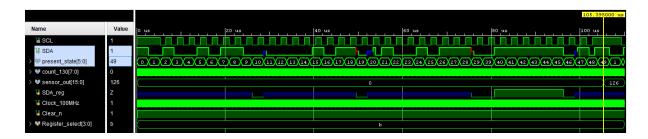
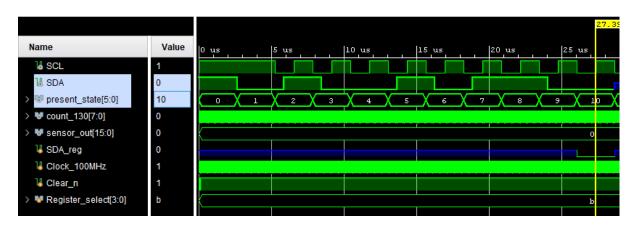
1. Simulation

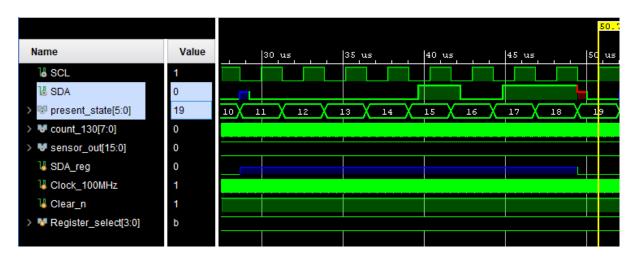
1.1. Full Simulation



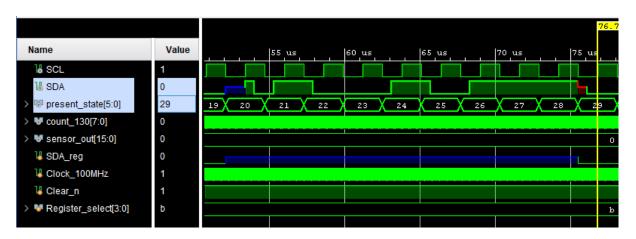
1.2. Serial Bus Address(SBA) for Write



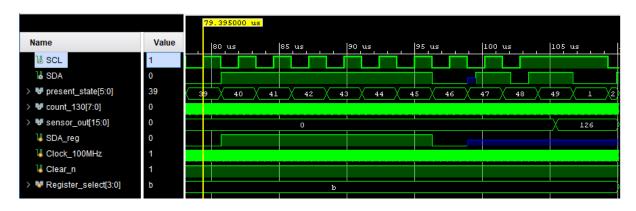
1.3. Address Pointer Register(APR)



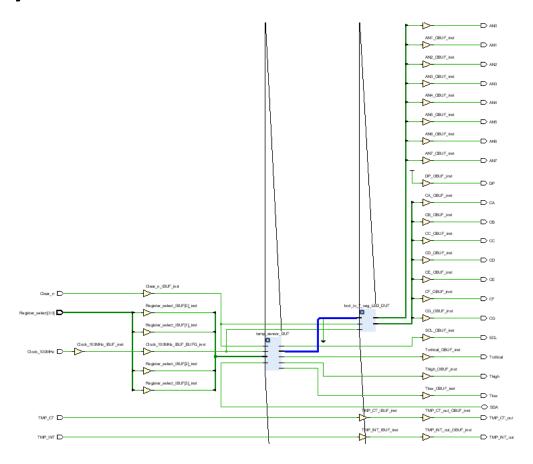
1.4. Serial Bus Address(SBA) for Read



1.5. Data [7:0]

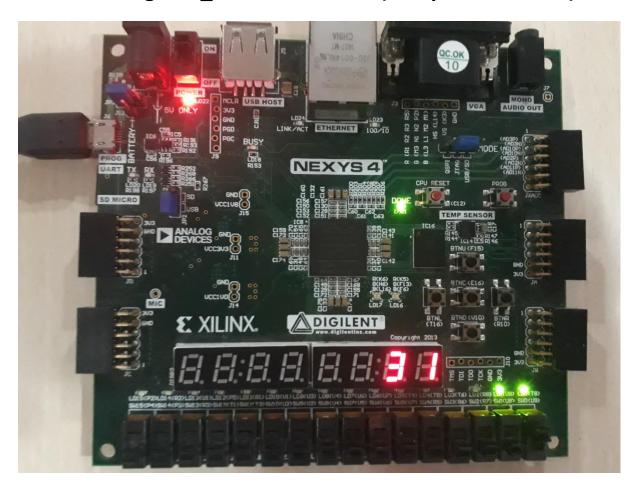


2. Synthesis

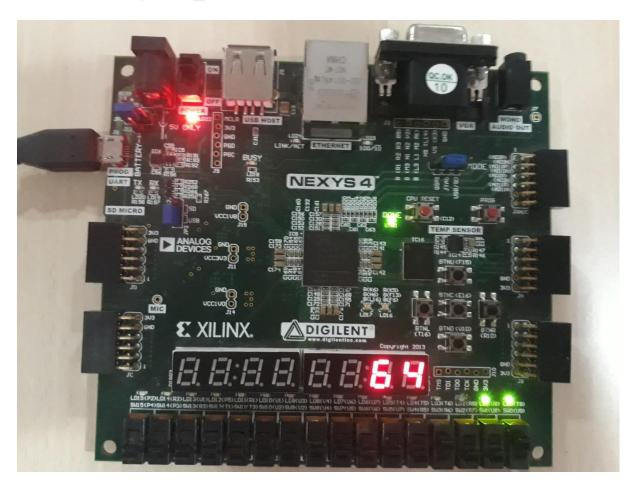


3.Implementation

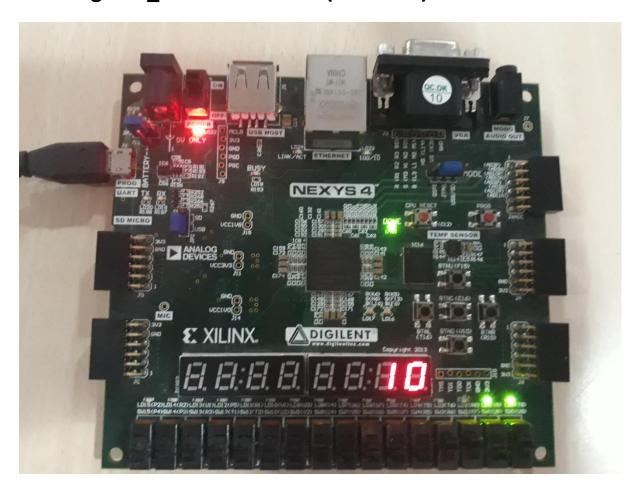
3.1. Register_select = 4'b0000 (Temperature MSB)



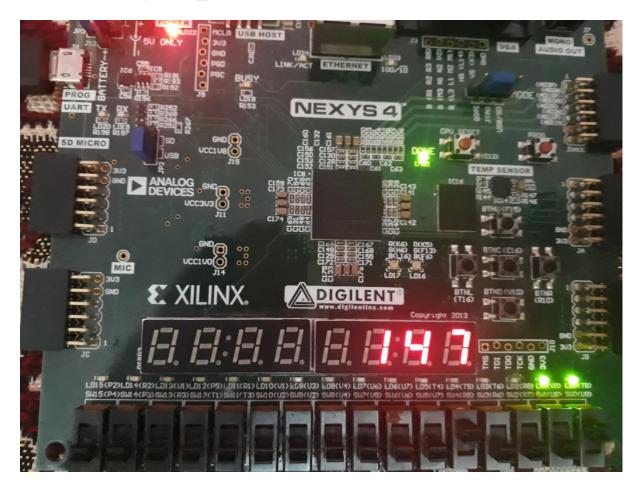
3.2. Register_select = 4'b0100 (Thigh MSB)



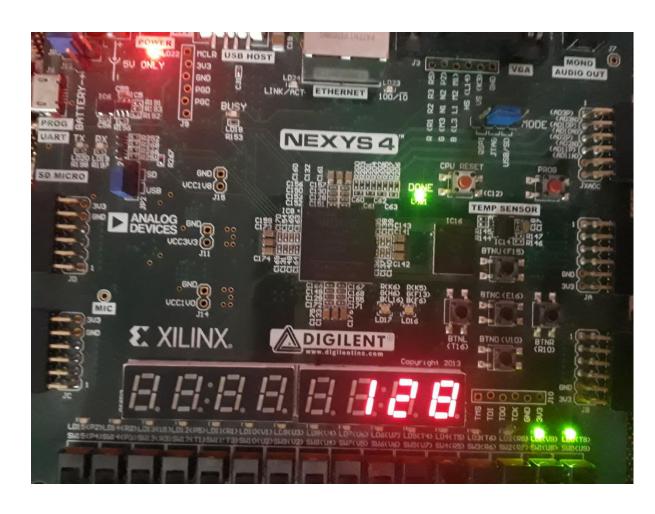
3.3. Register_select = 4'b0110 (Tlow MSB)



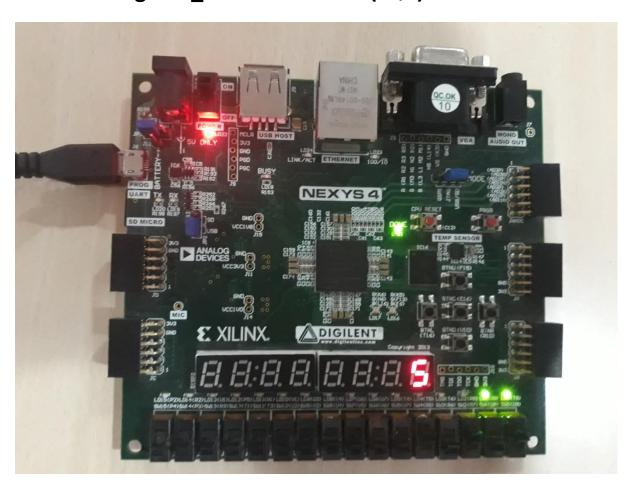
3.4. Register_select = 4'b1000 (Tcrit MSB)



3.5. Register_select = 4'b1001 (Tcrit LSB)



3.6. Register_select = 4'b1010 (Thyst)



3.7. Register_select = 4'b1011 (ID)

 $203_{(10)} = CB_{(16)}$

