

2020-2021 AUS College of Engineering (CEN) Capstone Projects Competition Winners

Dep.	Student Name	Advisor/s	Project Title	Rank
CHE	Abdallah Al Hajar	Dr. Sameer Al Asheh	Chemical Extraction of Copper from Spent Copper Inserted Collector Bars	1/Tie
	Dana Arjomand			
	Mallak Alhadidy			
	Omid Muhammad Ali			
	Shamma Obaidallah			
	Aya Alashkar	Dr. Rana Sabouni	Removal of Dyes Through Adsorption Using Metal Organic Framework MIL-53 (Al) as a Potential Adsorbent	1/Tie
	Aya Ghawi			
	Mariam Alharmoodi			
	Sarah AlAjmi			
	Zayed Alketbi			
	Dania Assaf	Dr. Amani Al Othman	Seawater Desalination Using Forward Osmosis-Electrodialysis-Reverse Osmosis System	2
	Joon Bum Bae			
	Raniah Al-Maeeni			
	Rasha Darra			
	Urooj Ilyas			
CVE	Yomna Morad	Dr. Serter Atabay	Extending the Design Life of Palm Jumeirah Revetment Considering Climate Change Effects	1
	Samira Dawleh			
	Nour Elhouda Nouar			
	Khaled Elkersh			
	Yousif Kuwatly	Dr. Rami Haweeleh Dr. Jamal Abdalla	Design and Testing of Optimal Geopolymer Mix & Testing Mechanical/Durability of GGBS based Geopolymer Concrete	2
	Abdelrahman Khalil			
	Anas Ayman			
	Baha El Din Mahdi	Dr. Farid Abed	Flexural Behavior of CFST Beams Containing Demolished Concrete Lumps (DCLs)	3
	Salem Khalaf			
	Ahmad El Masri			
	Faisal Alhendi			

CSE	Shahd Abdelmeguid	Dr. Hicham Hallal Dr. Osameh Al-Kofahi	Virtual Reality Gamification of the Digital Systems Laboratory	1
	Iffa Afsa Changaaai Mangalote			
	Ghazzal Jastaniah			
	Seyed Foad Zandavi			
	Ayesha Al Marri	Dr. Tamer Shanableh	Detection of Student Engagement in Online Learning	2
	Maitha Alnaqbi			
	Maya Hiba			
	Natasha Madhu			
	Azadan Bhagwagar	Dr. Imran Zualkernan	Acoustic Wildlife Monitoring of Bats	3
	Priyanka Chand			
	Taslim Mahbub			
ELE	Maitha Alfalasi	Dr. Oualid Hammi Dr. Shayok Mukhopadhyay	Autonomous Guidance System for the Visually Impaired	1
	Khawla Alnuaimi			
	Amna AbdulJalil			
	Mohamad Saeed Alhajjar	Dr. Mahmoud Ibrahim Dr. Amer Zakaria Dr. Taha Landolsi	Radar Based Arabic Sign Language Recognition	2
	Arig Ibrahim			
	Alahmad Aghed			
	Bin Kalban Ahmad			
	Mohamad Kassab	Dr. Shayok Mukhopadhyay Dr. Lotfi Romdhane	Design and Implementation of a Wearable Exoskeleton	3
	Mohammed Kharroub			
	Abdulrazak Alghabra			
	Hosam Elgendy			
	Yahia Dalbah			
INE	Philip Jarouj	Dr. Malick Ndiaye	Effects of the Introduction of the Hyperloop on Existing Supply Chains	1
	Ali Almheiri			
	Anas Azzouz			
	Hassan Sobh			

	Liana Hajeir	Dr. Mahmoud Awad	Condition Monitoring Using Machine Learning	2
	Neveen Barakat			
	Sarah Alattal			
	Zain Hussein			
	Marah Allababidi	Dr. Noha Hussein	Automation in Construction	3
	Raghad Alsaghir			
	Abdulla Alkhatib			
	Yousef Yousef			
MCE	Afnan Saeed Alkhzaimi	Dr. Mohamed Gadalla	Designing and Manufacturing of a Mechanical Ventilator	1
	Maryam Marwan Almuhairi			
	Fatma Omar Aljaberi			
	Ahmed Ibrahim Mansour			
	Fatima Abubakar			
	Mohamad Ahmad Raja	Dr. Mohammad Nazzal	Design and Optimization of Flexure Hinges	2
	Ahmed Tarek Hamada			
	Fadi Mohamed Fawzi			
	Bassem Helmy Omar			
	Beshoy Nady Ghabour	Dr. Mohammad Jaradat	Multi-Purpose Unmanned Aerial Vehicle	3
	Marwan Mohamed Alahmed			
	Laila Yasser Zaki			
	Samer Sarkis			
	Layla Khanfar			

2019-2020 AUS College of Engineering (CEN) Capstone Projects Competition Winners

Dep.	Student Name	Advisor/s	Project Title	Rank
CHE	Dana Kadadou	Dr. Sameer Al Ashed Dr. Ahmad Aidan	Study of Growth Rate of Tetraselmis Striata Microalgae for Biofuel Production	1
	Rawan AbuAlwan			
	Maitha Ahli			
	Youssef ElZnaty			
	Ghadeer Hegab			
	Samira Zeinab	Dr. Rana Sabouni	Removal and Adsorption of Micropollutants from Aqueous Solutions Using MOF as Adsorbent	2
	Katia Faouz			
	Mariyam Siddiqi			
	Salma Hassan Pour			
	Hashem Nasrallah	Dr. Ghaleb Husseinin Dr. Rana Sabouni	Ultrasonic Release of Anticancer Drug from Metal Organic Framework Nanocarriers	3
	Noor Kouli			
	Youssef Kaddoura			
	Jumana Zughayar			
	Dina Allam			
	Abdelrahman Samha			
CSE	Moustafa Tarek Amer	Dr. Abdulrahman Al-Ali	Smart Campus Mobility System	1
	Danayal Amir Khan			
	Shavaiz Ahmad Khan			
	Ahmed Riaz			
	Lana Hasan Alhaj Hussain	Dr. Imran Zulakernan Dr. Salam Dhou	Camera Trap Image Classification Using Deep Learning on Edge Devices	2
	Brylle Ryan Gomez			
	Ali Reza Sajun			
	Dara Yarob Sakhnini			
	Abdulla Mohammad Alshamsi	Dr. Ra'afat Abu-Rukba Dr. Assim Sagahyroon	Remote Monitoring System for Elderly Care Homes in Dubai	3
	Loay Taha Kamel			
	Eisa Abdalla Sajwani			
	Hussain Saiffee Surti			