

Lab 01

Usage of FPGA Experiment Board





Today's Goals

- (1) Let you know how to work with our FPGA board
 - FPGA: Field Programmable Gate Array
 - a special hardware architecture to simulate digital circuit design
- (2) Establish your imagination on timing analysis

Your Work Today

- Draw the two circuits and demo how it works on FPGA
 - Connects buttons, LEDs, and clock signal with FPGA pins
- In your report:
 1. Put the timing waveform and explain why this waveform in your final report
 2. Explain why the sequential circuit seems not reliable

