

2022-2023 AUS College of Engineering (CEN) Capstone Projects Competition Winners

Dept	Students Name	Advisor(s)	Project Title	Rank		
ChBE	Fizza Shaheer	Dr. Zarook Shareefdeen and Dr. Ahmed Aidan	Carbon Dioxide Capture Using Algae with Innovative Bioreactor Technology	1		
	Kelly Percival					
	Maria Nassif					
	Rafia Talukder					
	Syed Talha Mukarram	Dr. Amani Al Othman and Dr. Karnail Singh	MXene-based Membranes for High Temperature PEM Fuel Cells	2		
	Asma Mohgoub					
	Bana Al Kurdi					
	Hafsah Khan	Dr. Paul Nancarrow and Dr. Karnail Singh	Process Design and Product Design of Propylammonium Formate as Phase Change Materials for Solar Water Heating Systems	3		
	Rama Selo					
Haya Hammoud						
Nayla Aldoseri						
CVE	Zeina Elshahawi	Dr. Tarig Ali	GIS-Based Road Surface Condition Assessment Using UAV Images and Deep Learning	1		
	Zeina Yasin					
	Nouf Ahmed Alnaqbi					
	Ibrahim Mohamed Alhammadi	Dr. Farid Abed	The use of HSS bars in RC Structures; Design and Experimental Testing	2		
	Alya Ali Alhammadi					
	Rashed Musallam Almarzooqi					
	Abdallah Haitham Rabah					
	Yousef Mo'ath Milhem	Dr. Serter Atabay and Dr. Maruf Mortula	Rubble Mound Breakwater Design Using Rocks and Accropode in Dubai Coast	3		
	Zaid Osama Basalat					
Mohamed Imadeddin Alsaddik						
Lilian Firas Alawar						
Anas Mohamed Saber	Dr. Hicham Hallal and Dr. Assim Sagahyoon	A BCI-VR Based Rehabilitation System for Upper Limb Impairments	1			
Mohamed Sherif Said						
Sara Nezar AL Armouti						
Reem Aldossary						
Salma Hassan						
Reda Mashood						
Alvee Mir						
Pierre Abdelsayed						
Hamad Al Hammadi						
CSE	Hamed Al Mulla	Dr. Hicham Hallal and Dr. Michel Pasquier	Done Based IoT Solution Plant Monitoring in Greenhouses	2		
	Louay Mohaisen					
	Mariam Elsaveh					
	Fatema Elvy	Dr. Abdulrahman Al-Ali and Dr. Raafat Abu-Rukba	IoT Based Black Box for Monitoring Delivery Motorcyclists	3		
	Alaa Helmi Awad Tamer					
	Ameen Ayub					
	Tala Al-Abweh					
	ELE	Yasser Juran	Dr. Nasser Qaddoumi, Dr. Shayok Mukhopadhyay and Dr. Amer Zakaria	Microwave Based Vibration Monitoring Smart Robot	1	
		Zaineh Al Nasser				
Ramzi Al-Sharawi						
Muath Nasser Mohammed		Dr. Mahmoud Ibrahim and Dr. Amer Zakaria	IoT Water Pollution Monitoring System	2		
Mahmoud Omar Hudaib						
Maryam Bin Sulaiman AlMalik		Dr. Mostafa Shaaban and Dr. Mahmoud Ibrahim	Smart Solar Electric Car	3		
Mira Salah Almualla						
Osama Alalawi						
INE		Marwa Saadat	Dr. Zied Bahroun	GE Operation Cost Reduction	1	
	Adel AlOmar					
	Noura Al Ali					
	Omar AlNimer					
	Lara Abdelsamad	Dr. Hussam Alshraideh	Barriers to Primary Healthcare Access in the UAE	2		
	Yusur Al Mnaseer					
	Yaser Akailla					
	Sara Abu Iktish	Dr. Noha Hassan	Artificial Intelligence for Enhanced Drilling Defects Prediction in Manufactured AISIC	3		
	Anas Barakji					
Ava Al Shair						
Mohammad Samha						
Younna Enein	Dr. Mohammad Hamdan	Designing and Manufacturing a Solar-Water Electrolyzer to Reduce Fuel Consumption in Natural Gas Vehicles	1			
Kareem Morsi						
Hadi Babouhoun Kerrouchi						
Murtaza Hasan						
Abdesali Kapadia						
Vishwesh Kumar Maheshwari						
Muhammad Mubeen				Dr. Mohammad Jaradat	Oil Spill Cleaning Autonomous Robot (OSCAR)	2
Shaikha Al Zarroni						
Hassan Sajid						
Ali Younes	Dr. Mohammad Hamdan	Turbocharger Based Turbojet Engine	3			
Majed Wardleh						
Walid Elmeshad						
Motassem Ghanem						