EEE 442 PROGRAMMABLE LOGIC CONTROLLERS LABORATORY

EXPERIMENT 6

HMI PANEL DESIGN

Object: In this experiment HMI (Human Machine Interface) panel will be introduced. HMI interface will be incorporated to PLC programs to visualize the control system.

PRELIMINARY WORK

P.1 Write a PLC program to obtain the following waveform (Figure 1). The program should also be seen on operator panel (HMI) (Figure 2).
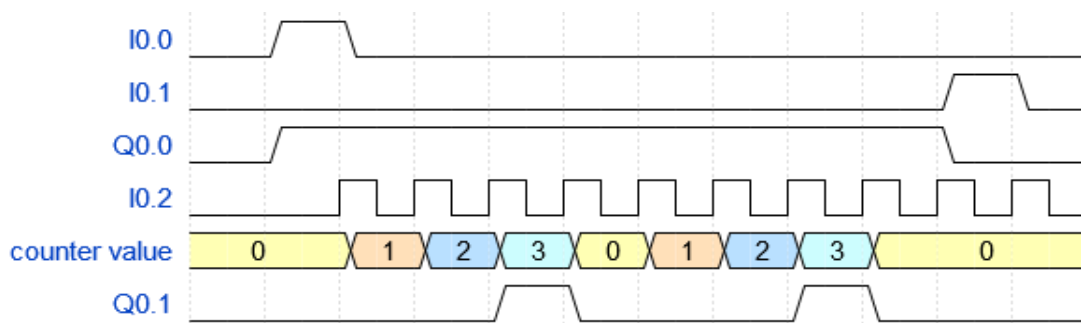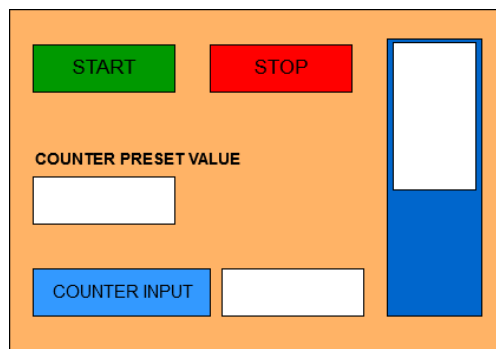

Figure 1

Figure 2

EXPERIMENTAL PROCEDURE

E.1 Verify the program written in P.1 using S-7 1200 PLC and SIMATIC HMI touchscreen.