

# CO326: Industrial Networks

## Lab 02 - Parallel Port I/O (Part II)

Date - 04/03/2020

---

### Lab Exercises

**Exercise 01:** Display the number of times a push button was pressed

1. Draw the circuit diagram that includes a push button to take inputs, 7-segment display and 74LS47 IC to show outputs and the parallel port. Make sure you use proper resistors (pull-up/pull-down) when taking inputs through the push button.
2. Write a program to get the number of times the push button was pressed since the start of the program and display this count on the seven segment display (SSD). Since you're using only one SSD, you may reset the count when it reaches 9. (If you're interested, you can try connecting 2 SSDs and modifying the program to display the count with two digits)