الكلية التقنية الهندسية /نجف
هندسة تقنيات الليزر والالكترونيات البصرية

مختبر معالج دقيق
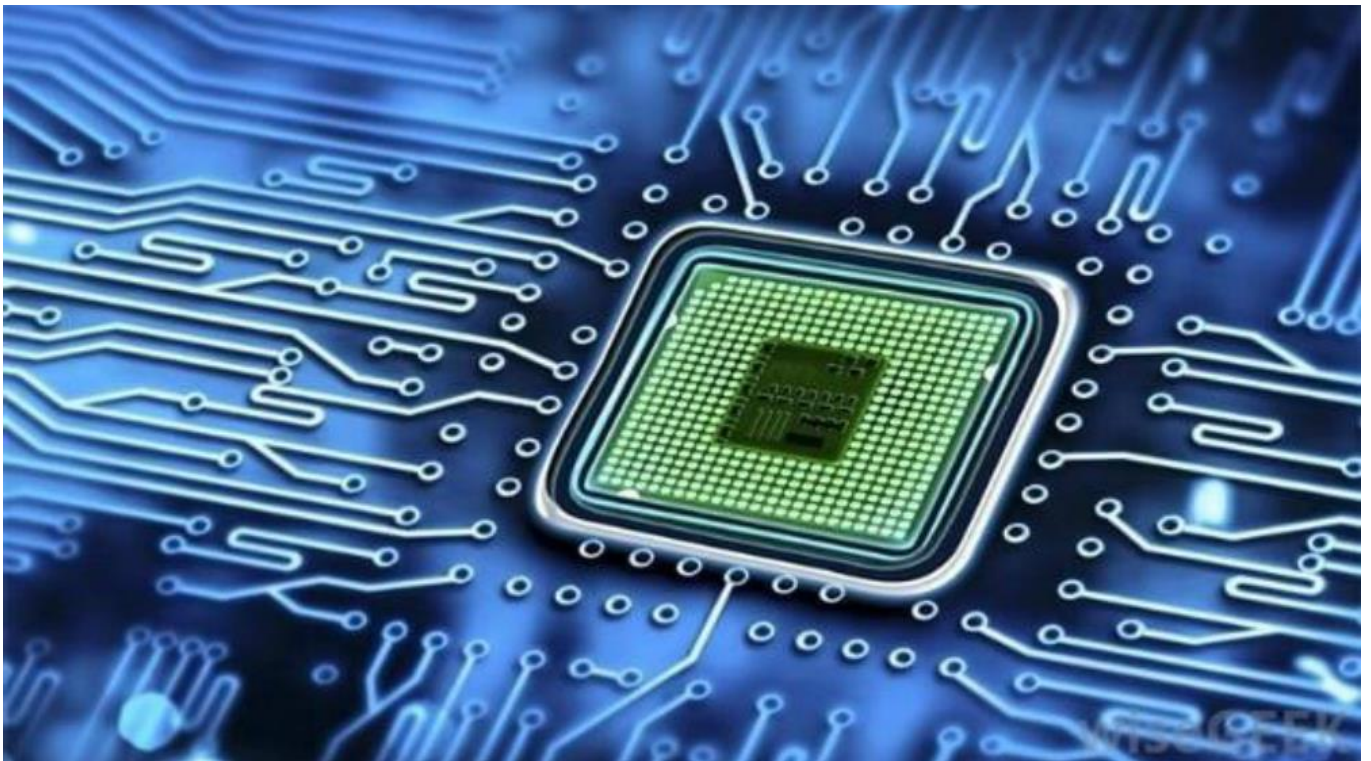
Exp. No: 6

Exp. Name: Arithmetic group

Experiment No.:- 6

Experiment Name: Arithmetic group.

AIM: addition two number (16- bit).

Theory:

    Addition - Any 16-bit number, or the contents of a register or the contents of a memory location can be added to the contents of the accumulator and the sum is stored in the accumulator. The content of the registers can't be added directly (e.g., the contents of register B cannot be added directly to the contents of the register C).we can't added tow 16-bit immediately we need to split the number in to two parts (8-bit number) to be added, except one instruction (DAD) that deal with register pairs so we can used it to add two (16-bit number) directly (only HL + DE register pairs).

Discussion: