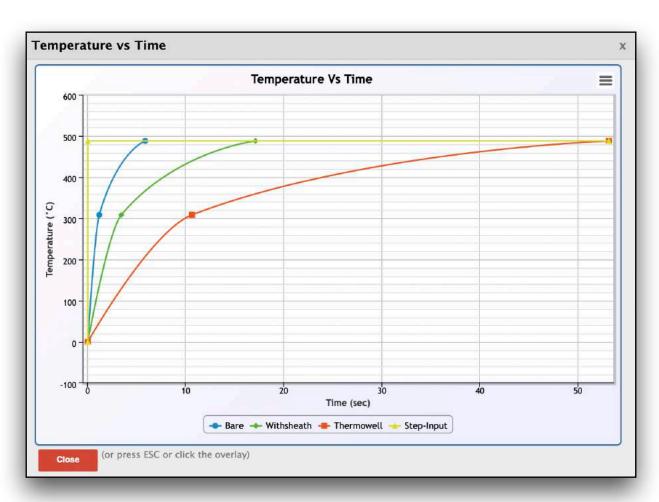
## Level -2

$$Tc = 1.17s$$

$$Tc = 3.42s$$

$$Tc = 10.63s$$





- A) Platinum
  - d value: 0.00 38\$5

Temperature range: -200 to 850

Ro = 100

- Rt = Ro(1+ A\* At) (  $\Delta T = 179$ )
  - = 100 ( I + 0.00 38 \$5 x 179)

= 10 168.915

= 100 (1 + 0.00385 \* 592)

= 327 - 92

3) Rt = Ro (1 +  $\alpha$  \*  $\Delta$ t)  $\Delta$ T = 488) = 100 (1 + 0.00385 \* 488)

= 287.88