

EXPERIMENT NO.:

TITLE: Design of A 4-Bit Parallel Binary Adder Circuit Using The IC-Chip 4008.

OBJECTIVE: To design of A 4-Bit Parallel Binary Adder Circuit Using The IC-Chip 4008.

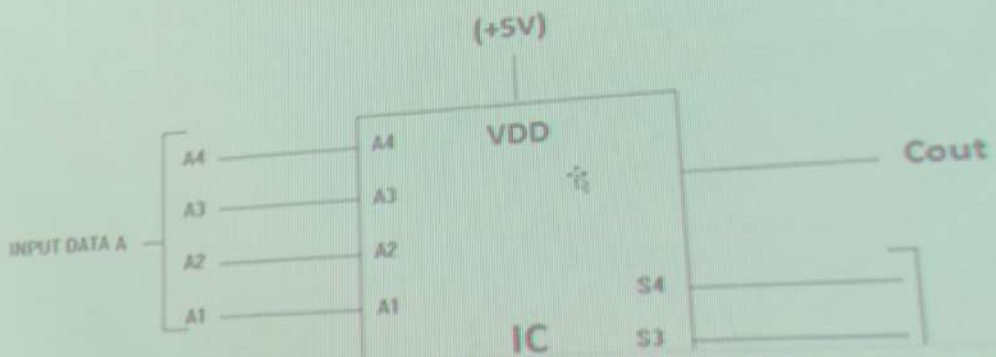
THEORY:

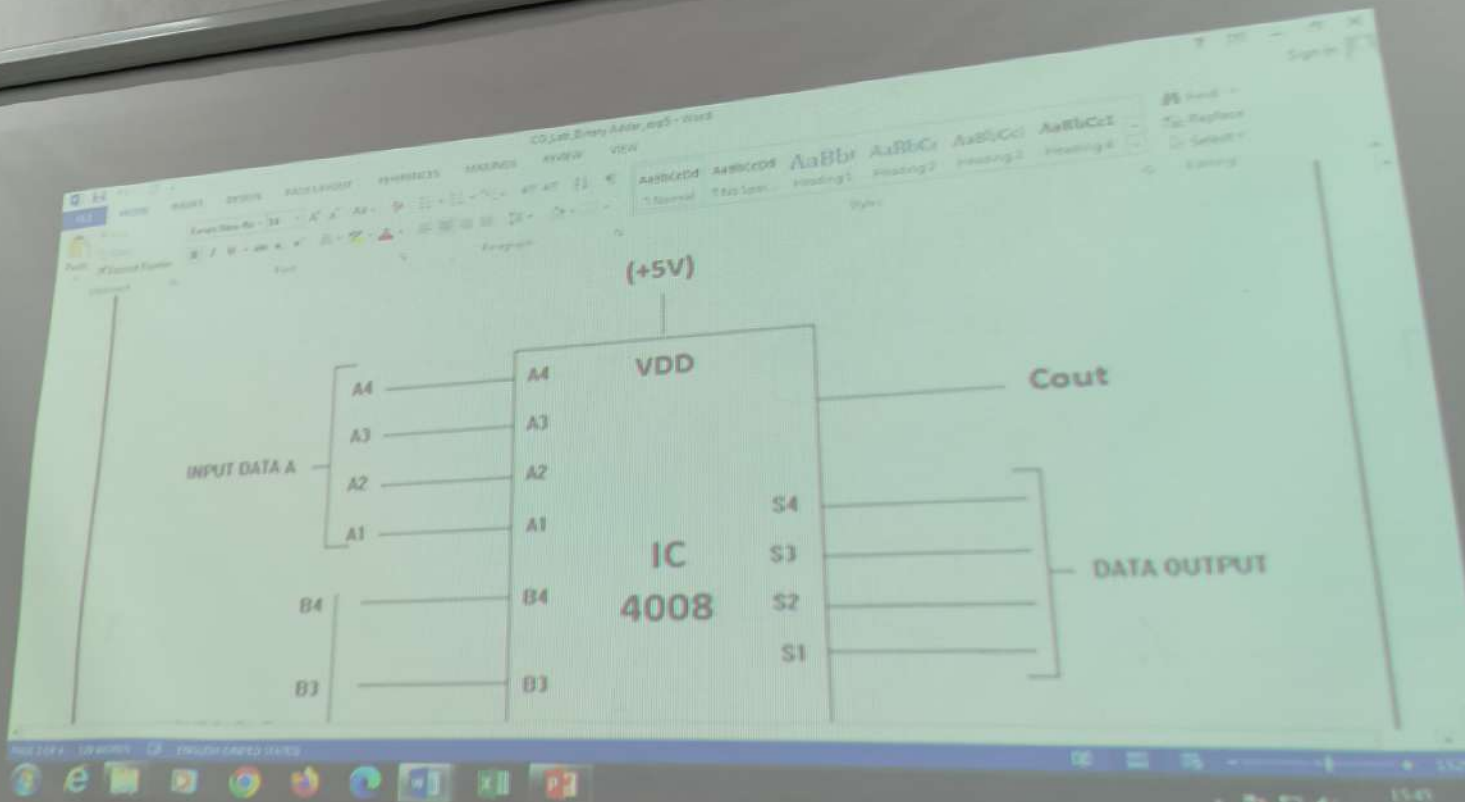
OBJECTIVE: To design of A 4-Bit Parallel Binary Adder Circuit Using The IC-Chip 4008.

THEORY:

The 4-bit parallel adder circuit performs the operation of addition. It has two 4-bit inputs $A_4A_3A_2A_1$ and $B_4B_3B_2B_1$. The IC - 4008 is a 4-bit full adder that takes two 4-bit binary numbers. Adders are part of the arithmetic and logic unit (ALU).

INPUT DATA A





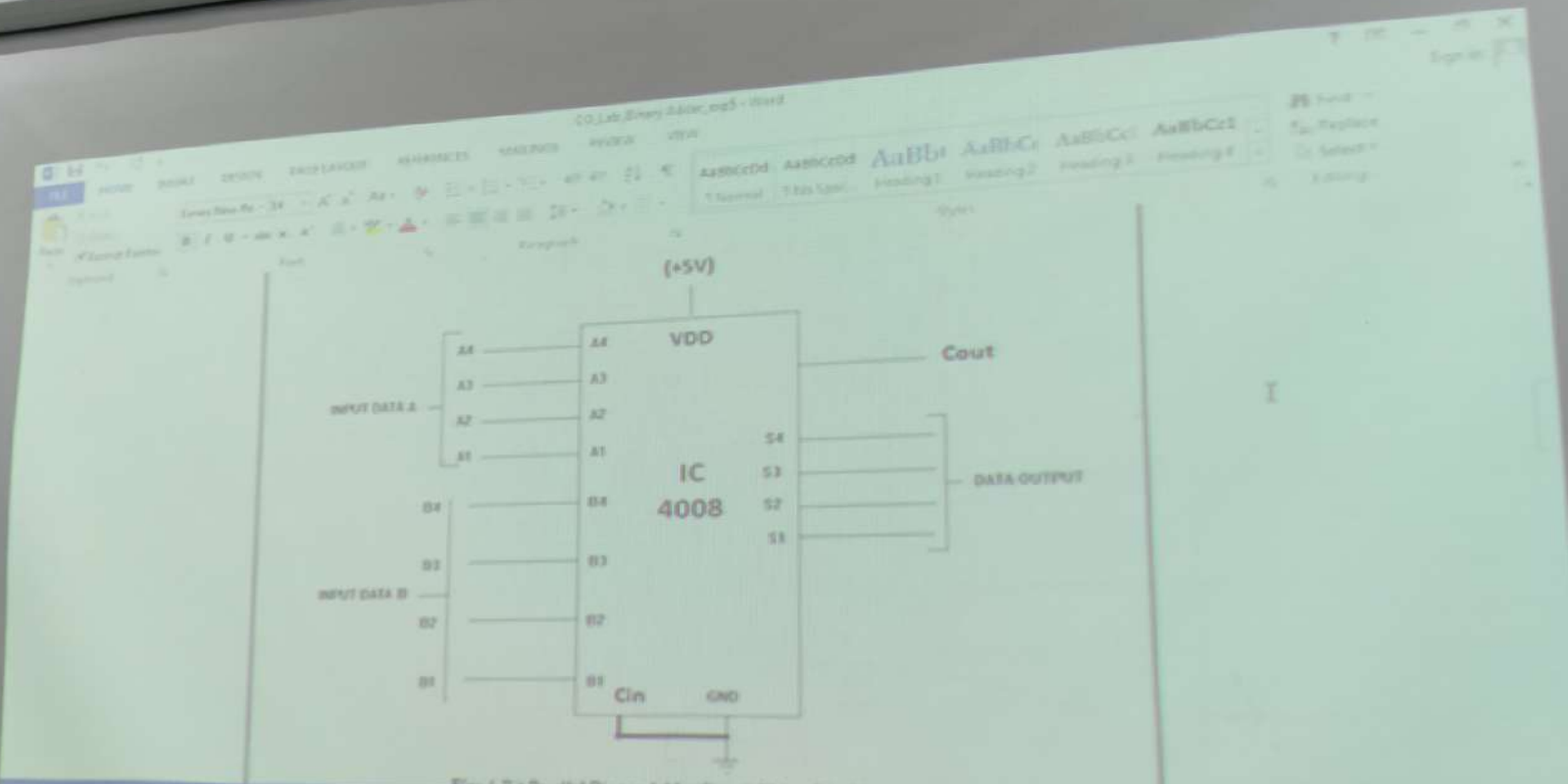


Fig. 1.24 Circuit Diagram of IC 4008

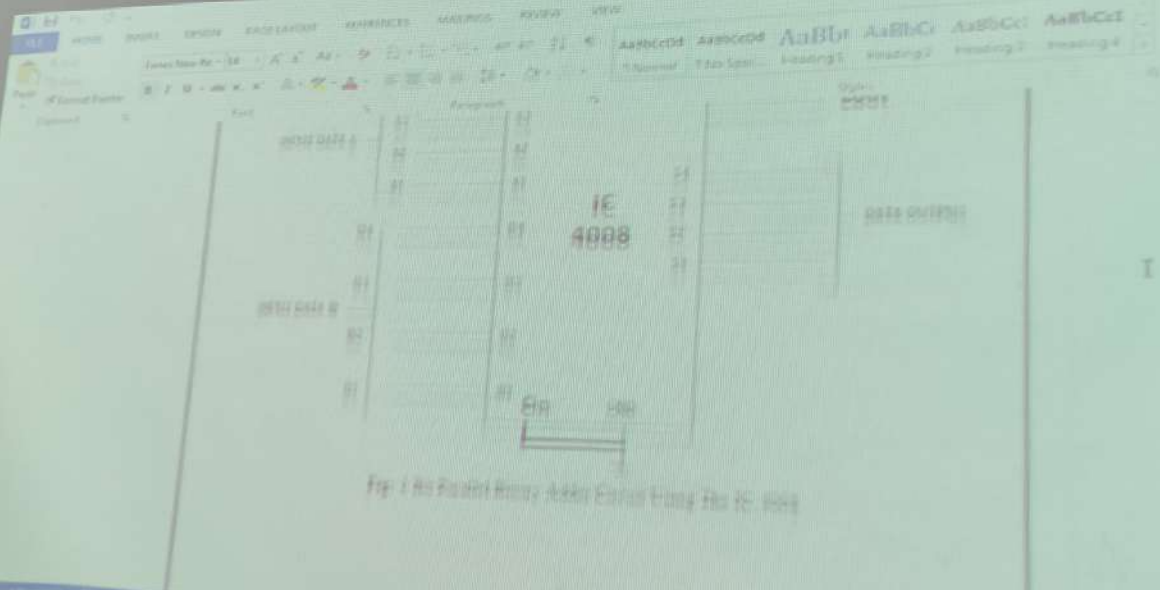


Fig. 1.80 Pinout of 8088 microprocessor

CO Lab Binary Adder, exp5 - word

REVIEW VIEW

AaBbCcDd AaBbCcDd AaBbCcDd AaBbCcDd AaBbCcDd AaBbCcDd AaBbCcDd AaBbCcDd

Normal Bold Italic Underline Paragraph Font Color Background Color

19

Fig: Pin diagram of 4 bit binary Full adder IC-4008

INSTRUMENT & COMPONENT REQUIREMENT

Sl. No.	Item	Specification	Qty.

