

Northern Technical University Technical Institute/Mosul Department of Electrical **Technologies**



" Graduation Projects"

The Aim of the Project	Project Name	Supervisors' names	No.
Designing boards for the digital electronics lab, training students, and preparing them according to their curriculum.	Digital Electronic Lab Board	د.احمد عطية علو + هند يونس	.1
Executing experiments on the electrical power system and protection material on this board	Manufacturing a laboratory board for the electrical power system and protection laboratory	شذى يوسف اسماعيل	.2
Developing the student's abilities to complete projects that contribute to entering the labor market	Poultry hatchery	داؤد سالم محد	.3
Using the solar tracker to track the sun's rays in order to achieve the best angle of incidence on the surface of the solar panels	Solar cell tracking system using the Arduino system	انعام محد جبر	.4
Preparing boards for the electrical circuit lab on which all practical experiments are carried out. Training students on laboratory board manufacturing and encouraging teamwork.	Laboratory board manufacturing	زوزان سعدالله حسين+ سناء سعيد	.5
Manufacturing a board for first-stage students to conduct electronic circuit experiments.	Manufacture of a laboratory board for the circuit lab.	زينة طارق عبد الرحمن+ زهراء مجد سعيد	.6
Controlling the temperature, humidity level, and jaundice in the baby incubator using Arduino	Controlling the temperature, humidity level, and jaundice in the baby incubator using Arduino	فراس سعدالدين احمد	.7
The goal of the project is to control the doors with cards, which are widely used in hotels	Control the opening and closing of a door using ultrasonic identification technology RFDI	ليث عبدالجبار حمدي	.8
Enabling students to design a circuit for generating various voltage values for both AC and DC systems, as well as utilizing voltage regulators commonly used in power supply circuits. Additionally, I taught students to design and implement	A Laboratory board to provide DC and AC voltage for different values	ابراهیم احمد مجد	.9

the control mechanism for power switches with isolation circuits. Furthermore, this project adds value to the power electronics lab, allowing us to conduct a variety of laboratory experiments for students.			
Providing the Networks Laboratory in the Department of Electrical Technology with multi-reading practical measuring devices for the benefit of the public	A digital meter for reading voltage, current, and power	كرم سمير قاسم	.10
Designing a autonomous robot car for navigating and detecting obstacles that impede its movement, especially in acute angles relative to its direction of motion	Designing autonomous robot car to deal with acute angle using Arduino and ultrasound sensors	محد بشار صدیق	.11
Design an integrated cleaning system for solar cells	Solar cell self-cleaning system	اسراء خلوق سعيد	.12
Learn about modern electrical techniques	The smart door using the Arduino	صفاء عبدالجبار	.13
benefit from linking electrical circuits laboratory experiments and adding boards to a laboratory that was in dire need of educational boards.	Educational board for electrical circuits laboratory experiments.	وفاء فاضل عبدالواحد	.14
Teach the student how to connect measuring devices	Manufacture of multi-reading measuring devices	مجد مال الله فتحي	.15
A graduation project for students in the second stage training them to work on this project from a practical and theoretical perspective	Manufacturing a laboratory board	منال مال الله فتحي	.16
Completing the electrical installation board to develop the practical curriculum for the first stage in accordance with market requirements	Educational board for electrical installations laboratory experiment	سناء سعيد داؤد	.17