# **Computer Organization and Architecture**

### Post-Lab

### **Lab 09**



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Class	Computer Organization and Architecture CPE343( <b>BCE-5B</b> )
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## Lab-09 - Postlab Multiplicand 32 bit 32 bit 32-bit ALU /c add, sub (Contra) HI 64-bit LO [0] te Hardware Design Code: module Signed fourbit ( input alc, reset, input [3:0] multiplicand, multiplier, output [3:0] HI\_FF, LO:FF );\_\_\_\_ wire ghit, SR; multiplier\_controller MC (ak, reset, init, se); mutiplier - datopath MDP (clk, reset; init, SR, multiplicand, multiplier, HIFF, LO.FF; and module. CS Scanned with CamScanner

#### **Output Waveform:**

