

## 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	Dr. Abdulrahman Al-Ali	Smart Campus Mobility System	1	
Moustafa Tarek Amer				
Danayal Amir Khan				
Shavaiz Ahmad Khan				
Ahmed Riaz				
CSE	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	Dr. Ra'afat Abu-Rukba Dr. Assim Sagahyoon	Remote Monitoring System for Elderly Care Homes in Dubai	3
	Abdulla Mohammad Alshamsi			
Loay Taha Kamel				
Eisa Abdalla Sajwani				
Hussain Saiffee Surti				

CVE	Mennaallah Raafat Elgharib	Dr. Farid Abed	Strengthening Performance of FRCCM on Reinforced Concrete Columns	1
	Omar Hesham Elrefaey			
	Ibrahim Wasef Abu Laila			
	Mazhd Shaban			
	Maryam Subhi AlGzeary	Dr. Sami tabsh	Utilizing Plastic Drinking Bottles in Reinforced Concrete Slabs	2
	Ahmed Hazem Selim			
	(Mohammad Said) Abuhalmeh			
	Mohamed Nashaat Singer	Dr. Adil Tamimi	Design and Evaluation of Structural Beam using 3D Concrete Printing	3
	Saleh Waleed Alhabili			
	Abderrahmane Tamdi			
Omar Mohamed Mohamed				
Abdullah Osman				
ELE	Aljasmi Abdallah	Dr. Rachid Dhaouadi	Autonomous Flight of a Quadrotor with Wireless Charging	1
	Omar Rashid Almatrooshi	Dr. Shayok		
	Abdul Rahman Yaghmour	Mukhopadhyay Dr. Nasser Qaddoumi		
	Mariam Mohamed Abdullah	Dr. Mohamed Hassan Dr. Taha Landolsi	Dynamic Adaptive Streaming over HTTP (DASH): Improving Quality of Experience (QoE)	2
	Youmna Gamal Kassem			
	Lamees Salah Mohamed			
	Shereen Farhana	Dr. Shayok	Robot Localization using Convolutional Neural Network	3
Asmaa Walid Loulou	Mukhopadhyay Dr. Usman Tariq			
INE	Abdulrahman Al-Bar	Dr. Malick Ndiaye	Smart Retail Shelf	1
	Yomna Galaleldin Elkilany	Dr. Abdulrahman Al-Ali		
	Hind Ali Alsaeed	(CSE)		
	Hawazen Hafez Diab	Dr. Mahmoud Awad Dr. Abdulrahim Shamayleh	Utilization of Machine Learning in Patient Admission into Intensive Care Units	2
	Eman Arafeh			
	Leen Nael Nazzal			
	Moreeda Mousa Nassar			

	Rowaida Mohamed Abdelmaksoud	Dr. Noha Hussein	Smart Manufacturing System	3
	Farah Eyad Shahin			
	Thuraiya Mahmoud Bitar			
	Ameera Ashraf Hamdan			
MCE	ElMehaisi Osman Mehaisi	Dr. Mehdi Ghommem	Energy Harvesting to Power Miniature Sensors	1
	Ahmed Mahmoud Elsergany			
	Ahmed ElSheikh			
	Faiz Basheer			
	Ahmad Abu Sheireh	Dr. Mehdi Ghommem	Portable Hybrid Power System	2
	Abdulrahman Kharoub			
	Parham Dadash Pour			
	Rahul Grover			
	Mohammed Eshbair	Dr. Mohammad Jaradat	Solar Panel Cleaning Sytem	3
	Saif Abdelfattah			
	Khader Alsayegh			
	Ahmed Eldesouky			
	Ahmed Abdelgawad			
Mohamad Kheir Al Nabulsi				