

Ministry of Higher Education and Scientific Research



Northern Technical University

Kirkuk Technical Institute

Department of Power Mechanics

Refrigeration and Air Conditioning Branch



List of student projects for the academic year 2024-2025

Supervisor Name	Number of Students	Project Name	
Mohammed Sabah Hassan	5	Performance of single-glass flat-panel solar collectors	1
Mohammed Sabah Hassan	4	Performance of single-glass flat-panel solar collectors	2
Soran Jalal Mohammed	9	Studying the effect of wire-fin condenser on the performance of the compression refrigeration cycle	3
Maha Hassan Ghafour	4	Studying the effect of the condenser condensing medium on the performance of the compression refrigeration cycle	4
Mahmoud Hussein Khalil	5	Effect of glass reflectors on the performance of a solar thermal collector	5
Maral Mahmoud Hussein	3	Evaluation of heat exchanger performance by varying the salinity of the water used as a medium in the system	6
Maral Mahmoud Hussein	3	Using concave-shaped reflective mirrors for heating	7
Maral Mahmoud Hussein	4	Analysis of thermal insulation performance	8
Khaled Yahya Shimer	6	Manufacturing a training refrigeration and air conditioning unit	9
Khaled Yahya Shimer	5	Calculating the capacity and energy efficiency ratio of a training refrigeration and air conditioning unit	10