

**Graduation projects for the Energy Department for the academic year 2020-2021**

Student name	Project name	Leactures name	no
Isra Yunus	Solar cooker	Prof. Dr. Aasam Ahmed Issa	1
Yassin Jassim	Blue energy		
Safaa Fathi	Solar pools and heaters		
Mahmoud Ali	Advantages of using metalloids in cells	Prof. Alaa Ismail Ayoub	2
Nour Farid	Advantages of using unsaturated polymers in solar cells		
Hana Mahmoud	Solar heating	M.SC. Bashir Khalil Ahmed Hassan	3
Ahmed Musab	Solar bag		
Hussein Essam	Converting asphalt for use in producing heat insulating materials	Prof. Dr. Lubna Abdel Aziz Saleh	4
Amna Ammar	Rationalizing energy consumption by producing heat insulating materials from renewable sources		
Abeer Yunus	Soap making using burning oils	Prof. Dr. Lamia Adnan Sersam	5
Harith Dhiab	Using drinking water to generate energy		
Ahmed Saleh Ahmed	Manufacture of biodiesel from table oil		
Laith Hilal	A theoretical study of the element thorium and its relationship to renewable energy	M.SC. Thanaa Yaqoub Youssef	6
Fatima Raad	A theoretical study of the element plutonium and its relationship to renewable energy		
Nasser salam	A theoretical study of the element ruthenium and its relationship to renewable energy		



Safaa Fahd	A system for tracking sunlight	Dr. Hazem Saleh Ahmed	7
Mohammed Faisal	A study of systems for converting heat into electrical energy		
Mahmoud alaa	Producing electrical energy from waste recycling	Dr. Saad Fadel Mahmoud	8
Marwa Abdul Karim	Energy production using agricultural waste		
Mustafa Mahmoud	Design, manufacture and performance testing of solar water heater	Dr. Ghada Ghanim younis	9
Ansam Walid	Design and manufacture of solar cooker		
Heba Walid	Manufacturing a solar oven and determining the locations of the solar collectors to obtain the best performance of the oven	Dr. Hamid Abdullah Saleh	10
Nada Ahmed	Different ways to convert sawdust into materials of economic value		
Abdul Rahman Mohsen	Producing biogas from waste and measuring its properties		
Farouk Jassim	The effect of weather factors on the operation of hydropower stations	Dr. Maad Salem Younis	11
Barahr Zakir	Nanotechnology applications and how to use them in laboratories		
Nora Akram Bilal	Photovoltaic effect and electric power generation	Dr. Ibtisam Yahya Abdullah	12
Khaled Ahmed Younis	Nanotechnology and its application in the field of renewable energy		
Noor alhuda ali	Electromagnetic induction and electrical energy production		



Hind Abdel Wahab	Solar irrigation system	Dr. Mohammed Mahmood younis	13
Muhammad Hossam El -Din	Parabolic trough		
Zine El Abidine Ali Abbas	Carnot Cycle		
Muhammad Rafeh	Nano solar cells	M.SC. zahraa badiaa Ibrahim	14
Youssef Louay	Wind energy		
Ahmed Abdel Wahab	Studying the effect of the solar cell connection pattern on the generated power	M.SC. Rana Hisham Mahmoud	15
ahwod Salem	X-ray and scanning electron microscope		
Omar Faisal	Simulation of a solar energy system with a fuel cell for a hybrid energy system application	M.SC. Nagham Salem Muhammad	16
Aws Tariq	Using activated carbon to store gases	M.SC. Duaa Hassan Yahya	17
Mahmoud Youssef	Green chemistry and some of its techniques in synthesis of compounds	M.SC. Zainab waleed majid	18
Reem Saleh	Generating electrical energy from solar energy	M.SC. Mustafa Hussein Ibrahim	19
Louay Ahmed	Sensor system		