Loop

Yes

Yes

No

No

Start

temp\_monitor Function

Initialization: Pin, Plot, LED off

Read current temperature

Plotting/updating temperature points in a graph

Is Temperature in the range of 18-24°C?

Green light on, yellow/red light off

Blinking yellow light (0.5s), green/red light off

Flashing red (0.25s), green/yellow light off

Is temperature < 18°C

Pause (makes the loop about 1s)