**Name: Shaunak Deshpande**

**Div.: TY-IC-C**

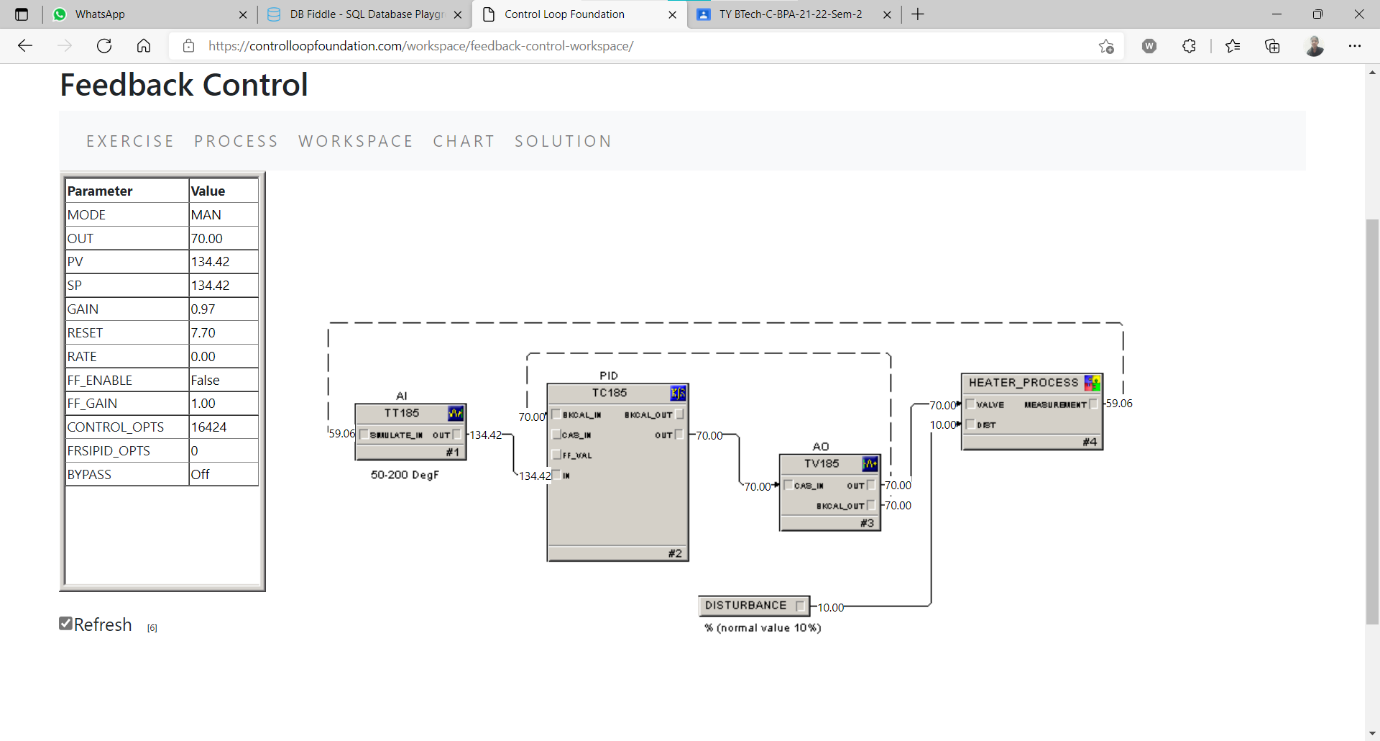
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**GR no.: 11911180**

**Batch.: 2**

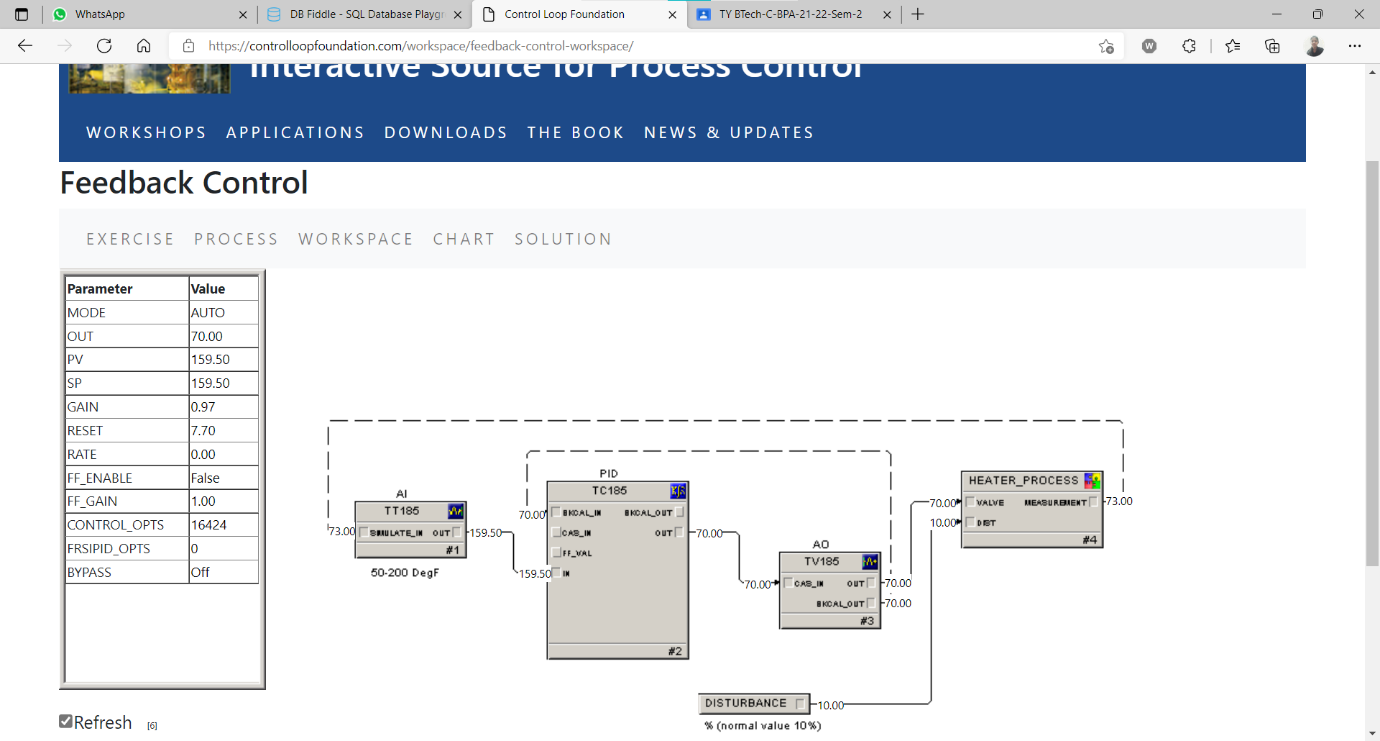
**LAB 2:- Feedback Control for Temperature control of Steam heater**

Task 1:- To understand how PID controller work in Manual mode

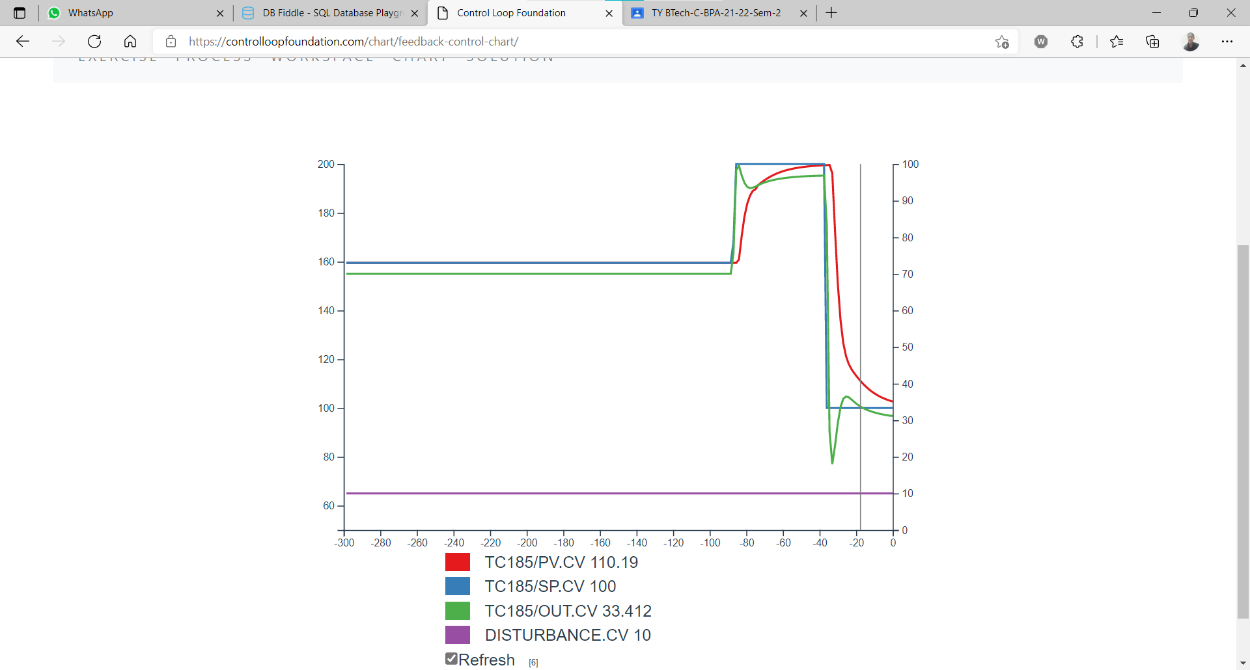




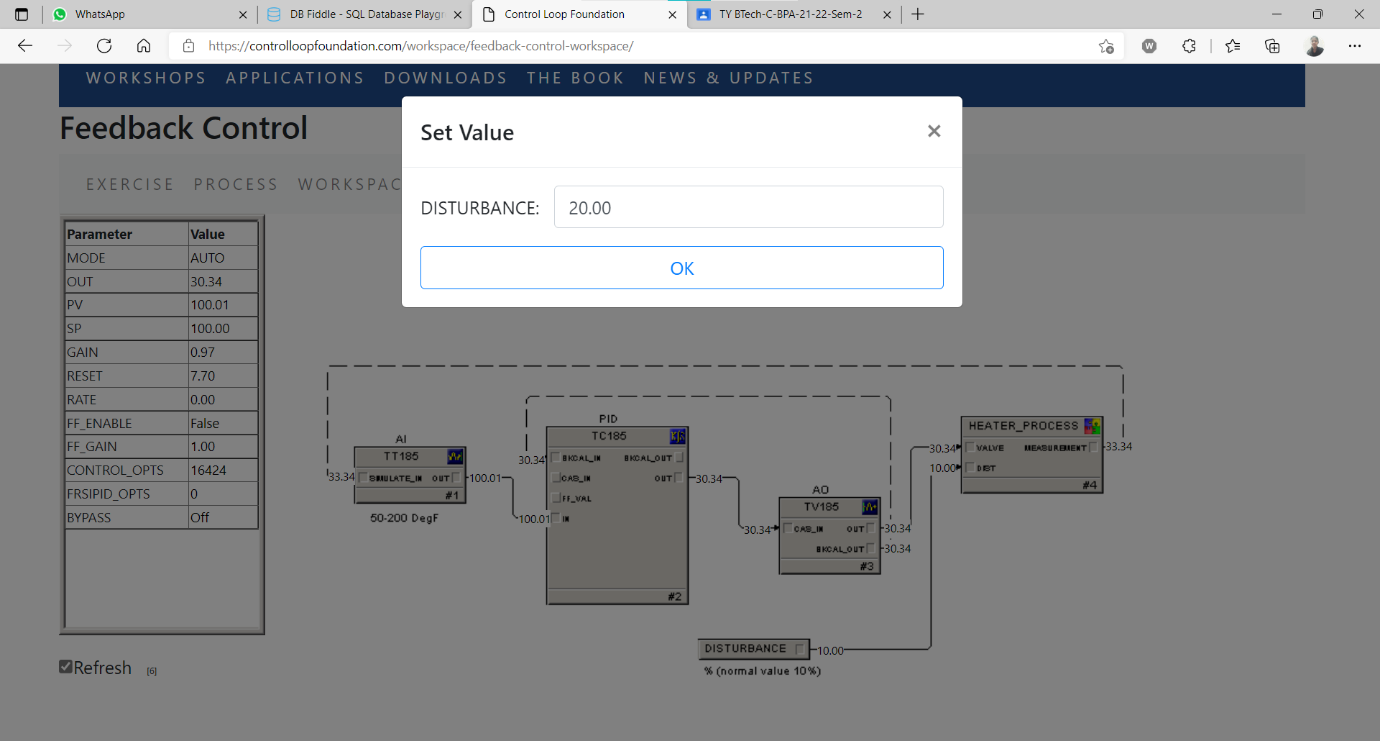
Task 2:- To understand how PID controller work in Auto mode

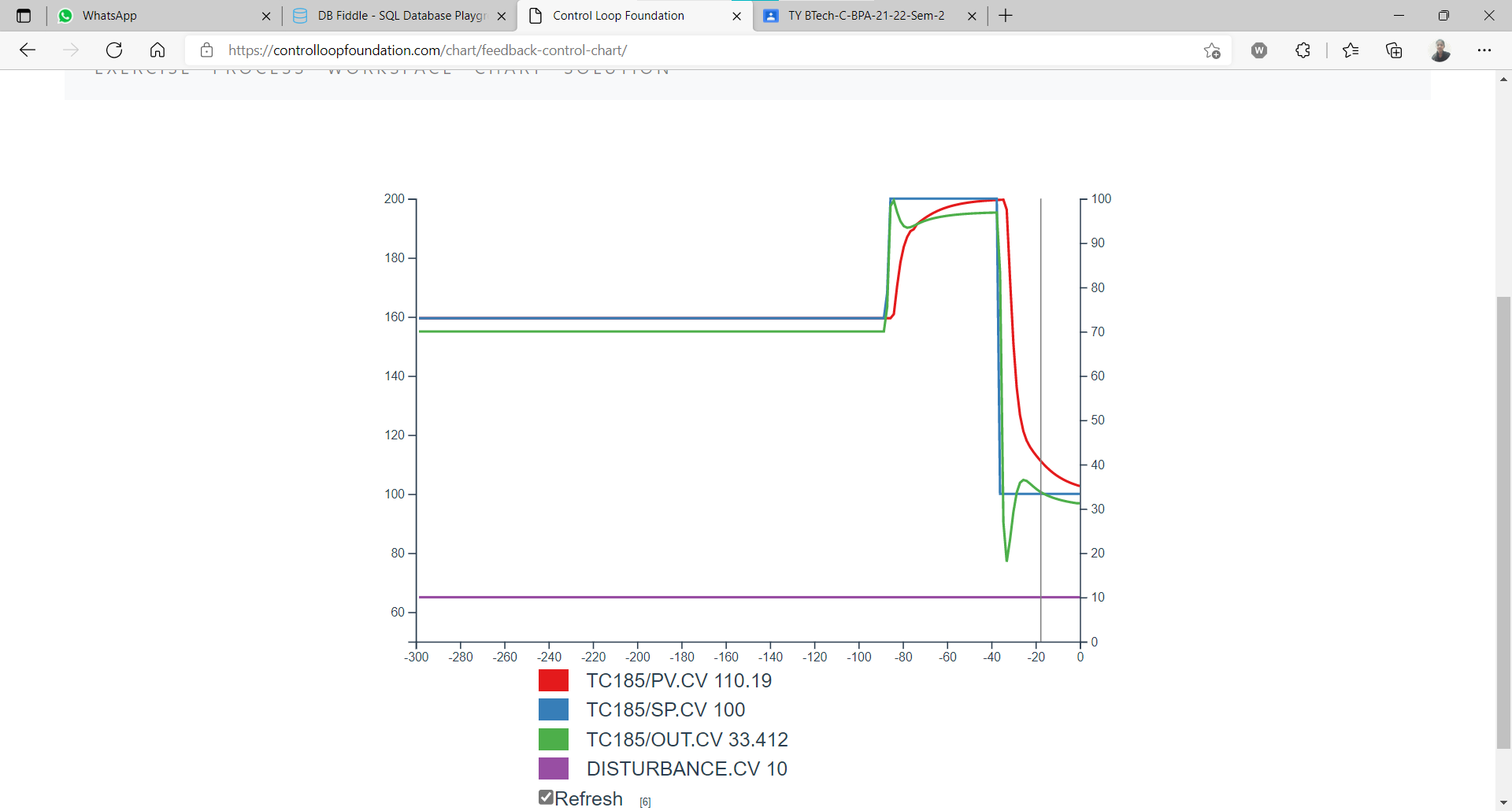


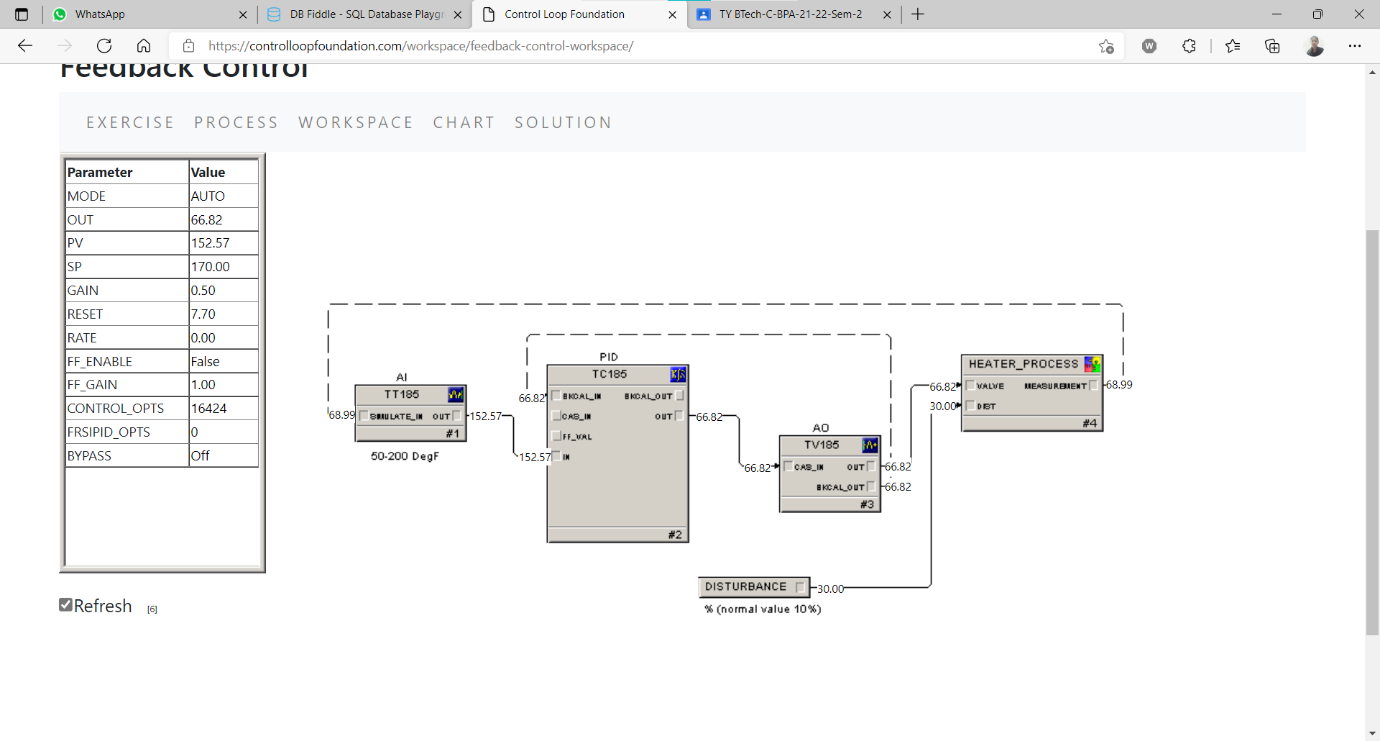


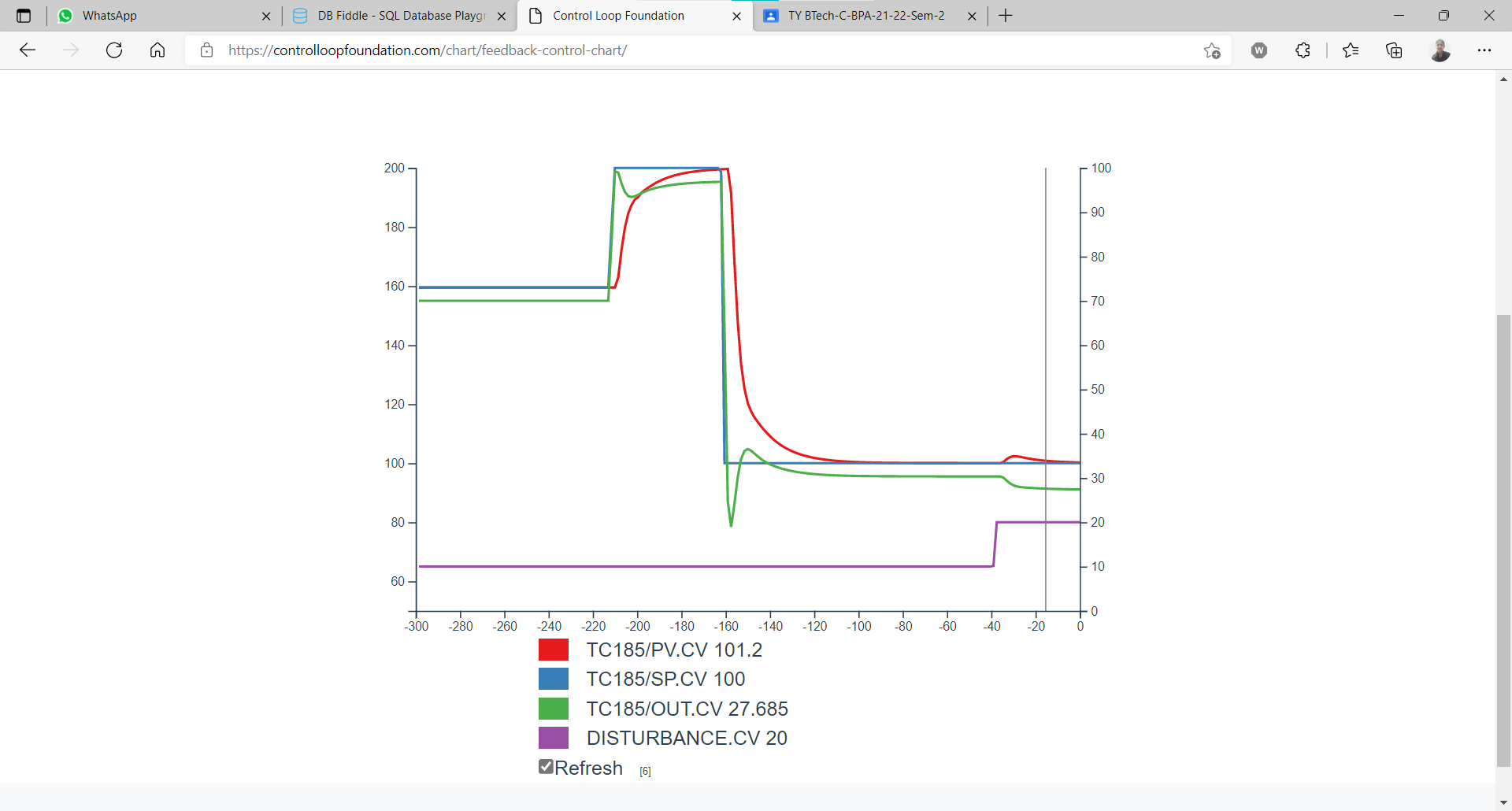


Task 3:- To comprehend how PID controller respond to the disturbances : Setpoint change

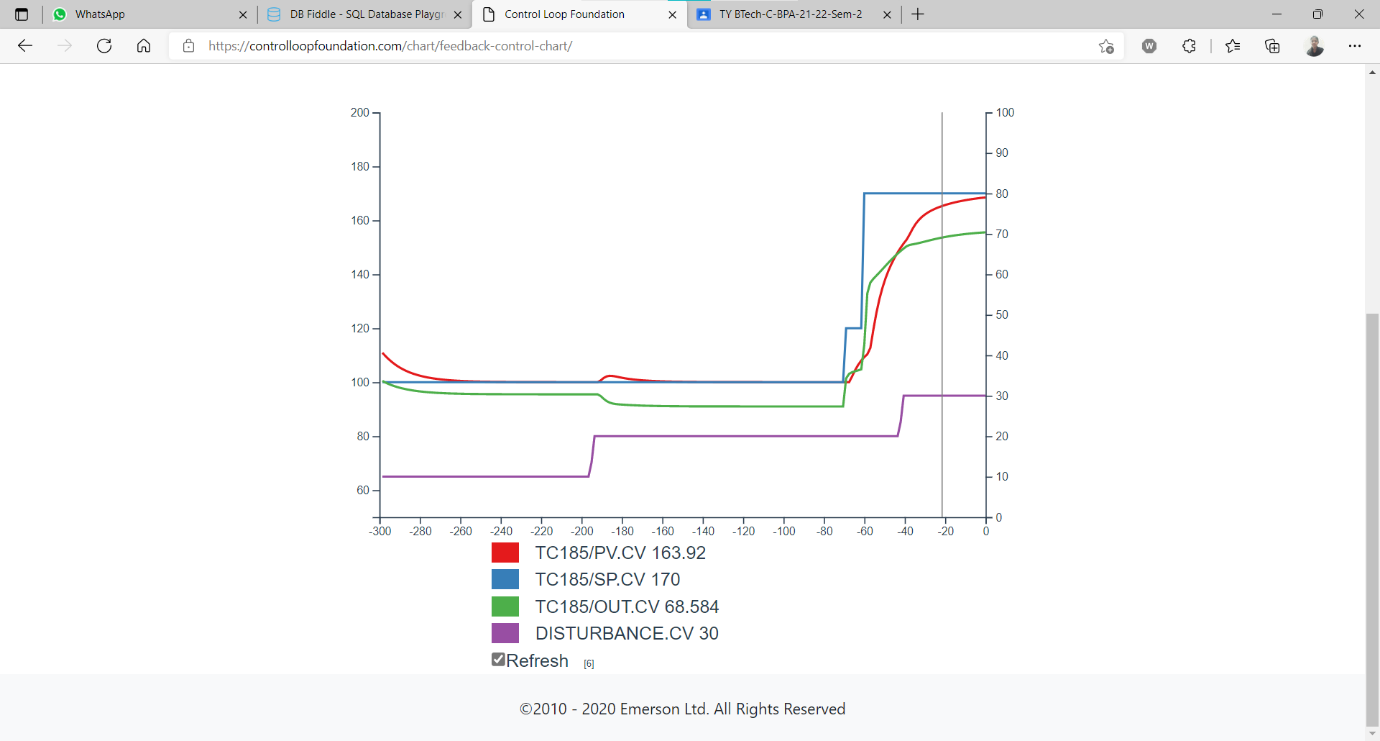




Task 4:- To comprehend how PID controller respond to the disturbances : Process load change



Task 5:- To comprehend how PID controller tuning respond to the disturbances : Setpoint change, Process load change



**Conclusion-**

* Learn and understand how the pid controller works in manual and auto mode.
* Learn and understand how PID controller responds to the disturbances: Set point change, Process load change.
* Learn and understand how PID controller tuning respond to the disturbances: Set point change, Process load change.