SIMULINK MODEL:

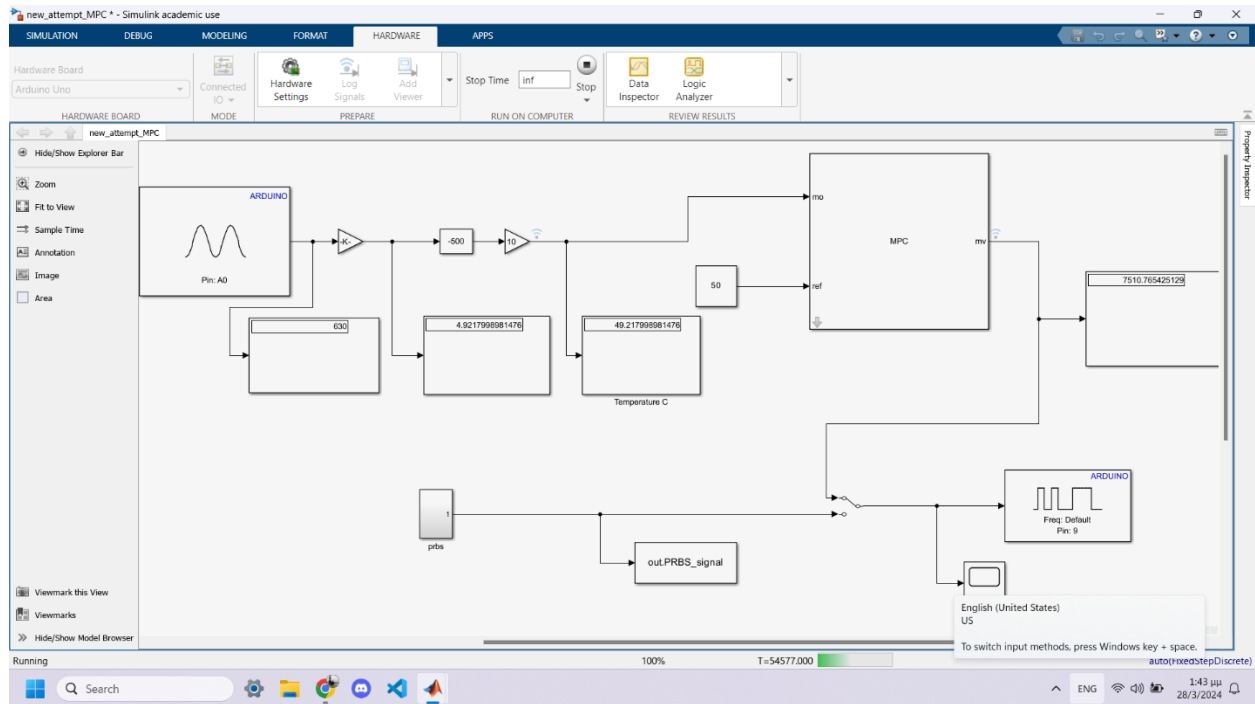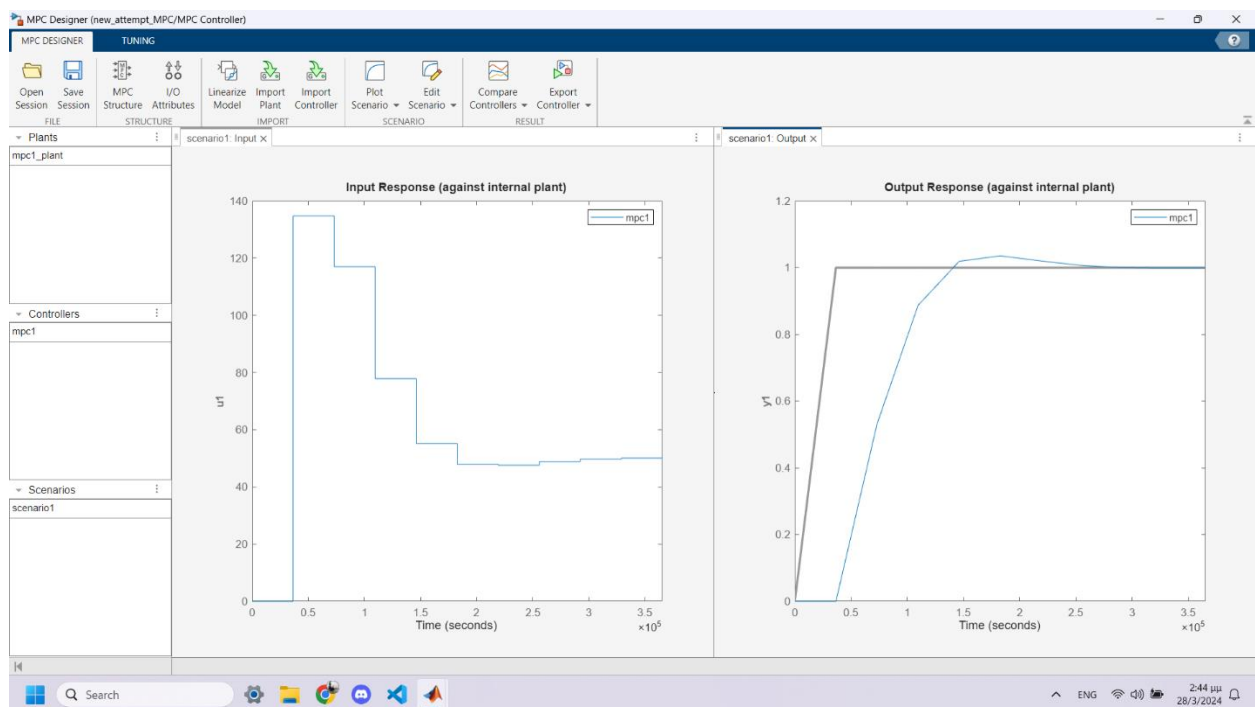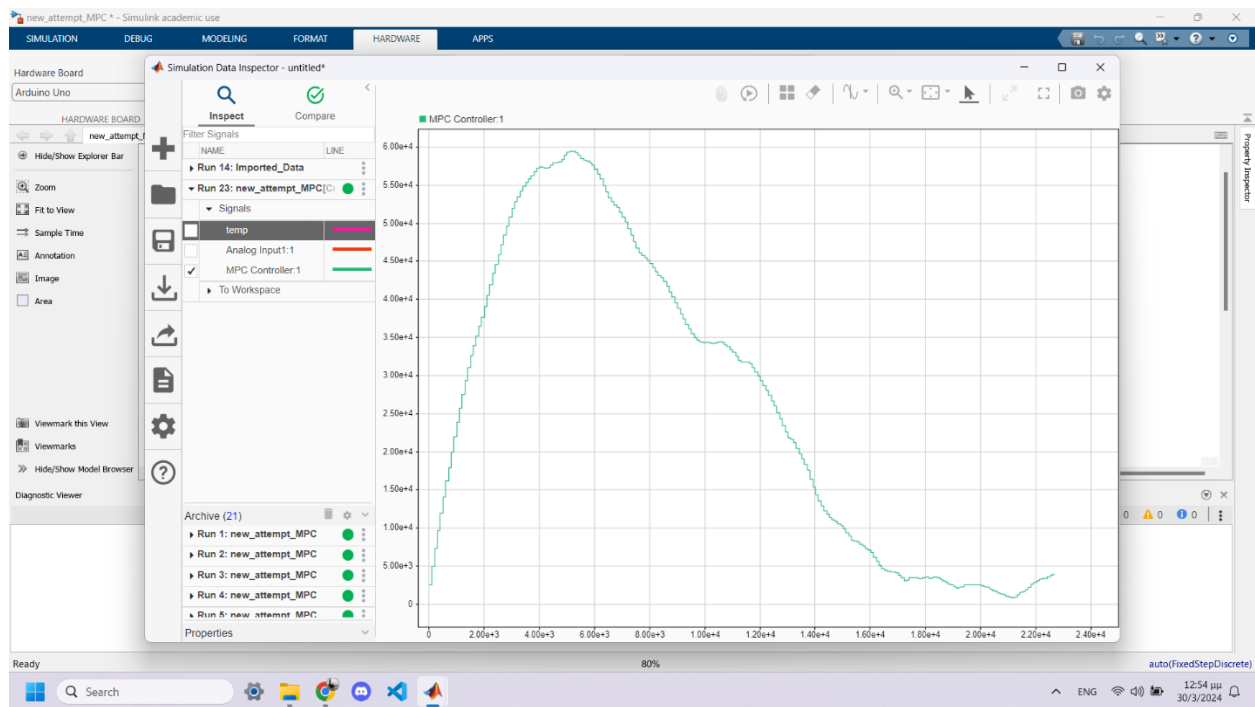## MPC DESIGNER BLOCK:

MPC output to the power transistor:

Temperature input to the MPC – manipulated variable: