



**Princess Sumaya University for Technology  
Computer Engineering Department  
22440: Microprocessor Lab**

**Experiment 7: The 62256 SRAM Memory Chip**

The Hitachi HM62256B is a CMOS static RAM that has 32 K words and each word is 8 bits wide. Refer to the datasheet provided with this experiment and use it to carry out the following lab assignment.

**Lab Assignment**

1. Design and implement a circuit to read a character from the keyboard and store it in the 62256 memory chip. You can store this character in any memory address.
2. Read the character stored in Step 1 and display it on the screen.

**Hint**

Use the 8255 chip to interface this memory chip with the PC through the parallel port.