

Graduation Projects For Students Of The Department Of Electrical Engineering For The Year 2024-2025 (Fall Semester)

No.	The Name Of The Supervising Teacher	Student's Name	Project Name
1	Dr. Ahmed Nasser Bahjat Alsammak	Zuhair Ali Hassan Abdullah Badawi Ghatheeth Taha Rabie Taha	Electrical Power system voltage stability assessment after adding solar photovoltaic system
2	Dr. Yasser Muhammad Yunus	Ali Bashir Hassan Baqir Mahdi Ismail Abdulqader Khalaf Hassan	Programmable Electronic Loads
3	Dr. Yasser Muhammad Yunus	Ahmed Abdullah Fahedi Aya Abdel Hamid Abdel Majeed Mustafa Mohamed Ali	Smart Battery Management System
4	Dr. Mohammed Obaid Mustafa	Abdulrahman Khader Mohammed Omar Ahmed Abdelkader Riyam Omar Ahmed	Modeling and analysis of three phase induction motor at different loads
5	Dr. Mohammed Obaid Mustafa	Abdullah Jamal Muhammad Salih Othman Talal Nayef Zakaria Safwan Taha	Design of a control device for automatic sorting and isolation of plastic, glass bottles and metal cans
6	Dr. Dawood Najem Saleh Al Jubouri	Yasser Hossam Taha Mohamed Youssef Muthanna Abdul-Jabbar	Cathodic Protection of Steel in Reinforced Concrete
7	Dr. Farhad Ezzulddin Mahmood Ahmed	Salah Ahmed Abdullah Anwar Qais Anwar Abdulrahman Saleh Mahmoud	Anti-theft Protection System Using RFID
8	Dr. Mohammed Natiq Abdul kadir Al-Erhayim + Sura Mohammad Adil Khaleel Alhayaly	Ibrahim Othman Youssef Ammar Mohamed Sheet	Evaluation of RF EMF Radiation Levels at Selected Locations on the University of Mosul Campus in Comparison to International Standards
9	Dr. Mohammed Natiq Abdul kadir Al-Erhayim + Sura Mohammad Adil Khaleel Alhayaly	Muhammad Qidar Ahmad Younis Alaa Diaa El-Din	Measurement of LF EMF Exposure in Selected Buildings on the University of Mosul Campus and Comparison with Safe Exposure Levels
10	Dr. Shamil Hamzah Hussein Al-Najjar	Yousef Abdullah Khadir Fadel Abbas Fadel	Design of Cockcroft–Walton voltage multiplier circuit based on Schottky diodes

		Osama Diao El-Din Rady	for power conversion applications
11	Dr. Omar Muwafaq Mahmood Husein Al- Yousif	Abdullah Majed Saadallah Mustafa Ismail Hamed Saba Mohammed Fadel	Power flow study and contingency analysis of IEEE 9 Bus test system using ETAP
12	Dr. Saad Enad Mohammed Al Jaboori	Zubaida Harith Faisal Ali Muhammad Mahmoud Abdulrahman Muhammad Ibrahim	design and implementation of speed controsysteml of DC motor using Microprocessor
13	Omar Turath Tawfeeq Yahya Agha	Mohammed Sael Mohammed Saeed Saif Salah Khazal Abdul Karim Thamer Abdul Karim	Study of spwm buck converter fed d.c motor
14	Dr. Shaker Mahmood Khuder Al-Hayani	Sufyan Mahmoud Muhammad Yasser Taha Abdel Aziz	economic operation of power system
15	Dr. Hasan Adnan Mohammed Al Khalifa	Mohammed Al-Amin Hassan Ali Mustafa Abdel Ali Ashraf Ragheed	Design a fire truck worked by artificial intelligence
16	Fawaz Yassen Abdullah Al-Badrani	Omar Ahmed Ali Anmar Ayad Atta Mohamed Abdel Aziz Hussein	smart Water Management System using Microprocessor
17	Dr. Salwan Samir	Anmar Bassem Korkis Bashar Yaqoub Yousef	design consideration for solar auxiliary power station at the central library at university of mosul
18	Dr. Azam Adnan Mohammed Ali	Zeina Haji Majo Ghosak Taghlib Tariq Mustafa Saddam Hussein	Study and design of induction heater
19	Dr. Hiba Nadhim Ameen Al-Kaoaz	Mizer Abdullah Askar Fawaz Abdullah Hamed Fahd Sabah	Utilizing an Microprocessor to track the movement of the sun for a solar panel
20	Dr. Huda Aqeel Ahmed Al-Tayyar	Virgo Akram Ola is right Nour Abdul Rahman	Developing an independent solar energy system to operate medical devices
21	Noor Thamer Mohammed Fadel Marei Almalah	Mustafa Kamal Salah Khalil Ibrahim Khalil	Design of the Soner (Radar) Device Using Microprocessor

22	Ali Ghanem Saber Al-Anaz	Nour Salah Ibrahim Hanan Evan Ibrahim Ibrahim Othman Mahmoud	Study of the effect of the isolation constant of the chip antennas in the fifth generation
23	Raghad Adeeb Othman	Abeer Jamal Daham Mahmoud Ali's companions Mustafa Ismail Saeed	Improving the Power Quality Using Photovoltaic Inverter
24	Amina Abd almunam Fadhil	Hasnaa Ali Mohammed Alaa Mohammed Saleh	Monitoring motion sensors in smart home automation systems based on LoRa technology
25	Marwan Hussein Mohammed	Saleh Hashem Mohammed Ali Ryan Abdullah Fathi	Capacitive and Inductive Power Transfer Technologies: Comparative Study on Efficiency, Safety, and Application Suitability
26	Marwan Hussein Mohammed	Rayan Abdullah Ahmed Luqman Muhammad Saleh Ahmed	Modeling and Simulation of a DoubleSided LCLC-Compensated Capacitive Power Transfer System for low power Applications
27	Abdulhakeem Nabeel Yahya	Abdulmalik Ammar Abdulmalik Ahmed Abdulhadi Abduljabbar Mohammed Khaled Talab	Design, Simulation, and Practical Comparison of Solar Power Systems using PVsyst and pvsol
28	Ali Hadi Saeed	Mahmoud Saad Taha Abdulrahman Wafer Abdulmajoud Ihab Basil Abdulrazzaq	Modeling Wifi channels network
29	Bilal Aqeel Fathe	Azar Fayez Muhammad Ali Hatim Khalif Ahmad Jafar Sadiq Mohsen	design of an intelligent electronic system for poultry farm management

**Graduation projects for students of the Electrical Engineering
Department for the year 2024-2025 (spring semester)**

NO.	The Name Of The Supervising Teacher	Student's Name	Branch	Project Name
1	Dr. Ahmed Nasser Bahjat Alsammak	Zuhair Ali Hassan Abdullah Badawi Taha Rabie Taha	P P P	Effect of adding Generation unit on the weak bus of the Electrical power system (Part two)
2	Dr. Yasser Muhammad Yunus	Ahmed Abdullah Aya Abdel Hamid Mustafa Mohamed	P P P	Active Battery Management System
3	Dr. Yasser Muhammad Yunus	Ali Bashir Hassan Baqir Mahdi Abdulqader Khalaf	P P P	Design and Implementation of programmable Electronic Loads for Laboratory Applications
4	Dr. Mohammed Obaid Mustafa	Abdulrahman Khader Omar Ahmed Riyam Omar Ahmed	P P P	Mathematical Modeling and analysis of three phase induction motor at different loads
5	Dr. Mohammed Obaid Mustafa	Abdullah Jamal Othman Talal Nayef Zakaria Safwan Taha	E E E	Implementation and Design of a control device for automatic sorting and isolation of plastic, glass bottles and metal cans
6	Dr. Dawood Najem Saleh Al Jubouri	Yasser Hossam Taha Mohamed Youssef Muthanna Abdul-	P P P	Design and Evaluation of Earthing Systems Using Excel-Based Tools for Low-Voltage Installations.
7	Dr. Farhad Ezzulddin Mahmood Ahmed	Salah Ahmed Anwar Qais Anwar Abdulrahman Saleh	E E E	Implementation of anti-theft system using RFID
8	Dr. Mohammed Natiq Abdul kadir Al-Erhayim + Sura Mohammad Adil Khaleel Alhayaly	Muhammad Qidar Ahmad Younis Alaa Diaa El-Din	P P P	Measurement of LF EMF exposure in selected building at the university of Mosul campus in comparison to safe levels
9	Dr. Mohammed Natiq Abdul kadir Al-Erhayim + Sura Mohammad Adil Khaleel Alhayaly	Ibrahim Othman	E	Measurement of RF radiation level on selected locations of university of Mosul campus and compare it to international standards
10	Dr. Shamil Hamzah Hussein Al-Najjar	Yousef Abdullah Fadel Abbas Fadel Osama Diaa El-Din	E E E	Design of a compact antenna for Energy Harvesting applications
11	Dr. Omar Muwafaq Mahmood Husein Al-Yousif	Abdullah Majed Mustafa Ismail Saba Mohammed	P P P	Power flow study and contingency analysis (N2) of IEEE-gpus test system using ETAP

12	Dr. Saad Enad Mohammed Al Jaboori	Zubaida Harith Faisal Ali Muhammad Abdulrahman Muhammad Ibrahim	E E P	design and implementation of speed control system of DC motor using Microcontroller (part 2)
13	Omar Turath Tawfeeq Yahya Agha	Mohammed Sael Mohammed Saeed Saif Salah Khazal Abdul Karim Thamer Abdul Karim	P P P	Speed Control of DC Motor using Buck Converter
14	Dr. Shaker Mahmood Khuder Al-Hayani	Sufyan Mahmoud Muhammad Yasser Taha Abdel Aziz	P P	Three phase Transformer Fault Analysis and protection by MATLAB Simulink
15	Dr. Hasan Adnan Mohammed Al Khalifa	Mohammed Al-Amin Hassan Ali Mustafa Abdel Ali Ashraf Ragheed	E P E	Design a mobile controlled fire truck
16	Fawaz Yassen Abdullah Al-Badrani	Omar Ahmed Ali Anmar Ayad Atta Mohamed Abdel Aziz Hussein	E E E	Design and implementation of smart water management system using microcontroller
17	Dr. Salwan Samir	Anmar Bassem Korkis Bashar Yaqoub Yousef	P P E	Consideration Aspects of interfacing PV power to the Grid Utility
18	Dr. Azam Adnan Mohammed Ali	Zeina Haji Majo Ghosak Taghlib Tariq Mustafa Saddam Hussein	P P P	implementation of an induction heater
19	Dr. Hiba Nadhim Ameen Al-Kaoaz	Mizer Abdullah Askar Fawaz Abdullah Fahd Sabah	E P P	Utilizing a motion sensor to switch off solar panel for load shedding
20	Dr. Huda Aqeel Ahmed Al-Tayyar	Virgo Akram Ola is right Nour Abdul Rahman	P P P	Design and Analysis of Integrated Solar Energy System to a 100KW load in Remote Rural Area
21	Noor Thamer Mohammed Fadel Marei Almalah	Mustafa Kamal Salah Khalil Ibrahim Khalil	E E	Design and Implementation of an Ultrasonic System to Measure Object Velocity
22	Ali Ghanem Saber Al-Anaz	Nour Salah Ibrahim Hanan Evan Ibrahim Ibrahim Othman Mahmoud	E E	Effect of high dielectric constant on 5G antennas

23	Raghad Adeeb Othman	Abeer Jamal Daham Mahmoud Ali's companions Mustafa Ismail Saeed	P P P	Power management of PV- Battery system
24	Amina Abd almunam Fadhil	Hasnaa Ali Mohammed Alaa Mohammed Saleh	E E	Monitoring and analyzing motion sensors for energy management of LoRa-based smart home systems
25	Marwan Abdulkhaleq Thaoun Al-Yoonus	Saleh Hashem Mohammed Ali Ryan Abdullah Fathi	P P	Electrical loads operation monitoring based on IoT technology
26	Abdulhakeem Nabeel Yahya	Abdulmalik Ammar Ahmed Abdulhadi Mohammed Khaled	P P P	Analysis and simulation of the Impact of shadows on solar Energy systems using PVsyst
	Ali Hadi Saeed	Mahmoud Saad Taha Abdulrahman Wafer Abdulmajoud Ihab Basil Abdulrazzaq	E E E	Evaluation of empirical models of Wi- Fi networks channels
	Bilal Aqeel Fathe	Azar Fayez Muhammad Ali Hatim Khalif Ahmad Jafar Sadiq Mohsen	P P P	Design of electric circuit for controlling and monitoring in poultry farm
	Dr. Wael Hashem Hamdon Al- Hassoon	Ryan Abdullah Fathi	P	Choosing the optimum performance of a single-phase induction motor
	Dr. Hiba Nadhim Ameen Al- Kaoaz	Aswan Ismail Khaled	P	Design of an auto-injection for medical applications
	Dr. Yousif Mohammed Younis Al- Younis	Mohammed Abdel Hadi	P	Effect of series capacitor on the performance of short and medium Transmission Lines