

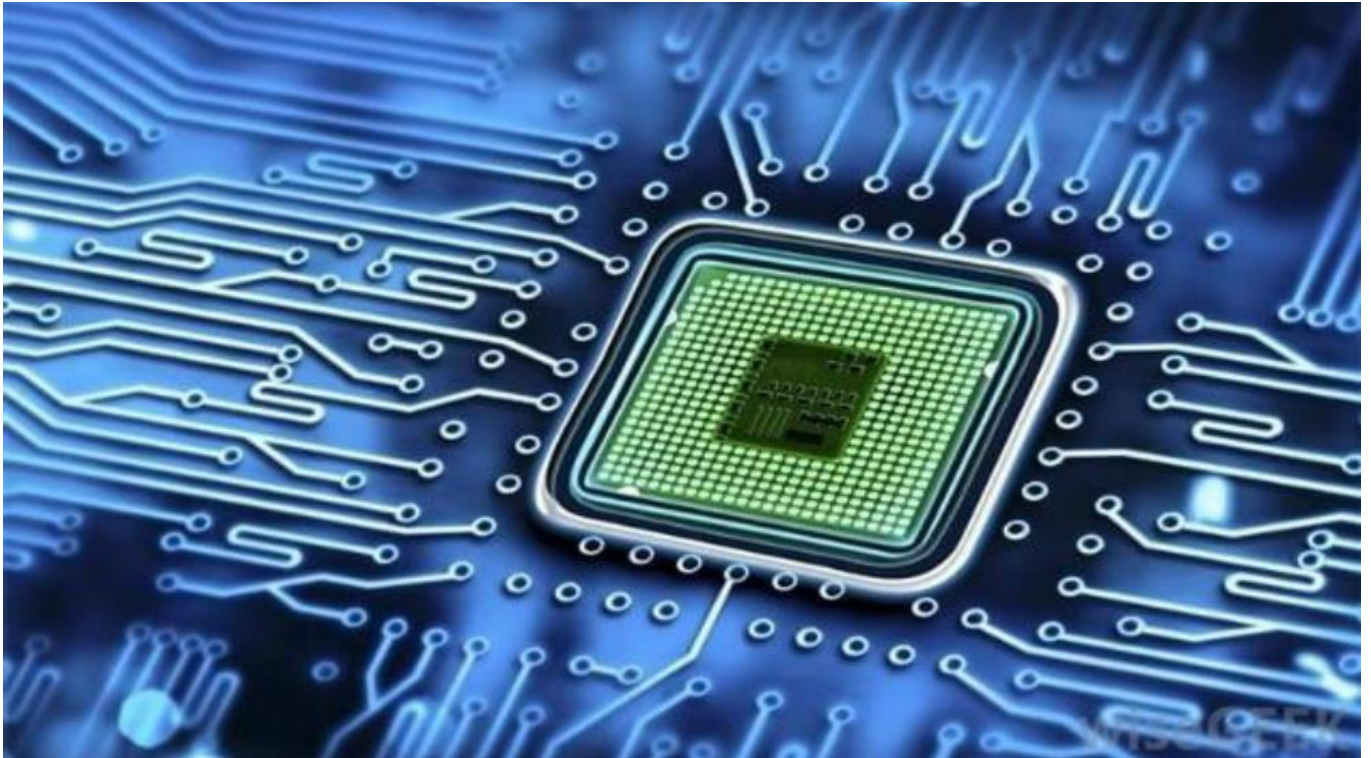


جامعة الفرات الاوسط التقنية

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الكلية التقنية الهندسية /نجف
هندسة تقنيات الليزر والالكترونيات البصرية

مختبر معالج دقيق



Exp. No: 8

Exp. Name: Logic group

Experiment No.:- 8

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AIM: Mack logic instruction on two number (AND,OR,XOR and CMP...) .

Theory:

AND, OR Exclusive-OR - Any 8-bit number, or the contents of a register, or of a memory location can be logically ANDed, Ored, or Exclusive-ORed with the contents of the accumulator. The results are stored in the accumulator.

Rotate- Each bit in the accumulator can be shifted either left or right to the next position.

Complement - The contents of the accumulator can complemented. All 0s are replaced by 1s and all 1s are replaced by 0s

Compare- Any 8-bit number, or the contents of a register, or a memory location can be compared for equality, greater than, or less than, with the contents of the accumulator .

Discussion: