

## 2021-2022 AUS College of Engineering (CEN) Capstone Projects Competition Winners

Dep.	Student Name	Advisor/s	Project Title	Rank
CHE	Taima Alhazaimeh	Dr. Ghaleb Husseini	Folic Acid Conjugated Liposomes to Target Cancer Using Low Frequency Ultrasound Release	1
	Leanne Shahin			
	Aya ElGazar			
	Noor Al Bahnasawi			
	Maram Alkhadar	Dr. Karnail B. Singh	Process Design for the Production of Cumene	2
	Abdirahman Aden			
	Maitha Almansoori			
	Abdulaziz Alhababi			
	Mohammed Usama Alhaj	Dr. Rana Sabouni	Adsorption of Dyes from Textile Industry Waste with ZIF-8	3
	Hamdan Qaderi			
	Mohammad Zaman			
	Hamda Bukhatir			
CVE	Seif Abbas	Dr. Jamal Abdalla Dr. Rami Hawileh	Achieving Concrete Sustainability Through Crumb Rubber and GGBS	1
	Mazen Abdelkhalek			
	Raed Slatch			
	Eyad Shahin	Dr. Adil Tamimi Dr. Bassim Abbas (INE)	Structural Performance of Fiber-Reinforced 3D Printed Concrete	2
	Habibelrahman Hassan			
	Mohamed Khalifa			
	Afreen Fathaq	Dr. Sameh El-Sayegh	Factors Affecting the Bid-or-No Bid Decision in Sustainable Construction Projects	3
	Lulwa AlGhanim			
	Omar Binshakir			
Alsharif Mohammed				
CSE	Adham Abdelnaby	Dr. Imran Zualkernan	DeepLearning for Edge Anomaly Detection in Multimentional IOT Data	1
	Ahmed Elmeligy			
	Nadeen Tarek			
	Nouran Sheta			

	Ashith Farhan	Dr. Ra'afat Abu-Rukba	Multi-Sensor System to predictt Early Signs of Spine Disease	2
	Farooq Mirza			
	Joel D' Souza			
	Sabbir Alam			
	Yasmin Abouhelwo	Dr. Michel Pasquier Dr. Salam Dhou	A Smart Indoor Robot Guide for Visulayy Impaired People	3
	Ali Mohsen			
	Maya Wehbe			
	Motasem Al Jayousi			
ELE	Subhi Jalal Qutob	Dr. Ming Teng	Design and Implement a Portable-Low-Cost Laboratory for Electronics Analysis (Multimeter - Capacitance and Inductance	1
	Ebrahim Abdulla Alahmed			
	Ali Meqdad Alsuwaidi	Dr. Mahmoud Ibrahim Dr. Amer Zakaria	Arabic Sign Language Recognition using Radar Technology	2
	Mohammad Abdulla Alfalasi			
	Abdulrahman Alobeidli			
	Afra Alsalami	Dr. Shayok Mukhopadhyay Dr. Oualid Hammi	Helper BOT	3
	Darin Mashaly			
	Hebah Rabah			
INE	Ali Mahfouz	Dr. Hussam Alshraideh	Assessment of Patients Readmission at MOHAP Healthcare Facilities	1
	Ashba Alketbi			
	Mariam Ghanem			
	Mohamad Al Najar			
	Abdulrahman Al Abadilah			
	Zainab Al-Lami	Dr. Malick Ndiaye	Water Optimization in CEA	2
	Tamara Darayseh			
	Haneen Abdelrhman			
	Salma Alameldin	Dr. Mahmoud Awad	Machine Learning for 3D-Printing Fault Detection & Classification	3
	Mohammed Rabi Aboobacker			
	Rayan Mohamed Ben Daya			
	Almoatsem Bellah EL-Barag			
Abusufiyan Shaikh				
Ghaith Rashid Sharar				

MCE	Yacoub Suleiman	Dr. Mehdi Ghommem	Portable Piezoelectric Flag for Wind Energy Harvesting	<b>1</b>
	Sherif Ismail			
	Mohamad Barakji			
	Naser Taifour			
	Mohamed Hemid			
	Abdulla Almuhairi	Dr. Mamoun Abdel-Hafez Dr. Mohammad Jaradat	Design, Construction, and Testing of a Sewage Inspection Robot	<b>2/Tie</b>
	Ali Raza			
	Mazen Mohammedfaris			
	Fauwad Qureshi			
	Ahsan Zamir	Dr. Mohammad Jaradat	Designing a Mobile Robot that can clean Solar Panels	<b>2/Tie</b>
	Noman Khan			
	Fatma Ahli			
	Mohammad Yasin			
	Layan Almarai			
Mohammad Alhareb				