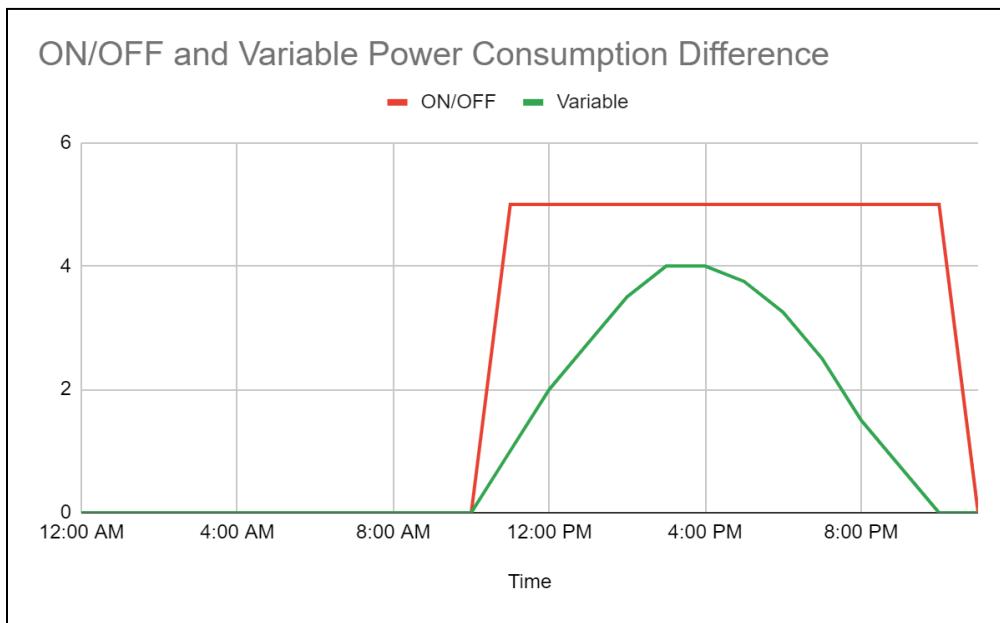
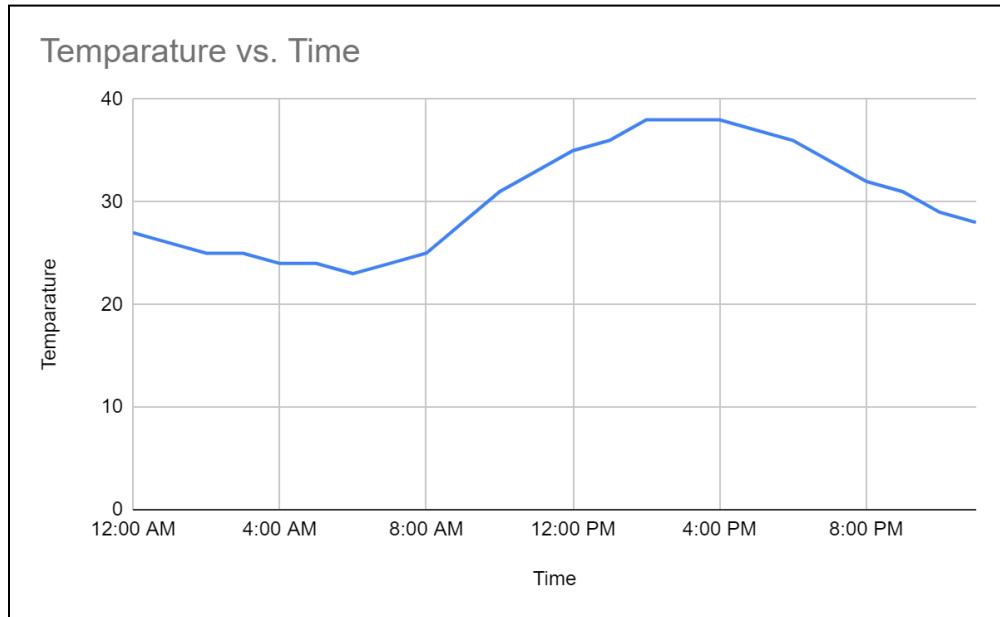


## Why adjust the fan speed instead of simply turning it ON and OFF?

**Short answer:** To save the power consumption



Assumed that the fan is taking 5V and 1A maximum current at full speed.

In the above temperature scenario, the fan remained ON for 12 Hours.

The total power consumed in ON/OFF conditions for a day in the above scenario: **60 W**

The total power consumed in variable speed for a day in the above scenario: **29 W**

Thus, we have saved **51.6%** of the power by adjusting the fan speed according to the temperature instead of just turning it ON/OFF.