



University of Mosul  
College of engineering  
Mechanical department

# Conditioning And Refrigeration laboratory

## **Laboratory Aims:**

The laboratory's work is summarized in conducting experiments on the subject of air conditioning and refrigeration for fourth-year students and project and postgraduate students.

## **Apparatus:**

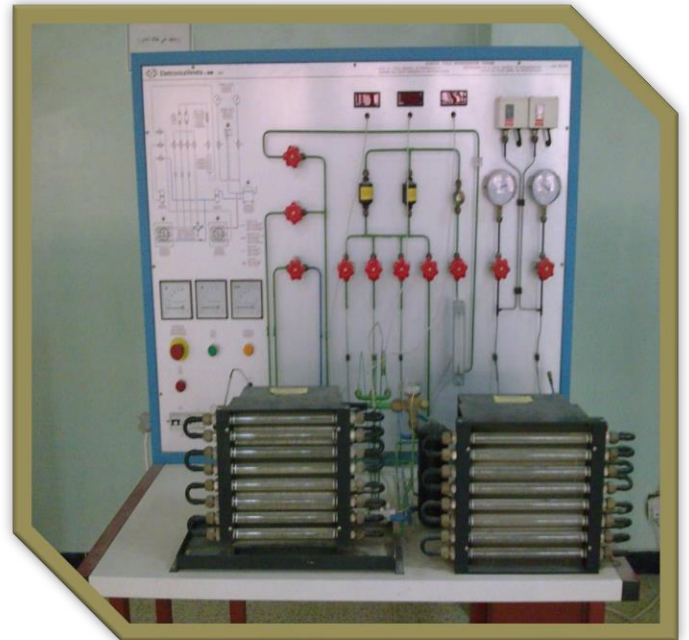
- 1-General cycle refrigeration trainer
- 2-Electrical refrigerator training
- 3-Air conditioning study unit
- 4-Heat pump study unit
- 5-Computerized air conditioning trainer
- 6-Refrigeration plant fault simulator
- 7- Refrigerator & heat pump apparatus

## **Experiments:**

- 1-Air conditioning process

## 2-Electrical refrigerator

## 3- Experimental of by-pass factor (I) and (II)



## Lab workers staff:

No.	name	Functional tasks	Certificate
.1	Dr.Omer M.Hamdoon	Laboratory Supervisor	Ph.D. in Mechanical Engineering
.2	Asaad Shaker Mahmood	in charge of the laboratory	Mechanical Engineer
.3	Dr.Omer S. Thanoon	4 <sup>th</sup> grade Experiments	Ph.D. in Mechanical Engineering
.4	Yaser S.Mahmood	2 <sup>nd</sup> grade	Msc. in Mechanical Engineering

.5	<b>Ziyad M. Majeed</b>	Postgraduate Research Supervisor	M.Sc. in Mechanical Engineering
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