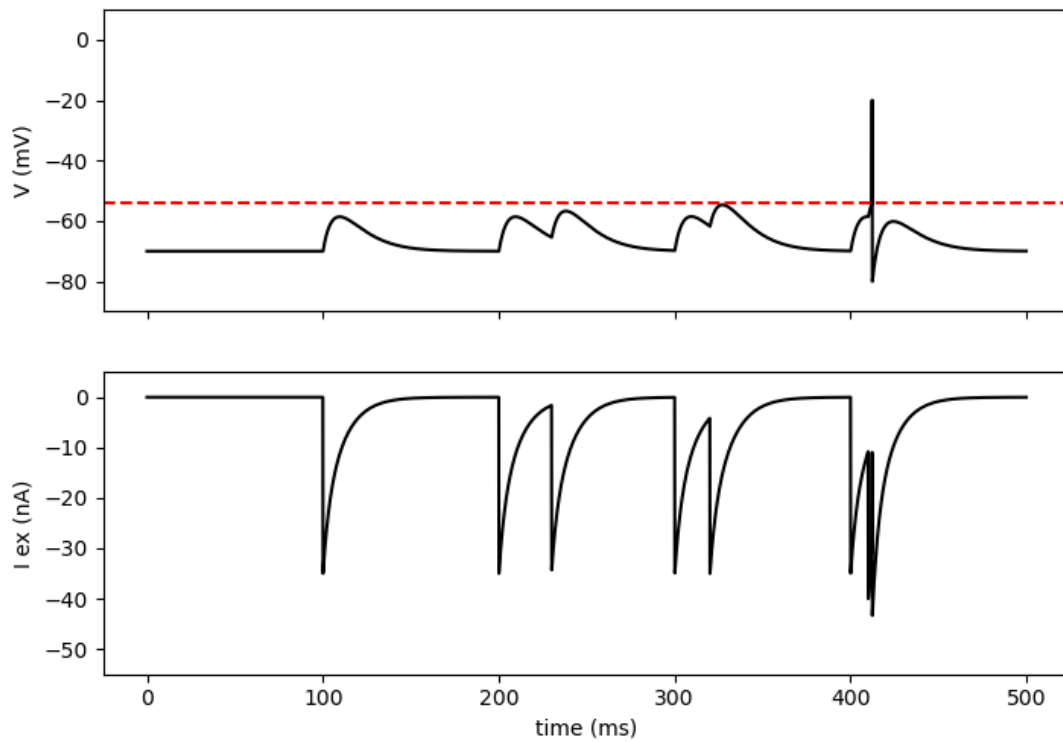# HOMEWORK - 02
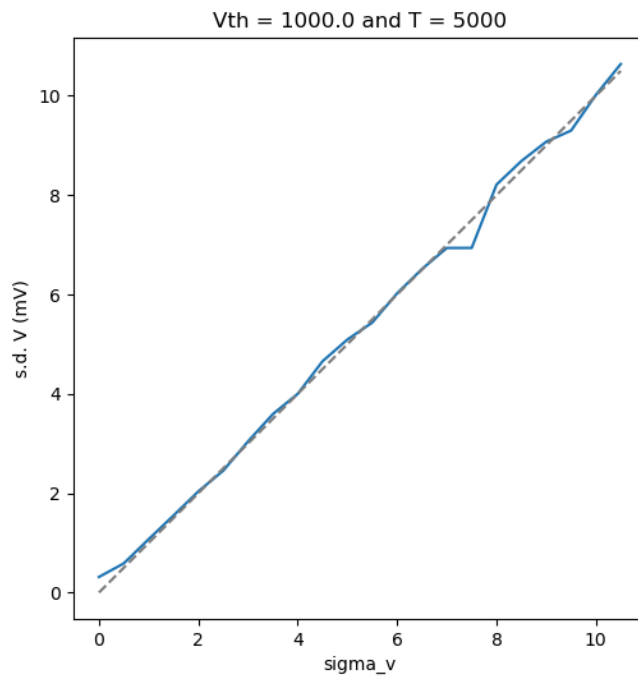## Computational Neuroscience

[Submitted by: Priyansha Verma]

Question : 1

The PSPs caused by the excitatory APs add up when the APs are sufficiently close in time and lead to a 'spike'.

Question : 2
(a)

Vth = 1000.0 and T = 5000

(b) The firing rate increases 'smoothly' as the noisy input increases (s.d. increases). We do not see the characteristic spike frequency increase near the threshold as compared to previous week's assignment.