Digital Computer Design
Project 3 Data Path

#Project 3 Simple Data Path

1. In this laboratory course, you will be creating a program counter and instruction memory to be used with the register file you have done in the previous lab.

   Instruction memory accepts no input other than clock and at each clock positive edge PC will be increased with 1 and instruction memory will move the next instruction to the register file. It is acceptable that the four instructions are already in the memory of Instruction memory and these are;

   $$00000000011111$$
   $$01111100001110$$
   $$10111111101101$$
   $$11110111111011$$