

Graduation projects for the Department of New and Renewable Energy for the academic year 2024-2025

Graduation project name	Student's name	Supervisor's name	T
system designHybrid	Mustafa Muammar Farouk	Asst. Prof. Dr. Ahmed Mounir Suhail Najm Al-Abidi	1
	Alaa Ammar Taha		
perskite cells	Saad Raad Awad	Prof. Dr. Alaa Ismail Ayoub	2
Uses of solar energy in seawater desalination	Mustafa Tahseen Abbas		
Physical properties of green incinerator	Muhammad Muhammad *Mahmoud	A.M.D. Mohammed Mahmoud Younis Al-Naimi	3
energy storage	Maryam Rafeh Mohammed	Asst . Prof. Dr. Asim Ahmed Issa Al-Abdeli	
solar cooker	Congratulations to Moatasem Khattab		

solar radiation	Fatima Ahmed Abdel-Eido		
Modifying asphalt specifications to produce sustainable insulating materials	Marwan Abdel Wahab's rule	Asst. Prof. Dr. Lubna Abdel Aziz Saleh	5
Using waste to improve the insulation of locally available paints	Marwa Saeed Atallah	Asst. Prof. Dr. Lamia Adnan Najib Sarsam	6
Using local aluminum and copper foils in the manufacture of solar cells and comparing the efficiency of manufactured solar panels	Muhammad Ali Hussein		
Recycling organic waste into fertilizers and feed	Abdul Hamid Khalouk Abdel Moneim	Asst. Prof. Dr. Hazem Saleh Ahmed Al-Hadidi	7
Equipping a model school in a remote area with off-grid system electricity using solar cells on an	Mortada Rafeh Khader	A.M. Bashir Khalil Ahmed	8
	Israa Taher	A.M. Thanaa Yaqoub	9

Reducing water consumption in agriculture using solar systems	Mohammed	Youssef	
Zirconium and its relationship to renewable energy	Rahma Ali Ahmed		
Design of a thin film deposition system	Moamen Raad Qasim	A.M. Rana Hesham Mahmoud	10
Car tire recycling	Ban Rsho Omar	M.D. Dr. Fadel Mahmoud Jassim	11
Car battery recycling	Vivian Najat Shamwa		
A comparative study of wind turbine types: efficiency, design, and applications in renewable energy .production	Abdul Karim Khamis Khalaf	Dr. Ghada Ghanem Younis Majeed Al-Taie	12
Design and construction of a single-slope solar still	Amani Ali Ghanem		

Green Holocaust	Salah Amhedi Mahmoud	Dr. Hamid Abdullah Saleh	13
Producing writing paper from recycled waste paper	Diaa Salah El-Din Mohamed		
Using magnetic energy to produce clean and free electrical energy	Naba Yaqzan Yahya	Dr. Ibtisama M. Yahya Abdullah	1 4
Exploiting damaged electric motors to generate electricity using wind energy	Maryam Rafeh Jassim		
Electrical power generation using piezoelectric materials	Qutayba Jamal Attia	Dr. Mia'a Salem Younis Dhnoon Al-Hadidi	15
Using piezoelectric energy to charge batteries and store electrical energy	Angel Maan Badr		
The efficiency of using artificial intelligence algorithms	Youssef Zaid Talab	Dr. Zakaria A. Abdul Wahid Hamid	16

to improve solar cell performance			
Solar radiation prediction using machine learning algorithms	Abdullah Imad al-Din Hamid		
Deep learning techniques for fault detection in solar cells in solar energy systems	Youssef Bashir Thabet	Dr. Ng M Salem Mohammed	17
Solar-powered irrigation	Hayes Hussein Ali	Ms. Zahraa Badi Ibrahim Khalil Al-Dabbagh	18
Manufacture of compost from vegetable and fruit waste and peels	Hassan Ali Hussein	M. Duaa Hassan Yahya	19
Making peat moss soil from dry tree leaves	Virgin Asaad Muhammad		
nuclear energy	Abdullah Bashar Khalil	Ms. Zainab Walid Majed	20
ceramic recycling	Ammar Abdul Aziz Farhan		
	Hanin Saleh Mustafa	Ms. Maimouna Khaled	21

Hydrogen energy is the fuel of the future		Qasim	
Gravity battery	Taiba Haider Burhan	M. Mustafa Hussein Ibrahim Mahmoud	22
Green Chemistry and Sustainable Development	Harith Muthanna Duraïd	M.M. Enas Abdel Qader Hassan Tawfiq	23
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